nJMW1317737425 – Dozier Federal Com 1 (06.16.2013)

- 1. Incident Occurred (Initial C-141 Signed) Page 2
- 2. Soil Assessment and Remediation Work Plan Page 3-36
- Talon Request to OCD to backfill after excavating to 10' Page 37-38
- 4. Photolog of Excavation area Page 39-42
- 5. BLM approval to backfill Page 43-45
- 6. OCD request to collect samples at 11' & 12' but agreed to continue with backfill operations Page 46-49
- 7. Email containing Lab results from 11' & 12' samples, not exceeding regulatory levels Page 50
- 8. Analytical Results (11' & 12') Page 51-55
- 9. Analytical Results from reclamation activities Page 56-62
- 10. Final C-141 (from today, since no evidence was found of final closure report) Page 63

This is all the information I could find after looking through previous employees' emails and after contacting Talon, who did the remediation work. The last communication I have between Cimarex employees and Mike Bratcher was on 12.20.2013 (Page 50).

Reseived by OCD: 2/2/2023 10:14:31 AM

1625 N. French Dr., Hobbs, NM 88240 <u>District III</u> 1301 W. Grand Avenue, Artesia, NM 88210 <u>District III</u>

1000 Rio Brazos Road, Aztec, NM 87410 <u>District IV</u>

1220 S. St. Francis Dr., Santa Fe, NM 87505

Released to Imaging: 10/18/2023 10:15:09 AM

State of New Mexico
Energy Minerals and Natural Resources

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 RECEIVED

Page 2 of 64 Form C-141 Revised October 10, 2003

JUN 18 2013 Submit 2 Copies to appropriate District Office in accordance With Rule 116 on back side of form

Release Notification and Corrective Action

	1317					OPERAT	TOR ·		✓ Initial :	Report		Final Report
Name of Co						Contact- Jar						
Address-60				nd Tx 7970			lo. 575 706 0095	;				
Facility Nat	me-Dozier	Federal Co	om 1			Facility Typ	e- Tank battery					
Surface Ow	ner			Min	eral Owner	· -			Lease No.			
				Τ,	OCATION	OF REI	LEASEAPI	# 30-01	15-10	804		
Unit Letter	Section 14	Township 19S	Range 31E	Feet from	the North/south	South Line	Feet from the	East/We west	est Line (County - E	ddy	
	•		Latitude	- 32.65911	N	Longitud	le 103.8429W					
				_	NATURE	_						
Type of Rele	ase- crude o	oil					Release-235bbls		Volume Rec	covered-20	bbls	
	77.	7: 0				707 FD G F	****					
Was Immedi	ate Notice (_	Yes [No 🔲	Not Required	If YES, To Jim Amos	Whom? (BLM) Mike Brat	tcher (O	CDleft me	ssage)		
Was a Water	course Read	_	☐ Yes 🏻] No		If YES, Vo	lume Impacting the	e Water	course.			
If a Waterco	Tuo	noated Dec								^~		
ii a wateree	urse was mi	pacica, Desi	sitee i uny.	•			(*Plea	ed i	nclude	- HP]		*)
												
Describe Car 6/16/13 P					d oil around	bottom of	tanks. Pumper	called	me and L	notified ⁻	Terry	
Ainsworth	(Cimarex), Jim Amo	os @ BLN	and Mike	e Bratcher @	OCD (Lef	t Message). Co	uld no	t see anv	visible si	gns w	here oil
					unlined cor		J ,		,	,		
icakea oa	t or on tar	ik. Jpili we	is contain	ica msiac		icali ili ilici ic.						
T> "1 4	A CC 1	1.01	A 41 CD	1					···			
Describe Are					hole picked w	n etandina oi	l. Talon to do asses	ecment a	nd work nla	ın		
Atound on t	anks mside	containment	. Empued c	JII talik with	noie, pickeu u	p standing of	i. Taion to do asses	ssilicili a	ilu work pia	.11.		
I hereby cert	ify that the	information	given abov	e is true and	l complete to th	e best of my	knowledge and und	derstand	that nursua	ant to NMC)CD ru	les and
							nd perform correcti					
							arked as "Final Rep					
							on that pose a threa					
federal, state				ptance of a t	C-141 report de	oes not reliev	e the operator of re	esponsib	mity for com	ipiiance wi	ith any	otner
Todorai, State	, or rocar ia	ws and or re	guiutions.				OIL CONS	ERVA	ATION D	IVISIO	N	
Signature:	Iron									4.		
Dignature.	A ceru	161	my			Annroued by	District Cunaryisas		A.A	11. X		
Printed Nam	e. James Ti	nney	/				District Supervisor	Signe	d By Wil	1/4 /	SHE CHI	(1884
Title: Produc	ction Forem	an				JUI Approval Dat	V 2 6 2013	E	xpiration Da	ite:		
E-mail Addr	ess: itinnev	@cimarex.co	om			Conditions of	Approval:					
							CD Rule & Guideli	nes, &	-	Attached	Ш	
Date: 6-17		hone: 575-7					. SUBMIT REMED		<u> </u>			
Attach Add	itional She	ets If Nece	ssarv			PROPOSAL	NO LATER THAN:			2RP_	-16	089
					. \		26,201	13				٠,



October 23, 2013

AMARILLO 92I North Bivins Amarillo. Texas 79107 Phone 806.467.0607 Fax 806.467.0622

Mr. Mike Bratcher

NMOCD District 2

811 S. 1st Street

Artesia, NM 88210

ARTESIA

408 West Texas Ave. Artesia, New Mexico 88210 Phone 575.746.8768 Fax 575.746.8905 Subject: Soil Assessment and Remediation Work Plan

Cimarex Energy Dozier Fed Com No. 1 30-015-10804 2RP-1689

Dear Mr. Bratcher,

HOBBS 318 East Taylor Street

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

Cimarex Energy (Cimarex) 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 290I State Hwy 349 Midland, Texas 79706 Phone 432.522.2133 Fax 432.522.2180

The release was discovered June 16, 2013.

Background Information

OKLAHOMA CITY 7700 North Hudson Avenue Suite IO Oklahoma City, Oklahoma 73116 Phone 405.486.7030 Fax 806.467,0622 The Dozier Fed Com No. 1 is located approximately forty-three (43) miles southeast of Artesia, New Mexico. The legal location for the site is Unit K of Section 14, Township 19S, Range 31E in Eddy County, New Mexico. More specifically the latitude and longitude for the release are 32.65868 North and -103.84212 West.

SAN ANTONIO II 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 Simona and Wink fine sandy loams with 0 to 3 percent slopes. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Holocene to middle Pleistocene in age and is comprised of eolian sands and piedmont deposits. Drainage courses in this area are normally dry. Ground water in the project vicinity is approximately 102-feet below ground surface (bgs), according to the New Mexico Office of the Sate Engineer.

The ranking for this site is 0 Based on the following:

Depth to ground water

>100'

ENVIRONMENTAL CONSULTING

ENGINEERING Well

DRILLING

Wellhead Protection Area

Distance to surface water body

>1000'

CONSTRUCTION
SPILL MANAGEMENT
GENERAL CONTRACTING

>1000'

Toll Free: 866.742.0742 www.talonlpe.com

Incident Description

A lease operator arrived on site to discover oil around the bottom of the tanks. There was no visible signs of where the oil leaked out of the tank. Approximately 235 bbls of crude oil was released and 20 bbls were recovered. The impacted area was contained within the secondary containment berms.

Laboratory Results

June 27, 2013

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	1	2470	96	20800	46400
S-1	2	2660	32	23000	54300
S-1	3	2280	80	23100	51700
S-2	1	4730	32	29200	45000
S-2	2	3930	ND	26600	41400
S-2	3	2270	ND	12500	22200
S-3	0	3.55	128	ND	15.1

August 27, 2013

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
S-1	3.5	1260		6220	13200
S-1	5	1120		9950	16700
S-1	6.5	1190	NAME TO BE AND THE	5520	12600

October 2, 2013

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO
B-1	10	12.7		<50	158
B-1	15	< 0.300		<10	204
B-1	20	3.40		89	2460
B-1	25	11.4		336	5230
B-1	30	4.49		177	5130

(ND) Analyte Not Detected

-- Analyte Not Tested

Proposed Remedial Actions

- The tanks in this battery will be removed and the impacted area within the battery will be excavated to a depth of 7-foot deep.
- The excavated soil will be transported to a NMOCD approved solid waste disposal facility, Lea Land, LLC.
- The excavated area will be backfilled using clean material, backhauled from Lea Land to a depth of 4-feet deep.
- A 20 mil liner will be installed at 4-feet deep and a felt liner will also be installed to ensure the structural integrity of the liner.
- New caliche will be used to backfill the remainder of the excavation and new storage tanks will be subsequently installed.
- A final report documenting all field activities and lab reports will be provided to the NMOCD Artesia office including Form C-141.

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,

TALON/LPE

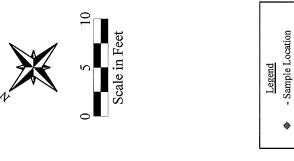
Kimberly M. Wilson

Project Manager

David J. Adkins

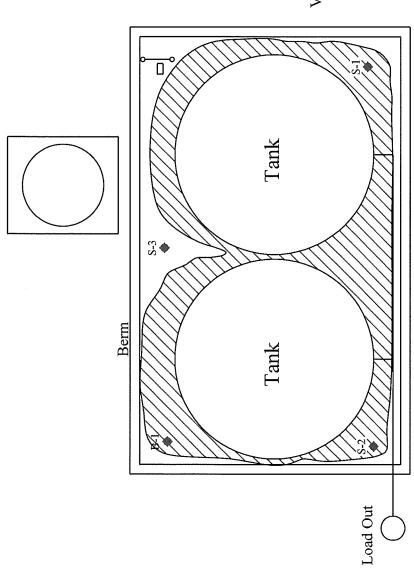
District Manager

SITE MAP



\$

V. Seperator



Dozier Fed Com #1 Cimarex Energy Eddy County, New Mexico Figure 1 - Site Plan



Date: 10/23/2013

Scale: 1" = 10'Drawn By: TJS

APPENDIX I 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 (quarters are 1=NW 2=NE 3=SW 4=SE) closed) (quarters are smallest to largest) (NA

(NAD83 UTM in meters)

(In feet)

	- Althorny and a POD at the control of the control					
	Sub- QQQ			Depti	n Depth Water	
POD Number	Code basin County 64 16 4 Sec T	ws Rng X	Υ		I Water Column	
CP 00829	LE 2 4 16 ²	9S 31E 606165	3614009* 🌑	2133 12	O	
CP 00642 EXPL	ED 2 2 25 1	9S 31E 611025	3611657* 🌍	3440 250)	
CP 00640 EXPL	LE 2 2 19 ²	9S 32E 612621	3613280* 🌑	4364 266	0 102 158	
CP 00641 EXPL	ED 4 1 36 1	9S 31E 610247	3609634*	4544 300	130 170	
CP 00639 EXPL	LE 3 1 20 1	9S 32E 613029	3612880* 🇳	4824 350	345 5	

Average Depth to Water:

192 feet

Minimum Depth:

102 feet

Maximum Depth:

345 feet

Record Count: 5

UTMNAD83 Radius Search (in meters):

Easting (X): 608280

Northing (Y): 3613731

Radius: 5000

*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 1301 W. Grand Avenue, Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410

State of New Mexico Energy Minerals and Natural Resources

> Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

RECEIVED

Form C-141 Revised October 10, 2003

JUN 1 8 2013 Submil 2 Copies to appropriate istrict Office in accordance with Rule 116 on back side of form

NMOCD ARTESIA 1220 S. St. Francis Dr., Santa Fe, NM 87505 Release Notification and Corrective Action **OPERATOR** ☐ Initial Report Final Report Name of Company-Cimarex Energy Contact- James Tinney Address-600 N Marienfeld Ste 600, Midland Tx 79701 Telephone No. 575 706 0095 Facility Name-Dozier Federal Com 1 Facility Type- Tank battery Surface Owner Mineral Owner Lease No. LOCATION OF RELEASE AP 30-015-10804 Unit Letter Section Township Range Feet from the North/South Line East/West Line Feet from the County - Eddy 14 19S 31E 1980 south 1980 west Latitude- 32.6591N Longitude- 103.8429W NATURE OF RELEASE Type of Release- crude oil Volume of Release-235bbls Volume Recovered-20 bbls Was Immediate Notice Given? If YES, To Whom? Yes No Not Required Jim Amos (BLM) Mike Bratcher (OCD..left message) Was a Watercourse Reached? If YES, Volume Impacting the Watercourse. ☐ Yes ☒ No If a Watercourse was Impacted, Describe Fully.* (*Please include Af Describe Cause of Problem and Remedial Action Take 6/16/13 Pumper arrived on location and noticed oil around bottom of tanks. Pumper called me and I notified Terry Ainsworth (Cimarex), Jim Amos @ BLM and Mike Bratcher @ OCD (Left Message). Could not see any visible signs where oil leaked out of oil tank. Spill was contained inside unlined containment. Describe Area Affected and Cleanup Action Take Around oil tanks inside containment. Emptied oil tank with hole, picked up standing oil. Talon to do assessment and work plan. I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD 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, NMOCD 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: Approved by District Supervisor: Signed By Printed Name! James Tinney Title: Production Foreman Approval Date: Expiration Date: E-mail Address: jtinney@cimarex.com Conditions of Approval: Attached Remediation per OCD Rule & Guidelines, & Phone: 575-706-0095 like approval by BLM. SUBMIT REMEDIATION * Attach Additional Sheets If Necessary PROPOSAL NO LATER THAN:

APPENDIX II LABORATORY RESULTS



June 27, 2013

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: DOZIER FED COM #1

Enclosed are the results of analyses for samples received by the laboratory on 06/20/13 8:15.

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 accredited certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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:

06/20/2013

Reported:

06/27/2013

Project Name: Project Number: DOZIER FED COM #1

Project Location:

701162.045.01 K-14-19S-31E

Sampling Date:

06/19/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-1 1' (H301430-01)

BTEX 8021B	mg/	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	84.1	10.0	06/25/2013	ND	1.96	98.0	2.00	3.95	
Toluene*	802	10.0	06/25/2013	ND	2.09	104	2.00	3.79	
Ethylbenzene*	584	10.0	06/25/2013	ND	2.25	112	2.00	3.79	
Total Xylenes*	996	30.0	06/25/2013	ND	6.79	113	6.00	3.17	
Total BTEX	2470	60.0	06/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	118 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/24/2013	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	20800	100	06/22/2013	ND	213	107	200	5.16	
DRO >C10-C28	46400	100	06/22/2013	ND	218	109	200	9.40	
Surrogate: 1-Chlorooctane	427 5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	1170	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 2 of 10



Analytical Results For:

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

Received:

06/20/2013

Reported:

06/27/2013

Project Name: Project Number: DOZIER FED COM #1

Project Location:

701162.045.01 K-14-19S-31E

Sampling Date:

06/19/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-1 2' (H301430-02)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	85.8	10.0	06/25/2013	ND	1.96	98.0	2.00	3,95	
Toluene*	860	10.0	06/25/2013	ND	2.09	104	2.00	3.79	
Ethylbenzene*	641	10.0	06/25/2013	ND	2,25	112	2,00	3.79	
Total Xylenes*	1080	30.0	06/25/2013	ND	6.79	113	6.00	3.17	
Total BTEX	2660	60.0	06/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	117	% 89.4-12	6						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/24/2013	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	23000	100	06/22/2013	ND	213	107	200	5.16	
DRO >C10-C28	54300	100	06/22/2013	ND	218	109	200	9.40	
Surrogate: 1-Chlorooctane	477	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	1400	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 3 of 10



Analytical Results For:

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

Received:

06/20/2013

Reported:

06/27/2013

Project Name:

DOZIER FED COM #1

Project Number:

701162.045.01

Project Location:

K-14-19S-31E

Sampling Date:

ig Date.

06/19/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-1 3' (H301430-03)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	63,6	10.0	06/25/2013	ND	1.96	98.0	2.00	3.95	
Toluene*	758	10.0	06/25/2013	ND	2.09	104	2,00	3.79	
Ethylbenzene*	557	10.0	06/25/2013	ND	2.25	112	2.00	3.79	
Total Xylenes*	905	30.0	06/25/2013	ND	6.79	113	6.00	3,17	
Total BTEX	2280	60.0	06/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	1169	% 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/24/2013	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	23100	100	06/22/2013	ND	213	107	200	5,16	
DRO >C10-C28	51700	100	06/22/2013	ND	218	109	200	9.40	
Surrogate: 1-Chlorooctane	473 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	1320	% 63.6-15	4						

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Keene

Celey D. Keene, Lab Director/Quality Manager

Page 4 of 10



Analytical Results For:

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

Received:

06/20/2013

Reported:

06/27/2013

Project Name: Project Number: DOZIER FED COM #1

Project Location:

701162.045.01 K-14-19S-31E Sampling Date:

06/19/2013

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-2 1' (H301430-04)

BTEX 8021B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	271	10.0	06/25/2013	ND	1.96	98.0	2.00	3.95	
Toluene*	1910	10.0	06/25/2013	ND	2.09	104	2.00	3.79	
Ethylbenzene*	1010	10.0	06/25/2013	ND	2.25	112	2.00	3.79	
Total Xylenes*	1530	30,0	06/25/2013	ND	6.79	113	6.00	3.17	
Total BTEX	4730	60.0	06/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	108	% 89.4-12	6		A. A. A. Sirin A. Sir		***************************************		
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: DW	- Index				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/24/2013	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	29200	100	06/22/2013	ND	213	107	200	5.16	
DRO >C10-C28	45000	100	06/22/2013	ND	218	109	200	9.40	
Surrogate: 1-Chlorooctane	442	% 65.2-14	0	<u></u>					-
Surrogate: 1-Chlorooctadecane	1100	% 63.6-15	4						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 10



Analytical Results For:

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

Received:

06/20/2013

Reported:

06/27/2013

Project Name: Project Number: DOZIER FED COM #1

Project Location:

701162,045,01

K-14-19S-31E

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

06/19/2013 Soil Cool & Intact

Jodi Henson

Sample ID: S-2 2' (H301430-05)

BTEX 8021B	mg,	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	181	10.0	06/25/2013	ND	1.96	98.0	2.00	3.95	
Toluene*	1540	10.0	06/25/2013	ND	2.09	104	2.00	3.79	
Ethylbenzene*	868	10.0	06/25/2013	ND	2.25	112	2.00	3.79	
Total Xylenes*	1350	30.0	06/25/2013	ND	6.79	113	6.00	3.17	
Total BTEX	3930	60.0	06/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 9	% 89.4-12	6					-	
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/24/2013	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	26600	100	06/22/2013	ND	213	107	200	5,16	
DRO >C10-C28	41400	100	06/22/2013	ND	218	109	200	9.40	
Surrogate: 1-Chlorooctane	421 5	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	1030	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager

Page 6 of 10



Analytical Results For:

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

Received:

06/20/2013

Reported:

06/27/2013

Project Name:

DOZIER FED COM #1

Project Number:

701162.045.01

Project Location:

Sampling Date:

Sample Received By:

Sampling Type: Soil

Sampling Condition:

Cool & Intact

06/19/2013

Jodi Henson

K-14-19S-31E

Sample ID: S-2 3' (H301430-06)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	77.1	5.00	06/25/2013	ND	1.96	98.0	2.00	3,95	
Toluene*	846	5.00	06/25/2013	ND	2.09	104	2.00	3.79	
Ethylbenzene*	533	5.00	06/25/2013	ND	2.25	112	2.00	3.79	
Total Xylenes*	816	15.0	06/25/2013	ND	6.79	113	6.00	3.17	
Total BTEX	2270	30.0	06/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 9	% 89.4-12	6						y
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/24/2013	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	12500	50.0	06/22/2013	ND	213	107	200	5.16	
DRO >C10-C28	22200	50,0	06/22/2013	ND	218	109	200	9.40	
Surrogate: 1-Chlorooctane	255	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	536	% 63.6-15	4						

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Page 7 of 10



Analytical Results For:

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

Received:

06/20/2013

Reported:

06/27/2013

Project Name: Project Number: DOZIER FED COM #1

Project Location:

701162.045.01

K-14-19S-31E

Sampling Date:

06/19/2013

Sampling Type: Sampling Condition:

Sample Received By:

Soil Cool & Intact

Jodi Henson

Sample ID: S-3 0' (H301430-07)

BTEX 8021B	mg,	'kg	Analyze	d By: DW				oton.	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.365	0.050	06/25/2013	ND	1.96	98.0	2.00	3.95	
Toluene*	1.79	0.050	06/25/2013	ND	2.09	104	2.00	3.79	
Ethylbenzene*	0.590	0.050	06/25/2013	ND	2.25	112	2,00	3.79	
Total Xylenes*	0.809	0.150	06/25/2013	ND	6.79	113	6.00	3.17	
Total BTEX	3.55	0.300	06/25/2013	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111 9	% 89.4-12	6						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	06/24/2013	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/22/2013	ND	213	107	200	5.16	
DRO >C10-C28	15.1	10.0	06/22/2013	ND	218	109	200	9.40	
Surrogate: 1-Chlorooctane	94.2	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	101	% 63.6-15	4						

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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.
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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Celeg & Kuna

Celey D. Keene, Lab Director/Quality Manager

Page 9 of 10

† Cardinal cannot accept verbal changes. Please fax written changes to 505-39



HAIN-OF-CUSTODY AND ANALYSIS REQUE

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

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Sampler - UPS -	Delivered By: (Circle One)		Relinquished By:	Chill he	11/10	Relinquished By:	service. In no event shall Cardinal be liable for incidental affiliates or auccessors enining out of or related to the per-	analyses, All claims including		7.	8	-0) (= (J.	و.		05410	Lab I.D.	÷	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name:	Project #: 70/	Phone #: 575	city: Artesia	Address: 408	Project Manager:	Company Name:
- Bus - Other:	(Circle One)		•1	The second second	Ĉ		service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its authorizants of surface or successors enabling out of or related to the performance of services between the Cardinal reperdees of whether such claims besed upon any of the above stated reasons or otherwise.	- Label World Liberty and Laingest Carona's seatily and climits exclusive remay to my claim stating whether based in contract (int, shall be included to the amount paid by the clerit for the sampless. All claims including forces for readjegates and any other contract what has decrease whether the makes of these many forces for the Charonal which 10 days after completing of the applicable		5-30	S-d is	2-8	5-8	\$	0 / 2/	19-1 21	S-1 1'		Sample I.D.			Robbie D.	1: K-14-195-31E	Project Name: JOZIET £CA	701162.045.01	Phone #: 575-746-8768	ila	8 W. Texas	David 4	Jalon/LP
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4º Pres Pr	으	Yailly	Received By:			Received By:	damages, Including without limitation, business Interruptions, lose of unices hereunder by Cardinal, regardless of whether such deim is besed	isim ausing whether based in cont ned waived unless made in writing		2			2	,				(G)RAB # CONT GROUN WASTE SOIL OIL	TAINE NDWA WATE	RS TER	MATRIX				Cimarex	2068-944	ip: 88,210		,	
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	BY:		ŧ	REINEAR NO:	Fax Result:	Phone Result:	f profile incurred by client, its subsidiaries the above stated reasons or otherwise.	amount paid by the client for the 30 days after completion of the s		18/13 9:35	19/13 9:29	W	19/13 9:13	╁	1,01.9 6.02	1/0/2 8:55	19/13 8:50	DATE TIME	~ · ·		SAMPLING			9.				lon		10
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Page 10 of 10

Released to Imaging: 10/18/2023 10:15:09 AM



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

		dition CHECKED BY:	Sample Condition Cool Intact	Delivered By: (Circle One)	Delivered By
				Time:	
	-4		Received Sy:		Relinquished By:
,		Wish	, Viii	Time:	9)2/1
Yes ☐ No Add'l Phone#: Yes ☐ No Add'l Fax#:	Phone Result:	.	չ Recei⊬ed By: /	Relinquished By: Date: Date: Received By: Control of Received By: Control of By:	Relinquished
	after completion of the applicable by client, its subsidiaries, if reasons or otherwise.	ract or lort, shall be illnised to the unrount and received by Cardinal within 30 days ns, loss of use, or loss of profits incurred the last of the above state.	/ for eny claim arraing whether based in convide the converse walked unless made in wriling ful be deemed walked unless made in wriling fuding without limitation, business interruption the formation of the conviction of the converse of whether such site.	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any clim mixing whether based in contract or for, statu are instead we unconvisive the analyses. All calms including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal thithin 30 days after completion of the applicable analyses. All calms including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal thinhin 30 days after completion of the applicable analyses. Including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service. In no event shall Cardinal be labele for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, and the profit of the subsidiaries of the completion of the applicable analysis.	PLEASE NOTE: Liabili analyses. All claims inc service. In no event shr
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BTEX	T PH	SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DA	(G)RAB OR (C)ON # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	Sample I.D.	Las I.D.
		PRESERV. SAMPLING			FOR LAB USE ONLY
				10: 5 holdon Hitch cock	Sampler Name:
		Phone #:		(Project Location:
		State: Zip:		: Dozier Fed com#	Project Name:
		City:	ner: Cimarex	Project *: 70 62,045,0 Project Owner:	Project#: 72
		Address:	Fax#: 525-746-8905:	8918-246	Phone #: 57
		Attn:	Zip: 88210		City: 4×+ケンダ
	100	Company: Talou/		<u>- </u>	Address: 478
		P:0.#:		D. A.d. E.	Project Manager:
ANALISIS KCUUCSI		BILLIO	-	ne: Talon / L DE	Company Name:
9			610	(575) 393-2326 FAX (5/5) 353-24/0	



August 27, 2013

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: DOZIER FED COM #1

Enclosed are the results of analyses for samples received by the laboratory on 08/21/13 12:30.

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 accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited analytes are denoted by a contract of the total contract of the tot

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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:

08/21/2013

Sampling Date:

08/20/2013

Reported:

08/27/2013

Sampling Type:

Soil

Project Name:

DOZIER FED COM #1

Sampling Condition:

Cool & Intact

Project Number:

701162.045.01

Sample Received By:

Jodi Henson

Project Location:

K-14-19S-31E

Sample ID: S-1 3.5' (H301995-01)

BTEX 8021B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	25.9	5.00	08/26/2013	ND	1.98	98.8	2.00	0.226	
Toluene*	404	5.00	08/26/2013	ND	1.92	96.0	2.00	1.01	
Ethylbenzene*	296	5.00	08/26/2013	ND	1.96	97.8	2.00	1.05	
Total Xylenes*	531	15.0	08/26/2013	ND	5.83	97.1	6.00	1.23	
Total BTEX	1260	30.0	08/26/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	115	% 89.4-12	16						
TPH 8015M	mg,	/kg	Analyze	d By: AR/					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	6220	50.0	08/26/2013	ND	208	104	200	0.257	
DRO >C10-C28	13200	50.0	08/26/2013	ND	195	97.7	200	2.71	
Surrogate: 1-Chlorooctane	178	% 65.2-14	10						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Surrogate: 1-Chlorooctadecane	309	% 63,6-15	i <i>4</i>						

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Page 2 of 6



Analytical Results For:

TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

(575) 745-8905 Fax To:

Received:

08/21/2013

Reported:

08/27/2013

Project Name: Project Number: DOZIER FED COM #1 701162.045.01

Project Location:

K-14-19S-31E

Sampling Date:

08/20/2013

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: S-1 5' (H301995-02)

BTEX 8021B	mg/	kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	32.1	10.0	08/26/2013	ND	1.98	98.8	2.00	0.226	
Toluene*	400	10.0	08/26/2013	ND	1.92	96.0	2.00	1.01	
Ethylbenzene*	262	10.0	08/26/2013	ND	1.96	97.8	2.00	1.05	
Total Xylenes*	429	30.0	08/26/2013	ND	5.83	97.1	6.00	1.23	
Total BTEX	1120	60.0	08/26/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 89.4-12	16						
TPH 8015M	mg,	'kg	Analyze	d By: AR/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	9950	50.0	08/26/2013	ND	208	104	200	0.257	
DRO >C10-C28	16700	50.0	08/26/2013	ND	195	97.7	200	2.71	
Surrogate: 1-Chlorooctane	209	% 65.2-14	10						
Surrogate: 1-Chlorooctadecane	400	% 63.6-15	14						

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Page 3 of 6



Analytical Results For:

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

Received:

08/21/2013

Reported:

08/27/2013

Project Name:

DOZIER FED COM #1

Project Number: Project Location: 701162.045.01 K-14-19S-31E

Sampling Date:

08/20/2013

Sampling Type: Sampling Condition: Soil

Sample Received By:

Cool & Intact Jodi Henson

Sample ID: S-1 6.5' (H301995-03)

BTEX 8021B	mg,	/kg	Analyze	d By: DW					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	25.1	5.00	08/26/2013	ND	1.98	98.8	2.00	0.226	
Toluene*	391	5.00	08/26/2013	ND	1.92	96.0	2.00	1.01	
Ethylbenzene*	269	5.00	08/26/2013	ND	1.96	97.8	2.00	1.05	
Total Xylenes*	509	15.0	08/26/2013	ND	5.83	97.1	6.00	1.23	
Total BTEX	1190	30.0	08/26/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 89.4-12	6						
TPH 8015M	mg,	/kg	Analyze	d By: AR/					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	5520	50.0	08/26/2013	ND	208	104	200	0.257	
DRO >C10-C28	12600	50.0	08/26/2013	ND	195	97.7	200	2.71	
Surrogate: 1-Chlorooctane	172	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	305	% 63.6-15	4						

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Page 4 of 6

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476		
Company Name: Talon /LPE		ANALYSIS REQUEST
	P:0. #;	
Address: 408 W. Texas Ave	Company: Talou/LPE	
City: Art-63ia State: NM Zip: 88210	Atin:	
Phone #: 575-746-8768 Fax #: 525-746-8905:	Address:	
0	City:	
Project Name: Dozier Fed Com#	State: Zip:	
n:	Phone #:	
Sampler Name: 4 h. of Lon Hitch cock	Fax #:	
	PRESERV SAMPLING	
OWATER VATER	SE; OL	EX.
(@)RAB # CONT. GROUN WASTEN SOIL	SLUDGE OTHER ACID/BA ICE / CC OTHER DATE	TF
	8-20-13 2:09	
2 5-1 5	1 1 8-20-13 2:14	
5-1 6:5'	8-20-13 2:41	
LEASE MOTE. Liability and Dranges. Cordenis liability and clarks exclusive remedy for any claim arising winnie beseen in emirace or for, small se limited to the amount place by set cent or the amount of the applicable analyses. All claims to hidding this exfort neighbors and say delay claims whitesover shall be deemed whited unless made in writing and resided by Cardinal within 30 days after complicion of the applicable services. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of true, or loss of profits incurred by client, its satisfamines, services. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of true, or loss of profits incurred by client, its satisfamines.	ract or fort, small be limited to the smount paid by the citem, for and received by Cardinal within 10 days after completion of the ma, loss of use, or loss of profits incurred by citent, its subsidiari	na applicable
Relinquished By: Date: // Received By:	Phone Result:	₹
Stephen Stills Control	REMARKS:	□ Yes □ No
Relinquished By:		
Sample o	Condition CHECKED BY:	· ·
Sampler LPS - Sis - Cine:	-	·

Tr Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476 4.00 ASY



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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Celey D. Keene, Lab Director/Quality Manager

Page 5 of 6



October 02, 2013

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: DOZIER FED COM #1

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 accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited accredited accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited accredit

Cardinal Laboratories is accreditated 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.

Celey & Keene

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 (575) 745-8905

Fax To:

Received:

09/26/2013

Reported: Project Name: 10/02/2013

DOZIER FED COM #1

Project Number: Project Location: 701162.045.01 K-14-19S-31E

Sampling Date: Sampling Type:

09/26/2013

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: B-1 10' (H302352-01)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.236	0.050	10/01/2013	ND	1.93	96.7	2.00	7.21	
Toluene*	4.56	0.050	10/01/2013	ND	1.91	95.5	2.00	7.26	
Ethylbenzene*	3.18	0.050	10/01/2013	ND	1.97	98.5	2.00	8.07	
Total Xylenes*	4.76	0.150	10/01/2013	ND	5.83	97.1	6.00	7.93	
Total BTEX	12.7	0.300	10/01/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	128	% 89.4-12	6						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	· Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	09/28/2013	ND	195	97.5	200	11.3	
DRO >C10-C28	158	50.0	09/28/2013	ND	185.	92.3	200	5.20	
Surrogate: 1-Chlorooctane	65.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	90.0	% 63.6-15	4						

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Page 2 of 8



Analytical Results For:

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

Received:

09/26/2013

Reported: Project Name: 10/02/2013

Project Number:

DOZIER FED COM #1

Project Location:

701162.045.01 K-14-19S-31E

Sampling Date:

Sampling Type:

09/26/2013

Sampling Condition:

Soil

Sample Received By:

Cool & Intact

Jodi Henson

Sample ID: B-1 15' (H302352-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.067	0.050	10/01/2013	ND	1.93	96.7	2.00	7.21	
Toluene*	0.121	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	109	% 89.4-12	6						
TPH 8015M	mg	/kg	Analyze	d 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	204	10.0	09/28/2013	ND	185	92.3	200	5.20	
Surrogate: 1-Chlorooctane	76.8	% 65.2-14	10					-	
Surrogate: 1-Chlorooctadecane	91.3	% 63.6-12	54						

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Page 3 of 8



Analytical Results For:

TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received: Reported: 09/26/2013

10/02/2013

Sampling Date: Sampling Type: 09/26/2013

Soil

Project Name:

DOZIER FED COM #1

Project Number:

701162.045.01

Sampling Condition:

Cool & Intact

Project Location:

K-14-19S-31E

Sample Received By:

Jodi Henson

Sample ID: B-1 20' (H302352-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.083	0.050	10/01/2013	ND	1.93	96.7	2.00	7.21	
Toluene*	0.682	0.050	10/01/2013	ND	1.91	95.5	2.00	7.26	
Ethylbenzene*	1.09	0.050	10/01/2013	ND	1.97	98.5	2.00	8.07	
Total Xylenes*	1.54	0.150	10/01/2013	ND	5.83	97.1	6.00	7.93	
Total BTEX	3.40	0.300	10/01/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	223	% 89.4-12	6						
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	89.0	50.0	09/28/2013	ND	195	97.5	200	11.3	
DRO >C10-C28	2460	50.0	09/28/2013	ND	185	92.3	200	5.20	
Surrogate: 1-Chlorooctane	90.3	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	135	% 63.6-15	4						

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Analytical Results For:

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

Received:

09/26/2013

Reported:

10/02/2013

Project Name:

DOZIER FED COM #1

Project Number: Project Location: 701162.045.01 K-14-19S-31E

Sampling Date:

Sampling Type:

09/26/2013

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: B-1 25' (H302352-04)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/01/2013	ND	1.99	99.3	2.00	0.254	
Toluene*	<0.200	0.200	10/01/2013	ND	2.02	101	2.00	0.364	
Ethylbenzene*	1.97	0.200	10/01/2013	ND	2.04	102	2.00	0.293	
Total Xylenes*	9.44	0.600	10/01/2013	ND	6.27	105	6.00	0.651	
Total BTEX	11.4	1.20	10/01/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	248 9	% 89.4-12	6						
TPH 8015M	mg/	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	336	10.0	09/30/2013	ND	217	108	200	5.63	
DRO >C10-C28	5230	10.0	09/30/2013	ND	211	106	200	5.36	
Surrogate: 1-Chlorooctane	170 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	180 9	% 63.6-15	4						

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Page 5 of 8



Analytical Results For:

TALON LPE DAVID ADKINS 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received: Reported: 09/26/2013

10/02/2013 DOZIER FED COM #1

Project Name: Project Number:

701162.045.01

Project Location:

K-14-19S-31E

Sampling Date:

Sampling Type:

09/26/2013

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: B-1 30' (H302352-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	10/01/2013	ND	1.99	99.3	2.00	0.254	
Toluene*	<0.100	0.100	10/01/2013	ND	2.02	101	2.00	0.364	
Ethylbenzene*	0.146	0.100	10/01/2013	ND	2.04	102	2.00	0.293	
Total Xylenes*	4.34	0.300	10/01/2013	ND	6.27	105	6.00	0.651	
Total BTEX	4.49	0.600	10/01/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 89.4-12	6	•					
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	177	10.0	09/30/2013	ND	217	108	200	5.63	
DRO >C10-C28	5130	10.0	09/30/2013	ND	211	106	200	5.36	
Surrogate: 1-Chlorooctane	153	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	186	% 63.6-15	4						

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Page 6 of 8



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 SM4500CI-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

Page 7 of 8



HAIN-OF-CUSTODY AND ANALYSIS REQUE

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

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Page 8 of 8

Dozier Fed Com #1 Battery * 30-015-10804 * 2RP-1689

Kimberly M. Wilson < kwilson@talonlpe.com> 12/12/2013 at 10:12 AM

From: Kimberly M. Wilson < kwilson@talonlpe.com>

Sent: 12/12/2013 at 10:12 AM

To: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>, Van Curen, Jennifer <jvancure@blm.gov> Cc: Christine Alderman <calderman@cimarex.com>, Johnny Titsworth <jtitsworth@cimarex.com>,

James Tinney James Tinney <a href="mailto:James Tinne

↑ Attachment(s) Total 218.2 KB View
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20131212091216122.pdf (218.2 KB)

Mike,

Please find the initial work plan with the lab data.

The tanks were removed and the battery has been excavated to the depth of 10', which is under the Recommended Remedial Action Levels (RRALs). We are asking for approval to backfill.

Please reply to all.

Thank you.

Respectfully,

Kimberly M. Wilson

Project Manager

Talon/LPE

408 West Texas Avenue

Artesia, New Mexico 88210

Office: 575.746.8768

Fax: 575.746.8905

Cell: 575.602.3826

Emergency: 866.742.0742

Email: kwilson@talonlpe.com

Web: www.talonlpe.com



Better Business Bureau Torch Award for Marketplace Ethics: 2010 Winner, 2009 Finalist

Staples Foundation for Learning Hall of Fame Recipient:2010

ICIC and Business Week-Top 100: 2010, 2009, 2008, 2007, 2006

Inc. 500/5000: 2012, 2011, 2010, 2009, 2008, 2007















Re: Dozier Fed Com #1 Battery * 30-015-10804 * 2RP-1689

Van Curen, Jennifer < jvancure@blm.gov> 12/12/2013 at 03:26 PM

From: Van Curen, Jennifer <jvancure@blm.gov>

Sent: 12/12/2013 at 03:26 PM

To: Kimberly M. Wilson < kwilson@talonlpe.com>

Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>, Christine Alderman <calderman@cimarex.com>, Cc:

Johnny Titsworth < jtitsworth@cimarex.com>, James Tinney < ltinney@cimarex.com>,

David Adkins dadkins@talonlpe.com

Kimberly,

Approval to backfill. Thanks.

JENNIFER E VAN CUREN **ENVIRONMENTAL PROTECTION SPECIALIST** DOI-BLM-CARLSBAD FIELD OFFICE 320 E GREENE ST. CARLSBAD, NM 88220 OFFICE- 575-234-5905 CELL - 575-361-0042 FAX - 575-234-5927

On Thu, Dec 12, 2013 at 9:12 AM, Kimberly M. Wilson <kwilson@talonlpe.com> wrote:

Mike,

Please find the initial work plan with the lab data.

The tanks were removed and the battery has been excavated to the depth of 10', which is under the Recommended Remedial Action Levels (RRALs). We are asking for approval to backfill.

Please reply to all.

Thank you.

Respectfully,

Kimberly M. Wilson

Project Manager

Talon/LPE

408 West Texas Avenue

Artesia, New Mexico 88210

Office: 575.746.8768

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Cell: 575.602.3826

Emergency: 866.742.0742

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ICIC and Business Week- Top 100: 2010, 2009, 2008, 2007, 2006

Inc. 500/5000: 2012, 2011, 2010, 2009, 2008, 2007

RE: Dozier Fed Com #1 Battery * 30-015-10804 * 2RP-1689

Bratcher, Mike, EMNRD < mike.bratcher@state.nm.us> 12/12/2013 at 04:46 PM

From: Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>

Sent: 12/12/2013 at 04:46 PM

To: David Adkins <dadkins@talonlpe.com>

Cc: Kimberly M. Wilson kwilson@talonlpe.com, Van Curen, Jennifer jvancure@blm.gov,

Christine Alderman <calderman@cimarex.com>, Johnny Titsworth <jtitsworth@cimarex.com>,

James Tinney < Itinney@cimarex.com>

Thanks David – I thought that was probably the case, and then after seeing the photos, the sample points and the boring were not all that far apart. I spoke with Johnny and Christine and they were going to grab the additional samples and continue with backfill ops. So we should be good.

Thanks again,

Mike Bratcher

NMOCD District 2

811 S. First Street

Artesia, NM 88210

O: 575-748-1283 X108

C: 575-626-0857

F: 575-748-9720

From: David Adkins [mailto:dadkins@talonlpe.com]

Sent: Thursday, December 12, 2013 3:30 PM

To: Bratcher, Mike, EMNRD

Cc: Kimberly M. Wilson; Van Curen, Jennifer; Christine Alderman; jtitsworth@cimarex.com; jtinney@cimarex.com

Subject: Re: Dozier Fed Com #1 Battery * 30-015-10804 * 2RP-1689

Hi Mike

Responding to the portion of your email regarding the drilling location... I was on site that day and made that field decision regarding accessibility and safety of the drill rig.

The previous location was sampled with a backhoe reaching into a spot too tight for the drill rig. Additionally, I believe there were overhead power lines with a drop to power the battery in the vicinity. The whole battery was impacted so I didn't feel like it would change the outcome of the assessment to any degree. I apologize for any confusion or if that wasn't made clear to to prior. Please let me know if I can provide any further details.

Respectfully,

David J. Adkins

District Manager

Talon/LPE

[please forgive any spelling/grammatical errors as this was sent by mobile device]

On Dec 12, 2013, at 2:42 PM, "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us> wrote:

Kimberly – Thanks for the photos, that helps. I do have a couple of questions and maybe Christine or Johnny could answer. My understanding is that this is a 10' excavation. Is the plan to backfill to 4' and install a liner, or backfill to grade and install a lined facility/battery? Why was B-1 installed on the opposite side of the battery from S-1 and S-2? And it appears the TPH levels rose above RRALs in the 25' and 30' interval. I don't really see it changing the overall plan much, but OCD would have preferred to see the boring installed a little closer to the sample points if practicable, especially since the main contaminant of concern here is light end hydrocarbon. At this point, considering a 10' excavation, I would request confirmation samples be obtained from the 11' and 12' interval in the area of S-1 and S-2 and tested for BTEX and TPH.

Thanks,

Mike Bratcher

NMOCD District 2

811 S. First Street

Artesia, NM 88210

O: 575-748-1283 X108

C: 575-626-0857

F: 575-748-9720

From: Kimberly M. Wilson [mailto:kwilson@talonlpe.com]

Sent: Thursday, December 12, 2013 1:02 PM To: Bratcher, Mike, EMNRD; Van Curen, Jennifer

Cc: Christine Alderman; jtitsworth@cimarex.com; jtinney@cimarex.com; David Adkins

Subject: Dozier Fed Com #1 Battery * 30-015-10804 * 2RP-1689

Mike and Jennifer,

Please find attached the pictures of the open excavation at the above reference location.

Kimberly M. Wilson

Project Manager

Talon/LPE

408 West Texas Avenue

Artesia, New Mexico 88210

Office: 575.746.8768

Fax: 575.746.8905

Cell: 575.602.3826

Emergency: 866.742.0742

Email: kwilson@talonlpe.com

Web: www.talonlpe.com

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Staples Foundation for Learning Hall of Fame Recipient:2010

ICIC and Business Week- Top 100: 2010, 2009, 2008, 2007, 2006

Inc. 500/5000: 2012, 2011, 2010, 2009, 2008, 2007

Dozier

Johnny Titsworth jitisworth@cimarex.com 12/20/2013 at 08:07 AM

From: Johnny Titsworth < jtitsworth@cimarex.com>

Sent: 12/20/2013 at 08:07 AM

To: 'mike.bratcher@state.nm.us' <mike.bratcher@state.nm.us>, 'jvancure@blm.gov' <jvancure@blm.gov>

Cc: Christine Alderman <calderman@cimarex.com>

↑ Attachment(s) Total 164.3 KB View
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Dozier analtical.pdf (164.3 KB)

Mike/Jennifer,

Attached is the analytical for the 11' and 12' samples at the Dozier Fed TB that was requested. There is a little impact, but it doesn't exceed regulatory levels. We have removed the 10' of impact, replaced with clean material, and placed a liner at the surface to prevent further impact while the facility is in production. The closure report should be coming soon. If there is anything else that you need, feel free to contact us. Thanks and have a Merry Christmas.

Johnny Titsworth

Environmental Compliance Coordinator

600 N. Marienfeld St., Suite 600

Midland, TX 79701

Mobile: 432-250-2059

Office: 432-620-1983

cid:image001.png@01CE2708.7C99F810



December 17, 2013

JIM HAWLEY H & R ENTERPRISES 1010 GAMBLIN ROAD HOBBS, NM 88240

RE: DOZIER FED #1

Enclosed are the results of analyses for samples received by the laboratory on 12/13/13 10:10.

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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 12/13/2013 Reported: 12/17/2013

Project Name: DOZIER FED #1
Project Number: NON GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/12/2013

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Kathy Perez

Sample ID: #1 11' BGS (H303013-01)

BTEX 8021B	mg/	kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2013	ND	1.70	85.2	2.00	5.81	
Toluene*	0.109	0.050	12/15/2013	ND	1.70	85.0	2.00	5.97	
Ethylbenzene*	0.120	0.050	12/15/2013	ND	1.70	85.0	2.00	6.15	
Total Xylenes*	<0.150	0.150	12/15/2013	ND	5.00	83.3	6.00	5.78	
Total BTEX	0.339	0.300	12/15/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 89.4-12	6						
TPH 8015M	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/17/2013	ND	181	90.5	200	0.132	
DRO >C10-C28	695	10.0	12/17/2013	ND	180	90.2	200	3.21	
Surrogate: 1-Chlorooctane	103 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	128 9	% 63.6-15	4						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keine



Analytical Results For:

H & R ENTERPRISES
JIM HAWLEY
1010 GAMBLIN ROAD
HOBBS NM, 88240
Fax To: NONE

Received: 12/13/2013

Reported: 12/17/2013
Project Name: DOZIER FED #1
Project Number: NON GIVEN
Project Location: NOT GIVEN

Sampling Date: 12/12/2013

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Kathy Perez

Sample ID: #2 12' BGS (H303013-02)

BTEX 8021B	mg,	'kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2013	ND	1.70	85.2	2.00	5.81	
Toluene*	<0.050	0.050	12/15/2013	ND	1.70	85.0	2.00	5.97	
Ethylbenzene*	<0.050	0.050	12/15/2013	ND	1.70	85.0	2.00	6.15	
Total Xylenes*	<0.150	0.150	12/15/2013	ND	5.00	83.3	6.00	5.78	
Total BTEX	<0.300	0.300	12/15/2013	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 89.4-12	6						
TPH 8015M	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/17/2013	ND	181	90.5	200	0.132	
DRO >C10-C28	879	10.0	12/17/2013	ND	180	90.2	200	3.21	
Surrogate: 1-Chlorooctane	113 9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	139	% 63.6-15	4						

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Celey D. Keene, Lab Director/Quality Manager

Released to Imaging: 10/18/2023 10:15:09 AM

Celey D. Keine



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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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aable	r tort, shall be limited to the amount paid by the client for the received by Cardinal within 30 days after completion of the applic	PLEASE NOTE: Labinity and Jamages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable
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	Phone #:	Project Location:
	State: Zip:	
	City:	Project Owner: CIMARKI
	Address:	
	(-	State: NM zip: 88240
	Company: (/N-NPG)	
	P.O. #:	Project Manager: 1000 1000 1000 1000 1000 1000 1000 10
ANALYSIS REQUEST		Company Name: LAR RUIGRURISS

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Time:

TO WARRIO CIMARES COM



March 30, 2021

JIM HAWLEY
MC DANIELS CO.
12900 PRESTON RD #415

DALLAS, TX 75230 RE: DOZIER FED #1

Enclosed are the results of analyses for samples received by the laboratory on 03/29/21 8:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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/ga/lab_accred_certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keene

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:

MC DANIELS CO.
JIM HAWLEY
12900 PRESTON RD #415
DALLAS TX, 75230
Fax To:

Received: 03/29/2021 Reported: 03/30/2021

Project Name: DOZIER FED #1
Project Number: NONE GIVEN
Project Location: CIMAREX

Sampling Date: 03/26/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NW #1 (H210770-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	4.56	QR-03
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82	QR-03
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 73.3-12	9						
Chloride, SM4500Cl-B mg/kg		/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/30/2021	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2021	ND	217	108	200	2.61	
DRO >C10-C28*	<10.0	10.0	03/29/2021	ND	223	111	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	03/29/2021	ND					
Surrogate: 1-Chlorooctane	73.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	71.4	% 42.2-15	6						

Applymed By MC

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Celey D. Keens



Analytical Results For:

MC DANIELS CO.
JIM HAWLEY
12900 PRESTON RD #415
DALLAS TX, 75230
Fax To:

Received: 03/29/2021 Reported: 03/30/2021

Reported: 03/30/2021
Project Name: DOZIER FED #1
Project Number: NONE GIVEN
Project Location: CIMAREX

ma/ka

Sampling Date: 03/26/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: NE #1 (H210770-02)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	4.56	
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 73.3-12	9						
Chloride, SM4500CI-B	SM4500Cl-B mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/30/2021	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2021	ND	217	108	200	2.61	
DRO >C10-C28*	<10.0	10.0	03/29/2021	ND	223	111	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	03/29/2021	ND					
Surrogate: 1-Chlorooctane	62.2	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	61.0	% 42.2-15	6						

Analyzed By: MC

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

MC DANIELS CO.
JIM HAWLEY
12900 PRESTON RD #415
DALLAS TX, 75230
Fax To:

Received: 03/29/2021

Reported: 03/30/2021
Project Name: DOZIER FED #1
Project Number: NONE GIVEN
Project Location: CIMAREX

mg/kg

Sampling Date: 03/26/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SW #1 (H210770-03)

BTEX 8021B

	9/	9	7111411720	= 7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	4.56	
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 73.3-12	9						
Chloride, SM4500Cl-B mg/kg		/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/30/2021	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2021	ND	217	108	200	2.61	
DRO >C10-C28*	<10.0	10.0	03/29/2021	ND	223	111	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	03/29/2021	ND					
Surrogate: 1-Chlorooctane	67.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	65.4	% 42.2-15	6						

Analyzed By: MS

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

MC DANIELS CO. JIM HAWLEY 12900 PRESTON RD #415 **DALLAS TX, 75230** Fax To:

Received: 03/29/2021

Reported: 03/30/2021 Project Name: DOZIER FED #1 Project Number: NONE GIVEN Project Location: **CIMAREX**

Sampling Date: 03/26/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SE #1 (H210770-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2021	ND	2.14	107	2.00	4.56	
Toluene*	<0.050	0.050	03/29/2021	ND	2.08	104	2.00	4.82	
Ethylbenzene*	<0.050	0.050	03/29/2021	ND	1.98	98.9	2.00	4.56	
Total Xylenes*	<0.150	0.150	03/29/2021	ND	5.78	96.4	6.00	4.03	
Total BTEX	<0.300	0.300	03/29/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/30/2021	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2021	ND	217	108	200	2.61	
DRO >C10-C28*	<10.0	10.0	03/29/2021	ND	223	111	200	3.27	
EXT DRO >C28-C36	<10.0	10.0	03/29/2021	ND					
Surrogate: 1-Chlorooctane	71.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	69.0	% 42.2-15	6						

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Notes and Definitions

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or S-06 matrix interference's. QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. 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

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

(575) 393-2326 FAX (575) 393-2476	75) 393-2476		ANALYSIS REDUEST
Company Name: MC DALIELS	×	BILL TO	ANALISIS PLACES
4 00		P.O. #:	
Address: 0.0. 3641		Company: MCUNU6200	
lohbs	State: NM Zip:88 29	Attn:	
e#: 575-605-3471	Fax #:	Address:	
	Project Owner: C/MAREX	City:	
Project Name: DOZIER F6D	0#/	State: Zip:	
on:		Phone #:	
Sampler Name: TAM ANGO	1	7	255
		PRESERV. SAMPLING	De
Lab I.D. Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE	RIEX
1		20135	1
MAN SWAY	2	185.5 1000 S	
4 284	2	SMALL MAN	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the application of th	ts exclusive remedy for any claim arising whether based in continuous whatsoever shall be deerned waived unless made in writing use whatsoever shall be deerned waived unless made in writing	act or tort, shall be limited to the amount paid by the client and received by Cardinal within 30 days after completion and received by Cardinal within 30 flavor greaters, is ose of use, or loss of profits incurred by client, its subs	t for the opplicable distribution of the applicable distributi
affiliates or successors arising out of or related to the performance or Relinquished By:	ce of services hereunder by Cardinal, regardless of whether such the Datity Received By:	Phone Result: Fax Result: REMARKS:	Result: Pes No Add'I Phone #: sult: Pes No Add'I Fax #: KS: TAANKONA TAANK
Relinquished By:	Date: Received By:	Delver)	
Delivered By: (Circle One)	Sample Condition Cool Intact	dition CHECKED BY:	
	3.9° #//3 Pres Pres	No. 40	

ate of New Mexico

Incident ID In IMW/1317737425

Incident ID	nJMW1317737425
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
Description of remediation activities
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.
Printed Name: Laci Luig Title: EHS Specialist
Signature: Date: 12/15/2022
email: laci.luig@coterra.com Telephone: (432) 208-3035
OCD Only
Received by: Date:
Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.
Closure Approved by: Date: 10/18/2023
Printed Name: Brittany Hall Title: Environmental Specialist

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720 District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 181978

CONDITIONS

Operator:	OGRID:
CIMAREX ENERGY CO. OF COLORADO	162683
6001 Deauville Blvd, Ste 300N Midland, TX 79706	Action Number: 181978
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	d Condition	Condition Date
bhall	None	10/18/2023