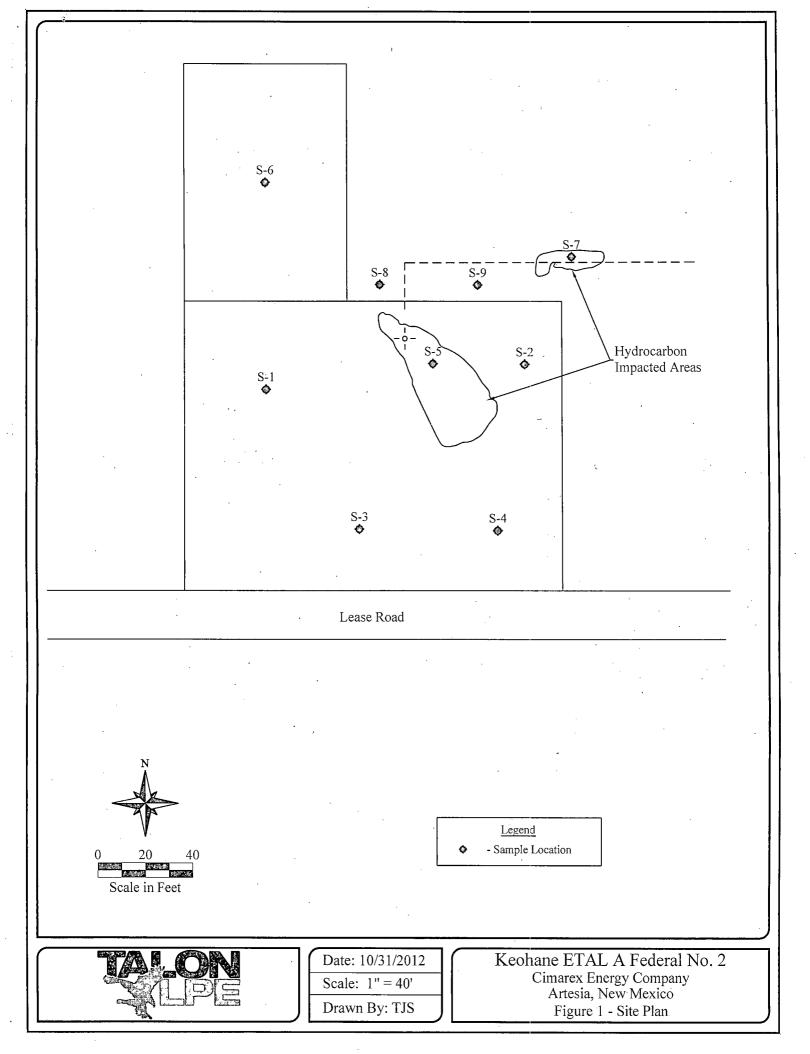
RECEIVED	7	OCO					
Form 3160-5	DUTED STATES	CCD Antesia			RM APPROVED IB No. 1004-0137		
(August 2007DEC 11,2012	ARTMENT OF THE IN	TERIOR		Expires: July 31, 2010			
	EAU OF LAND MANA	5. Lease Serial No. NMNM055648					
Do not use this f	orm for proposals to ( Use Form 3160-3 (APL	drill or to re-enter an	is.	6. If Indian, Allottee or	Tribe Name		
	T IN TRIPLICATE – Olher Ins		-	7. If Unit of CA/Agreen	nent, Name and/or No.		
1. Type of Well Gas W	/ell 🔲 Other	, -		8. Well Name and No. Keohane ETAL A Fac	leral #2		
2. Name of Operator CIMAREX ENERGY CO. OF COLO	RADÓ			9. APJ Weil No. 30-015-05621	······································		
3a, Address 600 N. Marienfeld st Suite 600, Midland, TX 797		. Phone No. (include area co	de)	10. Field and Pool or Ex			
4. Location of Well (Foolage, Sec., T.,	10	32-571-7800		SHUGART; YATES-7 11. Country or Parish, S			
1980' FSL & 660' FWL, Unit L, Section 28, T185				EDDY			
12. CHEC	K THE APPROPRIATE BOX(	ES) TO INDICATE NATUR	E OF NOTIO	CE, REPORT OR OTHE	R DATA		
TYPE OF SUBMISSION	······	TY	PE OF ACT	TION			
Notice of Intent	Acidize	Deepen	Prod	uction (Start/Resume)	Water Shut-Off		
TATI Monee of Intent	Alter Casing	Fracture Treat	Reci	amation	Well Integrity		
Subsequent Report	Casing Repair	New Construction	Reco	mplete	Other P&A LOCATION		
Final Abandonment Notice	Change Plans	Plug and Abandon Plug Back	_	porarily Abandon er Disposal	PAALOCATION		
following completion of the involv testing has been completed. Final determined that the site is ready fo 1. Cimarex Energy Company has c 2. On 10/29/2012 Talon/LPE mobiliz Grab soil samples were collected fr Chlorides via Method SM4500Cl-B, 3. The visibly impacted soil around The excavated soil will be transport 4. The caliche from the location will New soil will be transported to the lo 5. The location will be cut, ripped, c 6. The soil lift will be contoured to m Seed Mirco 3 -	Abandonment Notices must be a r final inspection.) contracted Talon/LPE to do re- zed personnel to the site to co om the location and closed di 8015M TPH and 8021B BTE the dry hole marker will be e ed to a NMOCD approved so be removed, 1-foot of callcho ocation from a local borrow pi ross-ripped and then windrow atch the surrounding terrain a	filed only after all requirement aclamation activitites on the arry out soil sampling activit filing pit. The soil samples EX. The results for the soil s excavated to 3-feet deep. T slid waste disposel facility. I waste disposel facility. I waste disposel facility. I and 2-foot will be placed ws will be installed. and the location will be see	Neohane E Neohane E Nere sent Samples are The impacte egitated par over a secti	T Al. A Federal No. 2, construction of a work to Cardinal Laboratorie attached. d soil from S-7 will be a t of the drilling pli or u ion of drilling pli.	completed and the operator has a P&A'd location. plan. se for analysis of total excavated to a depth of 1-foot. sed as road closure barms.		
James Tinney		Title Pro	oduet	ion Fore,	No-n		
Signature James /	anny	Date 11	[29][	2			
	THIS SPACE F	OR FEDERAL OR ST	TATE OF	FICE USE	<u>, , , , , , , , , , , , , , , , , , , </u>		
Approved by	~ ~ ~	-					
Conditions of approval, if any, are attacht that the applicant holds legal or equitable	title to those rights in the subject i		<u> </u>		Date 12-8-12		
cntitle the applicant to conduct operations Title 18 U.S.C. Section 1001 and Title 43	U.S.C. Section 1212, make it a c				t or agency of the United States any false,		
ficilious or fraudulent statements or repr (Instructions on page 2)	esentations as to any matter within	la its jurisdiction.					
(		h - m - m -	1				
		the Chip.	ы. I.	12/12/12			
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				<i>[""      </i>			
,							





November 02, 2012

MIKE STUBBLEFIELD

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: KEOHANE ETAL A FED. NO. 2

Enclosed are the results of analyses for samples received by the laboratory on 10/30/12 12:45.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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.

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,

Celer D.Kune

Celey D. Keene Lab Director/Quality Manager



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

Received:	10/30/2012	Sampling Date:	10/29/2012
Reported:	11/02/2012	Sampling Type:	Soil
Project Name:	KEOHANE ETAL A FED. NO. 2	Sampling Condition:	Cool & Intact
Project Number:	701162.028.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 28 - T18S - R31E		

#### Sample ID: S - 1 0' (H202638-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	. 256	16.0	10/31/2012	ND	. 432	108	400	. 3.77	

. . ....

# Sample ID: S - 2 0' (H202638-02)

Chloride, 5M4500CI-B	mg/	кg	Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	
Chloride	64.0	16.0	10/31/2012	ND	432	108	400	3.77	

#### -

#### Sample ID: S - 3 0' (H202638-03)

Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM	·		÷		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	
Chloride	<16.0	16.0	10/31/2012	ND	432	. 108	400	3.77	

#### Sample ID: S - 4 0' (H202638-04)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM				:	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	10/31/2012	ND	432	108	400	3.77	

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#### \*=Accredited Analyte

Qualifier

Qualifier

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Celeg Di Keine

Celey D. Keene, Lab Director/Quality Manager



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Received:	10/30/2012	Sampling Date:	10/29/2012
Reported:	11/02/2012	Sampling Type:	Soil
Project Name:	KEOHANE ETAL A FED. NO. 2	Sampling Condition:	Cool & Intact
Project Number:	701162.028.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 28 - T18S - R31E		

#### Sample ID: S - 5 0' (H202638-05)

BTEX 8021B	mg/	kg	Analyze	d By: AP					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	11/01/2012	ND	1.92	95.8	2.00	4.85	
Toluene*	0.319	0.200	11/02/2012	ND	2.16	108	2.00	1.81	
Ethylbenzene*	0.457	0.200	11/02/2012	ND	2.20	110	2.00	0.682	
Total Xylenes*	1.39	0.600	11/02/2012	ND	6.76	113	6.00	2.13	. •
Total BTEX	2.17	1.20	11/02/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	143	89.4-12	6						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	31200	16.0	10/31/2012	ND	432	108	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	<200	200	10/30/2012	ND	197	98.6	200	0.0806	

Surrogate: 1-Chlorooctane 106 % 65.2-140 Surrogate: 1-Chlorooctadecane 248 % 63.6-154

10/30/2012

ND

214

107

200

1.69

#### Cardinal Laboratories

DRO >C10-C28

#### \*=Accredited Analyte

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Celeg D. Keine

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Celey D. Keene, Lab Director/Quality Manager



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

	·		
Received:	10/30/2012	Sampling Date:	10/29/2012
Reported:	11/02/2012	Sampling Type:	Soil
Project Name:	KEOHANE ETAL A FED. NO. 2	Sampling Condition:	Cool & Intact
Project Number:	701162.028.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 28 - T18S - R31E		

#### Sample ID: S - 5 1' (H202638-06)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2012	ND	1.92	95.8	2.00	4.85	
Toluene*	<0.050	0.050	11/01/2012	ND	2.16	108	2.00	1.81	
Ethylbenzene*	<0.050	0.050	11/01/2012	ND	2.20	110	2.00	0.682	
Total Xylenes*	<0.150	0.150	11/01/2012	ND	6.76	113	6.00	2.13	
Total BTEX	<0.300	0.300	11/01/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 9	89.4-120	5						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	10/31/2012	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	10/30/2012	ND	197	98.6	200	0.0806	
DRO >C10-C28	<10.0	10.0	10/30/2012	ND	214	107	200	1.69	
Surrogate: 1-Chlorooctane	87.7	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	97.1	% 63.6-15	4.						

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\*=Accredited Analyte

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Celez D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/30/2012	Sampling Date:	10/29/2012
Reported:	11/02/2012	Sampling Type:	Soil
Project Name:	KEOHANE ETAL A FED. NO. 2	Sampling Condition:	Cool & Intact
Project Number:	701162.028.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 28 - T18S - R31E		

## Sample ID: S - 5 2' (H202638-07)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2012	ND	1.92	95.8	2.00	<sup>.</sup> 4.85	
Toluene*	<0.050	0.050	11/01/2012	ND	2.16	108	2.00	1.81	
Ethylbenzene*	<0.050	0.050	11/01/2012	ND	2.20	110	2.00	0.682	
Total Xylenes*	<0.150	0.150	11/01/2012	ND	6.76	113	6.00	2.13	
Total BTEX	<0.300	0.300	11/01/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106 %	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM				•	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1820	16.0	10/31/2012	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					<u> </u>
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/30/2012	ND	197	98.6	200	0.0806	
DRO >C10-C28	<10.0	10.0	10/30/2012	ND	214	107	200	1.69	
Surrogate: 1-Chlorooctane	84.6 \$	65.2-14	0	<u>-</u>					
Surrogate: 1-Chlorooctadecane	93.2 9	63.6-15	4						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 15



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

# Analytical Results For:

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

Received:	10/30/2012	Sampling Date:	10/29/2012
Reported:	11/02/2012	Sampling Type:	Soil
Project Name:	KEOHANE ETAL À FED. NO. 2	Sampling Condition:	Cool & Intact
Project Number:	701162.028.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 28 - T18S - R31E		

#### Sample ID: S - 6 0' (H202638-08)

BTEX 8021B	mg/	kg .	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2012	ND	1.92	95.8	2.00	4.85	
Toluene*	<0.050	0.050	11/01/2012	ND	2.16	108	. 2.00	1.81	
Ethylbenzene*	<0.050	0.050	11/01/2012	ND	2.20	110	2.00	0.682	
Total Xylenes*	<0.150	0.150	11/01/2012	ND	6.76	113	6.00	2.13	
Total BTEX	<0.300	0.300	11/01/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 9	% 89.4-120	5						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15400	16.0 ·	10/31/2012	ND	432	108	400	3.77	
TPH 8015M .	mg/	kg	Analyze	d By: MS					•
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/31/2012	ND	194 .	97.1	200	5.08	
DRO >C10-C28	41.3	10.0	10/31/2012	ND	215	107	200	7.72	
Surrogate: 1-Chlorooctane	75.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	86.5	% 63.6-154	4						

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#### \*=Accredited Analyte

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/30/2012	Sampling Date:	10/29/2012
Reported:	11/02/2012	Sampling Type:	Soil
Project Name:	KEOHANE ETAL A FED. NO. 2	Sampling Condition:	Cool & Intact
Project Number:	701162.028.01	Sample Received By:	Jodi Henson
Project Location:	SEC, 28 - T18S - R31E		

#### Sample ID: S - 6 1' (H202638-09)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2012	ND	1.92	95.8	2.00	4.85	
Toluene*	<0.050	0.050	11/01/2012	ND	2.16	108	2.00	1.81	
Ethylbenzene*	<0.050	0.050	11/01/2012	ND	2.20	110	2.00	0.682	
Total Xylenes*	<0.150	0.150	11/01/2012	ND	6.76	113	6.00	2.13	
Total BTEX	<0.300	0.300	11/01/2012	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 \$	% 89.4-12	6		·				
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11600	16.0	10/31/2012	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS		1			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/31/2012	ND	194	97.1	200	5.08	
DRO >C10-C28	<10.0	10.0	10/31/2012	ND	215	107	200	7.72	
Surrogate: 1-Chlorooctane	70.8	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	78.7	% 63.6-15	4						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/30/2012	Sampling Date:	10/29/2012
Reported:	11/02/2012	Sampling Type:	Soil
Project Name:	KEOHANE ETAL A FED. NO. 2	Sampling Condition:	Cool & Intact
Project Number:	701162.028.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 28 - T18S - R31E		

#### Sample ID: S - 6. 2' (H202638-10)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2012	ND	1.92	95.8	2.00	4.85	
Toluene*	<0.050	0.050	11/01/2012	ND	2.16	108	2.00	1.81	
Ethylbenzene*	<0:050	0.050	11/01/2012	ND	2.20	110	2.00	0.682	
Total Xylenes*	<0.150	0.150	11/01/2012	ND	6.76	113	6.00	2.13	
Total BTEX	<0.300	0.300	11/01/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	106 9	6 89.4-12	6						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9300	16.0	10/31/2012	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	10/31/2012	ND	194	97.1	200	5.08	
DRO >C10-C28	<10.0	10.0	10/31/2012	ND	215	107	200	7.72	
Surrogate: 1-Chlorooctane	72.8	65.2-14	0						
Surrogate: 1-Chlorooctadecane	83.7	63.6-15	4						

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Celez D. Kune

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/30/2012	Sampling Date:	10/29/2012
Reported:	11/02/2012	Sampling Type:	Soil
Project Name:	KEOHANE ETAL A FED. NO. 2	Sampling Condition:	Cool & Intact
Project Number:	701162.028.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 28 - T18S - R31E		

#### Sample ID: S - 7 0' (H202638-11)

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BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2012	ND	1.92	95.8	2.00	4.85	
Toluene*	<0.050	0.050	11/01/2012	ND	2.16	108	2.00	1.81	
Ethylbenzene*	<0.050	0.050	11/01/2012	ND	2.20	110	2.00	0.682	
Total Xylenes*	<0.150	0.150	11/01/2012	ND	6.76	113	6.00	2.13	
Total BTEX	<0.300	0.300	11/01/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	105 %	6 89.4-12	б						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: HM		·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	10/31/2012	ND	432	108	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	<100	100 .	10/31/2012	ND	194	97.1	200	5.08	
	11600	100	10/31/2012	ND	215	107	200	7.72	

Surrogate: 1-Chlorooctadecane 223 % 63.6-154

#### **Cardinal Laboratories**

\*=Accredited Analyte

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Celeg D. Kune

Celey D. Keene, Lab Director/Quality Manager



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# Analytical Results For:

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

Received:	10/30/2012	Sampling Date:	10/29/2012
Reported:	11/02/2012	Sampling Type:	Soil
Project Name:	KEOHANE ETAL A FED. NO. 2	Sampling Condition:	Cool & Intact
Project Number:	701162.028.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 28 - T18S - R31E		

# Sample ID: S - 7 1' (H202638-12)

BTEX 8021B	mg/	kg	Analyze	d By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2012	ND	1.92	95.8	2.00	4.85	
Toluene*	<0:050	0.050	11/01/2012	ND	2.16	108	2.00	1.81	
Ethylbenzene*	<0.050	0.050	11/01/2012	ND	2.20	110	2.00	0.682	
Total Xylenes*	<0.150	0.150	11/01/2012	ND	6.76	113	6.00	2.13	
Total BTEX	<0.300	0.300	11/01/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIL	107 \$	89.4-12	6			· · · · · · · · · · · · · · · · ·			
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: HM		<u>.</u>			
Analyte	Result	Reporting`Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	10/31/2012	NÐ	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	32.2	10.0	11/01/2012	ND	194	97.1	200	5.08	
DRO >C10-C28	524	10.0	11/01/2012	ND	215	107	200	7.72	
Surrogate: 1-Chlorooctane	90.9	% 65.2-14	0						
Surrogate: 1-Chlorooctadecane	116 9	63.6-15	4						

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Celey D. Kune

Celey D. Keene, Lab Director/Quality Manager

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

Received:	10/30/2012	Sampling Date:	10/29/2012
Reported:	11/02/2012	Sampling Type:	Soil
Project Name:	KEOHANE ETAL A FED. NO. 2	Sampling Condition:	Cool & Intact
Project Number:	701162.028.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 28 - T18S - R31E		

#### Sample ID: S - 7 2' (H202638-13)

BTEX 8021B	mg/	kg	Analyze	d By: AP		· · · ·			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/01/2012	ND	1.86	93.2	2.00	4.88	
Toluene*	<0.050	0.050	11/01/2012	ND	2.05	102	2.00	5.31	
Ethylbenzene*	<0.050	0.050	11/01/2012	ND	2.06	103	2.00	6.00	
Total Xylenes*	<0.150	0.150	11/01/2012	ND	5.95	99.1	6.00	5.97	
Total BTEX	<0.300	0.300	11/01/2012	ND					
Surrogate: 4-Bromofluorobenzene (PIC	107 9	% 89.4-12	б						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	10/31/2012	· ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS 1.	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<50.0	50.0	11/01/2012	ND	194	97.1	200	5.08	
DRO >C10-C28	1670	50.0	11/01/2012	ND	215	107	200	7.72	
Surrogate: 1-Chlorooctane	92.3	65.2-14	0						
Surrogate: 1-Chlorooctadecane	136 %	6 63.6-15	1						

# Sample ID: S - 8 (H202638-14)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/31/2012	ND	432	108	400	3.77	

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Celeg Di Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	10/30/2012	Sampling Date:	10/29/2012
Reported:	11/02/2012	Sampling Type:	Soil
Project Name:	KEOHANE ETAL A FED. NO. 2	Sampling Condition:	Cool & Intact
Project Number:	701162.028.01	Sample Received By:	Jodi Henson
Project Location:	SEC. 28 - T18S - R31E		

#### Sample ID: S - 9 (H202638-15)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/31/2012	ND	432	108	400	3.77	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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

# 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 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

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

#### 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name: Talon/LPE BILL TO ANALYSIS REQUEST Project Manager: mike STubbleficht P.O. #: 408 West Teral Aur. Company: Talon/4PE Address: Artesia State: NM Zip: 88210 City: Attn: 525-441-2254 Fax #: Address: Phone #: Project #: 201162.028.01 Project Owner: City: Project Name: Keohane Etal A Fed. No. z State: Zip: Project Location: scc. 29 - TI8S. R31E Phone #: mile Sheepilt Sampler Name: Fax #: OTER chlorider MATRIX PRESERV. SAMPLING TP# FOR LAB USE ONLY (G)RAB OR (C)OMP ł GROUNDWATE # CONTAINERS VASTEWATER 801510 80218 Lab I.D. Sample I.D. ICE / COOL ACID/BASE studge total OTHER 20IL olL 12026多 DATE TIME 10/24/12 11:45 A 5.1 0 ς 10/29/12 11:50A S.Z O 20/29/12 112:008 -2, 5.3 0 6 U 10/24/12 12:10P Ö 6 10/29/12 12:201 5 6 0 10/11/12:301 10/29/12 12:408 5 w/24/12 1:45P $\overline{\mathcal{O}}$ 10/24/12 1: 507 - 6 6 5.6 10/20/12 2:00P 2

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	of services hereunder by Cardinal, regardless of whether such slaim is based upon any of the above stated re-	I DEBEGNE CI OTHE:WASE	
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Relinquished By:	Date: Received By:		
	Time:		
Delivered By: (Circle One)	Sample Condition CHECKED BY:		
Sampler - UPS - Bus - Other:			

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 39942326

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Talon ILPE		BILL TO		ANALYSIS	S REQUEST	
Project Manager	mike Stubblefield		P.O. #:				
	408 Weit Tixar Aur.		Company: Talon/LAE				
City:	Ritesia State:NM		Attn:				
Phone #:	575-441.7254 Fax #:		Address:				.
Project #:	201162. 029.01 Project Owne	r:	City:				
Project Name:	Keobane Etal A Federal N	0.2	State: Zip:				
	ser. 28-7185-R31E		Phone #:				
Sampler Name:	mice Shellfull	MATRIX	Fax #: PRESERV_SAMPLING	Fe .			
Lab I.D. H202638	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SUUDGE	OTHER: ACID/BASE: CE / COOL OTHER: AMMIL AMMIL AMMIL	8015M TPH 8021B ATEP Total chlorider			
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alliliates or successors arising out of or related to the performance		asons or pinermse.				
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