

P.O. Box 51790 Midland, Texas 79710 Phone (432) 686-1482 Fax (432) 686-1425

**NM OIL CONSERVATION** 

ARTESIA DISTRICT

JUN 19 2015

June 16, 2015

**RECEIVED** 

New Mexico Oil Conservation Division Dist 2 811 S First St. Artesia, New Mexico 88210

> Leak located at referenced Legal Description: Section: 32, Township: 16S, Range: 30E EDDY County, NEW MEXICO Centurion Leak Number CP55079918

Attached for further handling, is the NMC141 pertaining to the leak that occurred on 6/2/15 in, Section: 32, Township: 16S, 30E. Any correspondence regarding this leak needs to be directed to Centurion Pipeline L.P.; P.O. Box 51790; Midland, T. 79710; Phone (432) 686-1482 or Fax (432) 686-1425.

If further information is required, please advise.

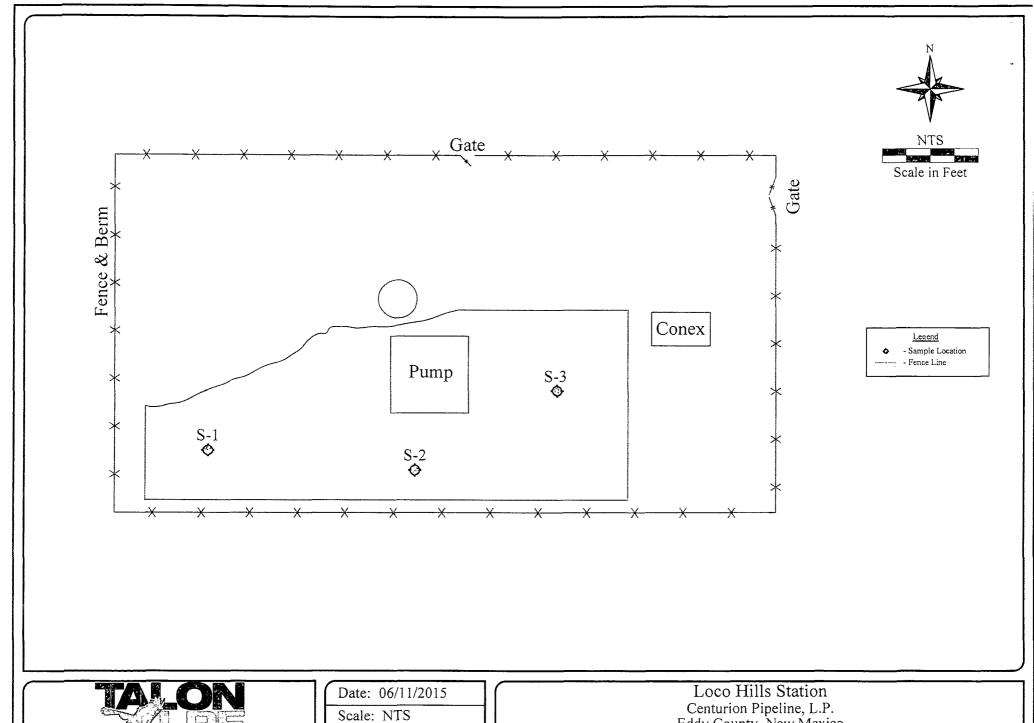
Sincerely,

REBECCA MOORE

**ENVIRONMENTAL ADVISOR** 

432-686-6805

Attachments



Drawn By: TJS

Centurion Pipeline, L.P. Eddy County, New Mexico Figure 1 - Site Plan



June 04, 2015

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

**RE: LOCO HILLS STATION** 

Enclosed are the results of analyses for samples received by the laboratory on 06/03/15 13:50.

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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> 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.

Celeg 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



TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

06/03/2015

Reported:

06/04/2015

Project Name:

LOCO HILLS STATION

Project Number: Project Location: 701242.047.01 CENTURION Sampling Date:

06/02/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-1 0.5' (H501423-01)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	375	5.00	06/04/2015	ND	2.28	114	2.00	2.00	
Toluene*	1030	5.00	06/04/2015	ND	2.04	102	2.00	2.19	
Ethylbenzene*	460	5.00	06/04/2015	ND	2.00	100	2.00	2.25	
Total Xylenes*	475	15.0	06/04/2015	ND	5.85	97.5	6.00	2.69	
Total BTEX	2340	30.0	06/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIE	117 9	61-154	1						
Chloride, SM4500Cl-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	06/04/2015	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	88	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	13600	200	06/03/2015	ND	179	89.4	200	3.01	
DRO >C10-C28	36500	200	06/03/2015	ND	189	94.5	200	0.510	
Surrogate: 1-Chlorooctane	415 %	6 47.2-15	7		***************************************				
Surrogate: 1-Chlorooctadecane	844 9	52.1-17	6						

# Cardinal Laboratories

\*=Accredited Analyte

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aly & Kenne



TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

06/03/2015

Reported:

06/04/2015

Project Name:

LOCO HILLS STATION

Project Number: Project Location: 701242.047.01

CENTURION

Sampling Date:

Sample Received By:

Sampling Type:

06/02/2015

Soil

Sampling Condition:

Cool & Intact

Jodi Henson

Sample ID: S-1 1' (H501423-02)

BTEX 8021B	mg/kg		Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.418	0.050	06/04/2015	ND	2.28	114	2.00	2.00	
Toluene*	0.377	0.050	06/04/2015	ND	2.04	102	2.00	2.19	
Ethylbenzene*	0.089	0.050	06/04/2015	ND	2.00	100	2.00	2.25	
Total Xylenes*	<0.150	0.150	06/04/2015	ND	5.85	97.5	6.00	2.69	
Total BTEX	0.884	0.300	06/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIE	104 5	% 61-154							
Chloride, SM4500Cl-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	06/04/2015	ND	400	100	400	3.92	
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	12.1	10.0	06/03/2015	ND	179	89.4	200	3.01	
DRO >C10-C28	<10.0	10.0	06/03/2015	ND	189	94.5	200	0.510	
Surrogate: 1-Chlorooctane	108 9	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	134 9	% 52.1-17	6						

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\*=Accredited Analyte

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TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

DRO >C10-C28

06/03/2015

Reported:

06/04/2015

Project Name:

LOCO HILLS STATION

Project Number: Project Location: 701242.047.01 CENTURION Sampling Date: Sampling Type: 06/02/2015

Soil

True Value QC

200

Sampling Condition: Sample Received By:

BS

% Recovery

94.5

189

Cool & Intact Jodi Henson

RPD

0.510

Qualifier

Sample ID: S-1 2' (H501423-03)

BTEX 8021B	mg/	/kg	Analyze	zed By: MS		
Analyte	Result	Reporting Limit	Analyzed	Method Blank		
Benzene*	< 0.050	0.050	06/04/2015	ND		

•						-	-		-
Benzene*	<0.050	0.050	06/04/2015	ND	2.28	114	2.00	2.00	
Toluene*	<0.050	0.050	06/04/2015	ND	2.04	102	2.00	2.19	
Ethylbenzene*	<0.050	0.050	06/04/2015	ND	2.00	100	2.00	2.25	
Total Xylenes*	< 0.150	0.150	06/04/2015	ND	5.85	97.5	6.00	2.69	
Total BTEX	<0.300	0.300	06/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL	108	% 61-15	į.						
Chloride, SM4500CI-B	mg/kg		Analyzed By: HM			·····			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/04/2015	ND	400	100	400	3.92	
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	06/03/2015	ND	179	89.4	200	3.01	

ND

06/03/2015

 Surrogate: 1-Chlorooctane
 113 %
 47.2-157

 Surrogate: 1-Chlorooctadecane
 135 %
 52.1-176

<10.0

10.0

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Celly to Keene



TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

06/03/2015

Reported:

06/04/2015

Project Name:

LOCO HILLS STATION

Project Number: Project Location:

701242.047.01 CENTURION Sampling Date:

06/02/2015

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Jodi Henson

Sample ID: S-2 0.5' (H501423-04)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	297	10.0	06/04/2015	ND	2.28	114	2.00	2.00	
Toluene*	1200	10.0	06/04/2015	ND	2.04	102	2.00	2.19	
Ethylbenzene*	503	10.0	06/04/2015	ND	2.00	100	2.00	2,25	
Total Xylenes*	503	30.0	06/04/2015	ND	5.85	97.5	6.00	2.69	
Total BTEX	2500	60.0	06/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIE	111 9	% 61-154	1						
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	06/04/2015	ND	400	100	400	3.92	
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	14300	200	06/03/2015	ND	179	89.4	200	3.01	
DRO >C10-C28	32600	200	06/03/2015	ND	189	94.5	200	0.510	
Surrogate: 1-Chlorooctane	562 5	% 47.2-15	7			<u> </u>			
Surrogate: 1-Chlorooctadecane	764	% 52.1-17	6						

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Celey & Keine



TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received: Reported:

06/03/2015

06/04/2015

Project Name:

LOCO HILLS STATION

Project Number: Project Location:

701242.047.01 CENTURION Sampling Date:

06/02/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

## Sample ID: S-2 1' (H501423-05)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.488	0.050	06/04/2015	ND	2.28	114	2.00	2.00	
Toluene*	0.632	0.050	06/04/2015	ND	2.04	102	2.00	2.19	
Ethylbenzene*	0.147	0.050	06/04/2015	ND	2.00	100	2.00	2.25	
Total Xylenes*	< 0.150	0.150	06/04/2015	ND	5.85	97.5	6.00	2.69	
Total BTEX	1.27	0.300	06/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIE	1049	6 61-154							
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	06/04/2015	ND	400	100	400	3.92	
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	13.1	10.0	06/03/2015	ND	179	89.4	200	3.01	
DRO >C10-C28	<10.0	10.0	06/03/2015	ND	189	94.5	200	0.510	
Surrogate: 1-Chlorooctane	104 %	6 47.2-15	7						
Surrogate: 1-Chlorooctadecane	127 %	6 52.1-17	6						

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Clay Externe



TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received: Reported: 06/03/2015

06/04/2015

LOCO HILLS STATION

Project Name: Project Number:

701242.047.01

Project Location:

CENTURION

Sampling Date:

06/02/2015

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact Jodi Henson

30

Sample ID: S-2 2' (H501423-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS		<u></u>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.061	0.050	06/04/2015	ND	2.28	114	2.00	2.00	
Toluene*	0.062	0.050	06/04/2015	ND	2.04	102	2.00	2.19	
Ethylbenzene*	<0.050	0.050	06/04/2015	ND	2.00	100	2.00	2.25	
Total Xylenes*	< 0.150	0.150	06/04/2015	ND	5.85	97.5	6.00	2.69	
Total BTEX	<0.300	0.300	06/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIE	108 9	61-154	1						
Chloride, SM4500Cl-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	06/04/2015	ND	400	100	400	3.92	
ТРН 8015М	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	06/03/2015	ND	179	89.4	200	3.01	
DRO >C10-C28	<10.0	10.0	06/03/2015	ND	189	94.5	200	0.510	
Surrogate: 1-Chlorooctane	105 5	6 47.2-15	7				***************************************		1
Surrogate: 1-Chlorooctadecane	127 9	6 52.1-17	6						

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\*=Accredited Analyte

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aleg & Kenne



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

Fax To:

Received: 06/03/2015 Reported: 06/04/2015

Project Name: LOCO HILLS STATION

Project Number: 701242.047.01

Project Location: CENTURION

Sampling Date:

06/02/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-3 0.5' (H501423-07)

BTEX 8021B	mg/kg		Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	66.1	2.00	06/04/2015	ND	2.28	114	2.00	2.00	
Toluene*	257	2.00	06/04/2015	ND	2.04	102	2.00	2.19	
Ethylbenzene*	112	2.00	06/04/2015	ND	2.00	100	2.00	2.25	
Total Xylenes*	113	6.00	06/04/2015	ND	5.85	97.5	6.00	2.69	
Total BTEX	548	12.0	06/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	1149	61-154						***************************************	-
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	06/04/2015	ND	400	100	400	3.92	
ТРН 8015М	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	3350	100	06/03/2015	ND	179	89.4	200	3.01	
DRO >C10-C28	6050	100	06/03/2015	ND	189	94.5	200	0.510	
Surrogate: 1-Chlorooctane	233 9	6 47.2-15	7				777.4.20		
Surrogate: 1-Chlorooctadecane	204 9	6 52.1-17	6						

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\*=Accredited Analyte

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Celeg & Keine



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

Received:

06/03/2015

Reported:

06/04/2015

Project Name:

LOCO HILLS STATION

Project Number: Project Location:

701242.047.01 CENTURION Sampling Date:

06/02/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-3 1' (H501423-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.273	0.050	06/04/2015	ND	2.28	114	2.00	2.00	
Toluene*	0.336	0.050	06/04/2015	ND	2.04	102	2.00	2.19	
Ethylbenzene*	0.077	0.050	06/04/2015	ND	2.00	100	2.00	2.25	
Total Xylenes*	<0.150	0.150	06/04/2015	ND	5.85	97.5	6.00	2.69	
Total BTEX	0.685	0.300	06/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIE	108 9	% 61-154	1		·				
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/04/2015	ND	400	100	400	3.92	
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	15.9	10.0	06/03/2015	ND	179	89.4	200	3.01	
DRO >C10-C28	<10.0	. 10.0	06/03/2015	ND	189	94.5	200	0.510	
Surrogate: 1-Chlorooctane	109 9	6 47,2-15	7						
Surrogate: 1-Chlorooctadecane	131 9	6 52.1-17	6						

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\*=Accredited Analyte

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Celeg D. Kune



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

Received:

06/03/2015

Reported:

06/04/2015

Project Name:

LOCO HILLS STATION

Project Number:

701242.047.01

Project Location:

CENTURION

Sampling Date:

06/02/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

Sample ID: S-3 2' (H501423-09)

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	06/04/2015	ND	2.28	114	2.00	2.00	
Toluene*	<0.050	0.050	06/04/2015	ND	2.04	102	2.00	2.19	
Ethylbenzene*	<0.050	0.050	06/04/2015	ND	2.00	100	2.00	2,25	
Total Xylenes*	<0.150	0.150	06/04/2015	ND	5.85	97.5	6.00	2,69	
Total BTEX	<0.300	0.300	06/04/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIE	109 9	% 61-154							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/04/2015	ND	400	100	400	3.92	
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	06/03/2015	ND	179	89.4	200	3.01	
DRO >C10-C28	<10.0	10.0	06/03/2015	ND	189	94.5	200	0.510	
Surrogate: 1-Chlorooctane	109 9	% 47.2-157	,						
Surrogate: 1-Chlorooctadecane	128 9	% 52.1-176	í						

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\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's habity and clent's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by chent for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed valved 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 relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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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

Cardinal Laboratories \*=Accredited Analyte

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(373) 333-2320 1 AX (373) 333-2470	
Company Name: Talon/LPE	ANALYSIS REQUEST
Project Manager: Sheldon Hitchcock	P.O. #:
Address: 408 W. Texas Ave.	Company: Talon/LPE
city: Artesia State: NM zip: 88210	Attn:
Phone #: 575-746-8768 Fax #: 575-746-8905	Address:
Project #: 70/242,047,01 Project Owner: Centurion	City:
Project Name: Loco Hills Station	State: Zip:
Project Location:	Phone #:
Sampler Name: Sheldon Hitchcock	Fax #:
FOR LABIUSE ONLY MATRIX	PRESERV. SAMPLING
Tab I.D. Containers  GROUNDWATER WASTEWATER SOIL SUUDGE	ACIDIBASE: OTHER: OTHER: TPH BTEX Chlorides
15-10.5	6/2/15/8:34
25-11	1 1/1 ( 191.76 / )
3 5-1 7 ( 6 1 1/1	8:38
45-20.5	8:40
5 4-2 1', 61 /	// ( 9:43 / /
63-22	K:45
75-30.5	1 1/1 18:47
85-31"	8:48
9 5-3 2	8:49
PLEASE NOTE: Liabitity and Damages, Cardinats bability and clerifs evolutive remedy for any daim arising whether based in contract analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made it writing an	

simules or educations arising out or or remited to the period and	OF BEITFICES INCIGATION OF C	artification for the state of t	Terry or the Books Maries is	MANAGE OF CONTRACT				
Relinquished By:	Date:	Received By:		Phone Result:	☐ Yes	□ No	Add'l Phone #:	
	16-3-15	1_1		Fax Result:	☐ Yes	□ No	Add'l Fax #:	
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1	Time:			1	- 1 \			
Delivered By: (Circle One)			CHECKED BY:					
		44D Cool Intact	(Initials)					
Sampler - UPS - Bus - Other:			TAV					
<u></u>			<del>```</del>					

<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to (575) 3902326



June 10, 2015

SHELDON HITCHCOCK

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: LOCO HILLS STATION

Enclosed are the results of analyses for samples received by the laboratory on 06/09/15 16:50.

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 <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> 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 & 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



TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

06/09/2015

Reported:

06/10/2015

Project Name:

LOCO HILLS STATION

Project Number: Project Location: 701242.047.01 CENTURION

Sampling Date:

06/09/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

### Sample ID: S-1 1' (H501480-01)

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	06/10/2015	ND	2.00	100	2.00	0.157	
Toluene*	< 0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.324	
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.11	105	2.00	0.117	
Total Xylenes*	<0.150	0.150	06/10/2015	ND	5.78	96.3	6.00	0.608	
Total BTEX	<0.300	0.300	06/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIE	108 % 61-154		1						
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	06/09/2015	ND	182	91.2	200	1.35	
DRO >C10-C28	<10.0	10.0	06/09/2015	ND	194	97.2	200	1.68	
Surrogate: 1-Chlorooctane	93.7	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	115	% 52.1-17	6						

#### Cardinal Laboratories

\*=Accredited Analyte

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TALON LPE SHELDON HITCHCOCK 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To: (575) 745-8905

Received:

06/09/2015

Reported:

06/10/2015

Project Name:

LOCO HILLS STATION

Project Number: Project Location:

701242.047.01 CENTURION Sampling Date:

06/09/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

## Sample ID: S-2 1' (H501480-02)

BTEX 8021B	mg,	/kg	Analyze	d By: MS			·		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.157	
Toluene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.324	
Ethylbenzene*	<0.050	0.050	06/10/2015	ND	2.11	105	2.00	0.117	
Total Xylenes*	<0.150	0.150	06/10/2015	ND	5.78	96.3	6.00	0.608	
Total BTEX	<0.300	0.300	06/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109 % 61-15-		1						
TPH 8015M	mg,	'kg	Analyze	d By: MS	7.1				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	06/09/2015	ND	182	91.2	200	1.35	
DRO >C10-C28	<10.0	10.0	06/09/2015	ND	194	97.2	200	1.68	
Surrogate: 1-Chlorooctane	87.4	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	107	% 52.1-17	6						

Cardinal Laboratories \*=Accredited Analyte

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

06/09/2015

Reported: 06/10/2015

Project Name: LOCO HILLS STATION

Project Number: 701242.047.01

Project Location: CENTURION

Sampling Date:

06/09/2015

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Jodi Henson

#### Sample ID: S-3 1' (H501480-03)

Received:

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	06/10/2015	ND	2.00	100	2.00	0.157	
Toluene*	<0.050	0.050	06/10/2015	ND	2.00	100	2.00	0.324	
Ethylbenzene*	< 0.050	0.050	06/10/2015	ND	2.11	105	2.00	0.117	
Total Xylenes*	<0.150	0.150	06/10/2015	ND	5.78	96.3	6.00	0.608	
Total BTEX	<0.300	0.300	06/10/2015	ND					
Surrogate: 4-Bromofluorobenzene (PIL	109	% 61-15-	1						
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	06/09/2015	ND	182	91.2	200	1.35	
DRO >C10-C28	<10.0	10.0	06/09/2015	ND	194	97.2	200	1.68	
Surrogate: 1-Chlorooctane	96.8	% 47.2-15	7						
Surrogate: 1-Chlorooctadecane	117 9	% 52.1-17	6						

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## **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 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

Cardinal Laboratories \*=Accredited Analyte

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Celey & Keene



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Project Manage	r. Sheldon Hitchco	ock						P.O. #:																	
Address: 408	W. Texas Ave.							Cr	Company: Talon/LPE				PE												ı <b>İ</b>
city: Artesia		State: NM	Zip:	: 88	3210	!		At	ttn:															}	,
Phone #: 575	-746-8768 F	Fax #: 575-7	46	-89	<del>3</del> 05			A	ddres	ss:														-	.
Project #: 701	1242.047.01 P	Project Owner:	≟C€	ent	urior	<b>1</b>		Ci	ity:	<u>-</u>												i		, ,	. 1
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Project Location	n:							Pł	hone	#:														, 1	
	Sheldon Hitchcock			<u>.</u>				Fa	ax #:															.	
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<sup>†</sup> Cardinal cannot accept verbal changes. Please fax written changes to (575) 393/2326