APPROVED

By Olivia Yu at 7:35 am, Mar 08, 2018

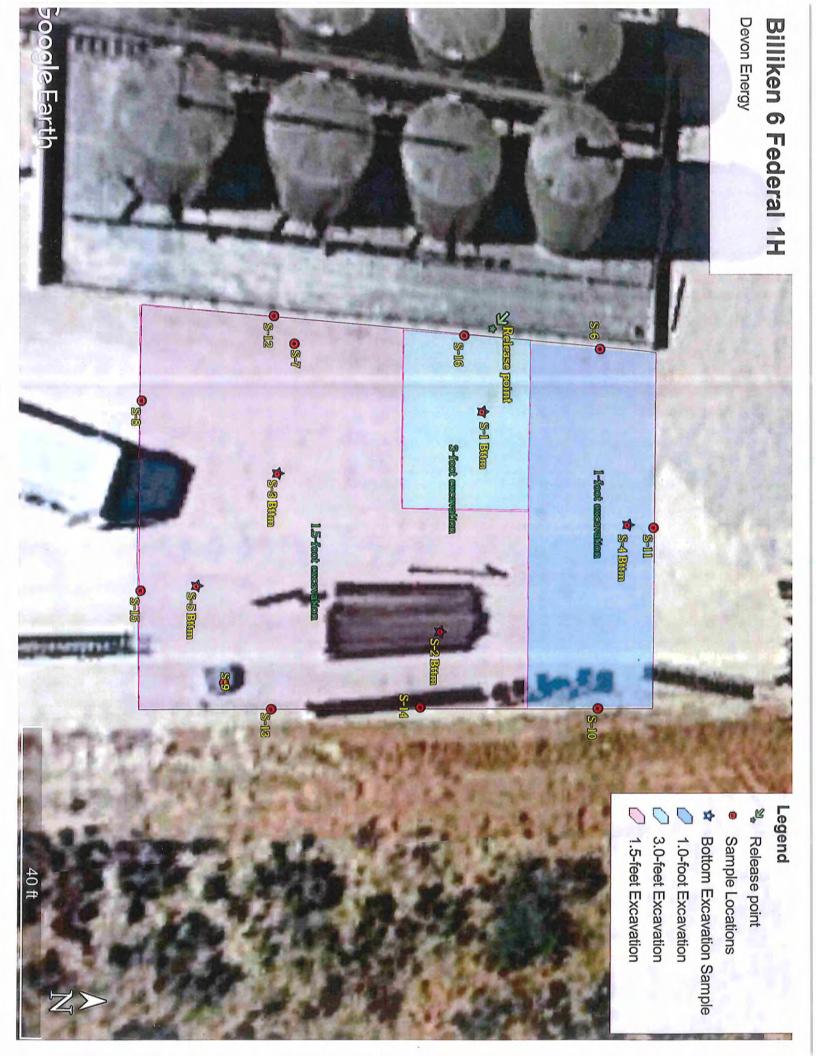
NMOCD grants backfill approval to 1RP-4761.

Subject:

Devon Energy Billiken 6 Federal CTB

Sample ID	GPS Coordinate	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH (mg/kg) GRO	TPH (mg/kg) DRO	TPH (mg/kg) EXT DRO
S-1	32.065862 -103.413820	2.5	-	3200	-		
S-1		3.0	< 0.300	272	<10	<10	<10
S-2	32.065847 -103.413717	1.5		32		-	
S-3	32.065780 -103.413788	1.5	<0.300	32	<10	<10	<10
S-4	32.065930 -103.413768		-	-	77	77	
S-5	32.065750 -103.413739	1.5		64	-	17	-
S-6	32.065914 -103.413853	NW Sidewall		16			
S-7	32.065784 -103.413845	Sidewall		1880			-
S-8	32.065729 -103.413816	SW Sidewall	< 0.300	16	<10	<10	<10
S-9	32.065761 -103.413696	Sidewall		1090			
S-10	32.065917 -103.413678	NE Sidewall	7	32	-	-	-
S-11	32.065835 -103.413770	N Sidewall	< 0.300	16	<10	<10	<10
S-12	32.065776 -103.413856	W Sidewall	<0.300	464	<10	<10	<10
S-13	32.065779 -103.413684	E Sidewall	< 0.300	64	<10	<10	<10
S-14	32.065839 -103.413682	E Sidewall		128	-		
S-15	32.065730 -103.413736	SE Sidewall	+-	192	-		
S-16	32.065853 -103.413854	W Sidewall		512	7-		

⁻⁻Analyte Not Tested





February 09, 2018

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BILLIKEN CTB

Enclosed are the results of analyses for samples received by the laboratory on 02/09/18 11:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is 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)

Celeg & Keene

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Received:

02/09/2018

Reported: Project Name: 02/09/2018 BILLIKEN CTB

Project Number:

700348.418.01

Project Location:

ENTERPRISE-LEA COUNTY

Sampling Date:

02/09/2018

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: S-1 2.5' (H800424-01)

Chlorida	SM4500Cl-R

mg/kg

Analyzed By: AC

Analyte	
Analyte	

Result

3200

Result

32.0

Result

32,0

Result

64.0

Reporting Limit 16.0

Reporting Limit

16.0

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed 02/09/2018 Method Blank NΠ

ND

432

% Recovery 108

True Value QC 400

RPD

3.77

RPD

3.77

Qualifier

Sample ID: S-2 1.5' (H800424-02)

Chloride,	SM4500CI-B

m	g/	kg	

Analyzed By: AC

Analyzed

Method Blank BS

% Recovery

True Value QC

Qualifier

Chloride

Chloride

02/09/2018

432

8S

432

108

400

Sample ID: S-3 1.5' (H800424-03)

Chloride, SM4500Cl-B

Analyte

Analyte

Analyte

mg/kg

Analyzed By: AC

Analyzed

02/09/2018

Method Blank

ND

% Recovery

True Value QC

400

RPD 3,77 Qualifier

Chloride

Chloride

Sample ID: S-5 1.5' (H800424-04)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyzed	
02/09/2018	

Method Blank ND

BS 432 % Recovery 108

108

True Value QC 400

RPD 3.77 Qualifier

Cardinal Laboratories

*=Accredited Analyte

All claims, including those for negligence and 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. arry other cause whatsoever shall be deemed walved 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 Cardinel, 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.

Celeg D. Kreine



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

Fax To:

: (575) 745-8905

Received:

02/09/2018

Sampling Date:

02/09/2018

Reported:

02/09/2018

Sampling Type:

Soil

Reported.

BILLIKEN CTB

Sampling Condition:

Cool & Intact

Project Name: Project Number:

700348.418.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE-LEA COUNTY

Sample ID: S-6 SIDEWALL (H800424-05)

Chloride, Siri-300Cl B	e, SM4500Cl-B mg/kg			Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/09/2018	ND	432	108	400	3.77	
Sample ID: S-7 SIDEWALI	L (H800424-0	06)							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	02/09/2018	ND	432	108	400	3.77	
Sample ID: S-8 SIDEWALI	L (H800424-0	07)							
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/09/2018	ND	432	108	400	3.77	
Sample ID: S-9 SIDEWALI	L (H800424-0	08)							
Sample ID: S-9 SIDEWALI	•)8) /kg	Analyze	d By: AC					
•	•	•	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride, SM4500Cl-B	mg	/kg			BS 432	% Recovery	True Value QC 400	RPD 3.77	Qualifier
Chloride, SM4500Cl-B Analyte	Result	Reporting Limit	Analyzed	Method Blank		•			Qualifier
Chloride, SM4500Cl-B Analyte Chloride	mg Result 1090 LL (H800424	Reporting Limit	Analyzed 02/09/2018	Method Blank		•			Qualifier
Analyte Chloride Sample ID: S-10 SIDEWA	mg Result 1090 LL (H800424	Reporting Limit 16.0	Analyzed 02/09/2018	Method Blank ND		•			Qualifier

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Uability 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 whatsoever shall be deemed waked 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.

Celeg D. Keine



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

Received:

02/09/2018

Sampling Date:

02/09/2018

Reported:

02/09/2018

Sampling Type:

Soil

Project Name:

BILLIKEN CTB

Sampling Condition:

Cool & Intact

Project Number:

700348.418.01

Sample Received By:

Tamara Oldaker

Project Location:

ENTERPRISE-LEA COUNTY

Sample ID: S-11 SIDEWALL (H800424-10)

Chloride, SM4500CI-B	mg	/kg	Anaiyze	а ву: АС					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/09/2018	ND	432	108	400	3.77	

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 whatsoever 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 topon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in flut with written approval of Cardinal Liaboratories.

Celeg & Keine



Notes and Definitions

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

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Uability and Damages. Cardinal's flability 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 whatsoever 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 incourred by client, its subditaines, 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.

Celeg & Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: 70/00/00/00/00/00/00/00/00/00/00/00/00/0				ANALYSIS REQUEST
Project Manager: K W//Co//	P.O. #:			
Address: 408 W. Takes Clife	Company:	Talon LPF		
City: Christic State: NM Zip: 8				
Phone #: 575-616-1020 Fax #:	Address:			
Project #: 100 348. 3/18. 1 Project Owner &	City:		•	
Project Name: 13/1/16/17 CTB	State:	Zip:		
Project Location: All Court	Phone #:	7	<u> </u>	
Sampler Name: [[]	Fax #:			
FOR LABIUSE ONLY	MATRIX PRESERV.	RV. SAMPLING		
R (C)OMP.	NERS VATER ATER		1162	
H516424	# CONT, GROUN WASTEN SOIL DIL SLUDGE DTHER ACID/BA	DATE TIME		
1 51 25 6		D9.15 0630 \		
7 62 65		2590		
A 277 /2,		9230		
51 8.5 1		6530		
5.6 5.de wall		2430		
6 5.7 Sidwall,		5/40		
1 5.8 5 Johnson		81.99		
8 5.9 5, bruell		1590	and the second s	
9 510 Gide world		1580		
10 511 5 de call		0657		
PLEASE NOTE: Liability and Damages. Cardinal's lability and client's exclusive remody for any daim 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.	aim ansing whether based in contract or tort, shall be an ad waived unless made in writing and received by Card	isted to the amount paid by the client for the inal within 30 days after completion of the ab	polices in	

service. In ne 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 subsidiaries, affiliates or successors arising out of or related to the perforpance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise

property and the second			-		900000	-
Sampler - UPS	Delivered B		Relinquished By:	Harr	ĺ	Relinquished By
Sampler - UPS - Bus - Other.	Delivered By: (Circle One)		3y: *	- Lewal		
Porrection	20.00	Time:	Date:	Time:	1 4.4.70	Cated Date:
Cool Intact	Sample Condition		Received By:	Chamara o		Received By:
(Initials)	유			Markey 1) " '
	4			REMARKS:	Fax Result:	Phone Result:
	2	こ ハ	13		□ Yes	☐ Yes
	7		\		□ No	□ No
			-		Add'l Fax #:	Add'l Phone #:

[†] Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



February 16, 2018

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BILLIKEN CTB

Enclosed are the results of analyses for samples received by the laboratory on 02/13/18 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is 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. Keens

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 KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To: (575) 745-8905

Received:

02/13/2018

Reported:

02/16/2018

Project Name: Project Number: BILLIKEN CTB 700794,233,01

Project Location:

Analyte

DEVON-LEA COUNTY

Sampling Date:

02/12/2018

Sampling Type:

BS

416

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

Sample ID: S-12 (H800450-01)

Chloride, SM4500Cl-B

Chloride

Chloride

mg/kg

Result

464

Result

64.0

Reporting Limit

16.0

Reporting Limit

16.0

Analyzed By: AC

Analyzed

02/15/2018

Analyzed

02/15/2018

Method Blank

% Recovery 104

True Value QC 400

RPD

0.00

Sample ID: S-13 (H800450-02)

Chloride, SM4500CI-B

Analyte

mg/kg

Analyzed By: AC

Method Blank

ND

ND

BS

416

% Recovery 104

True Value QC 400

RPD 0.00

Qualifier

Qualifier

Cardinal Laboratories

*=Accredited Analyte

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Celley Theen



Notes and Definitions

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

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 whatspewer 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, witingout limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, efficiency or successors arising out of or related to the performance of the services foreunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise, fissates relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg & Keens



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476		ANALYSIS RECIEST
ompany Name: + ()	BILL TO	
10		
	Company: Colon LIL	
	State: MM Zip: 882/0 Attn:	
Phone #: 575. 746: 5768	Fax #: 575746.8905 Address:	
Project # 700794 233.0/	Project Owner: Dellate City:	
Project Name: W. III. Com	State: Zip:	
Olect Manie: 1771/1/2019	Phone #:	
Project Location: of the Location	Fax#:	
Sampler Name: J. Fall -0	MATRIX PRESERV. SAMPLING	
Lab I.D. Sample I.D.	PRAB OR (C)OMP CONTAINERS ROUNDWATER ASTEWATER DIL LUDGE THER: CID/BASE: EE / COOL THER:	
450024	# G G W S S C C S S C	
1 5:14		
2 5/3		

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

4.30

Sample Condition
Cool Intact
Cool Intact
Pres Tres
No No

CHECKED BY: (Initials)

Time:

Relinquished By:

Relinquished By

Time: 1620 Date:

Received By:

Received By:

Phone Result: Fax Result: REMARKS:

□ Yes

No No

Add'l Phone #: Add'l Fax #:



February 20, 2018

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BILLIKEN CTB

Enclosed are the results of analyses for samples received by the laboratory on 02/19/18 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is 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 & 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
DAVID ADKINS
408 W. TEXAS AVE.
ARTESIA NM, 88210
Fax To: (575) 745-8905

Received:

02/19/2018

Reported:

02/20/2018

Project Name: Project Number: BILLIKEN CTB 700794,233.01

Project Location:

DEVON-LEA COUNTY

Sampling Date:

02/15/2018

Sampling Type:

Soil

Sampling Condition:

** (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S-1 3.0' (H800506-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	02/20/2018	ND	416	104	400	3.77	

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Ulability 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 claims 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.

Celey D. Keene



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

Cardinal Laboratories

*=Accredited Analyte

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Celeg & Kune



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
Address: 408 W. Texas Ave.	company: Talon/LPE	
	Attn:	
Phone #: 575-746-8768 Fax #: 575-746-8905	Addresst	
Project #: 700794, 233.0 / Project Owner: Melon	CityC	
ame: Relli	State: Zip:	
200	Phone #:	
Miles !	Fax#:	
	RIX PRESERVI SAMPLING	
(C)OMP. RS	100	
CONTAIN CONTAI	DIL SLUDGE DTHER: AGID/BASI CE/COO DTHER: DATE TIME	
S-1 3.0'	12/15/14 3:00	
	7	
PLEASE NOTE: Libelity and compared. Capting's libelity and client's exclusive formedy out any eating whether based in contract or test, shall be limited to the anount field by the client for the arriver. All claims in his bidget these formed and other cross what he are standed to the splicable arrayers. All claims in his bidget these for made in writing and reached by Cardinal within 36 days after campallion of the applicable arrayers. All claims in his bidget these formed in a substitution of the contract of the contract by claim is substituted to provide the contract of the contrac	in compaction tein, shall be limited to the amount paid by the cliant for the writing and enabled by Cardinal Within 33 disys after camplelfied of the applicable traphose, laces of use, or less of profile freumed by client, it is subdictation, make also be charted by the profile about the subdictation.	•
afflittet er etreestrie skring och of er reletet te the neckemene of terylees behebner by Challen, regeness of Whenes state shall be used their transfer by Resident states and shall be used their transfer by Resident states and shall be used their transfer by Resident states and shall be used their transfer by Resident states and shall be used to be	Ţes	口 No Add'l Phone等:
S. J.	□ Yes	No
K7		

Sampler - UPS - Bus - Other:

[†] Cardinal cannot accept verbal changes, Please fax written changes to (575) 393-2326



March 06, 2018

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BILLIKEN 6 FEDEERAL #1

Enclosed are the results of analyses for samples received by the laboratory on 03/01/18 9:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-10. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accred certif.html.

Cardinal Laboratories is 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



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

Received: Reported: 03/01/2018

03/06/2018

BILLIKEN 6 FEDEERAL #1

Project Number:

Project Name:

Project Location:

700794,225,01

DEVON - LEA CO NM 1RP-4761

Sampling Date:

Sampling Type:

02/28/2018

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: S-1 3.0' BHM (H800605-01)

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	03/05/2018	ND	2.02	101	2.00	1.95	
Toluene*	<0.050	0.050	03/05/2018	ND	2.03	101	2.00	0.968	
Ethylbenzene*	<0.050	0.050	03/05/2018	ND	2.06	103	2.00	0.549	
Total Xylenes*	<0.150	0.150	03/05/2018	ND	6.00	100	6.00	0.589	
Total BTEX	<0.300	0.300	03/05/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	116 %	6 72-148							
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	03/02/2018	ND	211	105	200	5.86	
DRO >C10-C28*	<10.0	10.0	03/02/2018	ND	206	103	200	3.94	
EXT DRO >C28-C36	<10.0	10.0	03/02/2018	ND					
Surrogate: 1-Chlorooctane	98.0 9	% 41-142							
Surrogate: 1-Chlorooctadecane	88.8 9	% 37.6-14	7						

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Celeg & Keine



TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

o: (575) 745-8905

Received:

03/01/2018

Sampling Date:

02/28/2018

Reported:

03/06/2018

Sampling Type:

Soil

Project Name:

BILLIKEN 6 FEDEERAL #1

Sampling Condition:

Cool & Intact

Project Number:

700794.225.01

Sample Received By:

Tamara Oldaker

Project Location:

DEVON - LEA CO NM 1RP-4761

Sample ID: S-3 1.5' BHM (H800605-02)

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	03/05/2018 ND		2.02	101	2.00	1.95	
Toluene*	<0.050	0.050	03/05/2018	03/05/2018 ND		101	2.00	0.968	
Ethylbenzene*	<0.050	0.050	03/05/2018	ND	2.06	103	2.00	0.549	
Total Xylenes*	<0.150	0.150	03/05/2018	ND	6.00	100	6.00	0.589	
Total BTEX	<0.300	0.300	03/05/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	117 9	% 72-148	1						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True V alue QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/02/2018	ND	211	105	200	5.86	
DRO >C10-C28*	<10.0	10.0	03/02/2018	ND	206	103	200	3.94	
EXT DRO >C28-C36	<10.0	10.0	03/02/2018	ND					
Surrogate: 1-Chlorooctane	91.7	% 41-142	•						
Surrogate: 1-Chlorooctadecane	83.1 % 37.6-147		7						

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Received: Reported:

03/01/2018

03/06/2018

Project Name: Project Number: BILLIKEN 6 FEDEERAL #1

Project Location:

700794,225.01

DEVON - LEA CO NM 1RP-4761

Sampling Date:

02/28/2018

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

Sample ID: S-8 SW SIDEWALL (H800605-03)

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	03/05/2018 ND		2.02	101	2,00	1.95	
Toluene*	<0.050	0.050	03/05/2018	ND	2.03	101	2.00	0.968	
Ethylbenzene*	<0.050	0,050	03/05/2018	ND	2.06	103	2.00	0.549	
Total Xylenes*	<0.150	0.150	03/05/2018	ND	6.00	100	6.00	0.589	
Total BTEX	<0.300	0,300	03/05/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	119 9	6 72-148							
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	03/02/2018	ND	211	105	200	5.86	
DRO >C10-C28*	<10.0	10.0	03/02/2018	ND	206	103	200	3.94	
EXT DRO >C28-C36	<10.0	10.0	03/02/2018	ND					
Surrogate: 1-Chlorooctane	101 9	% 41-142	I						
Surrogate: 1-Chlorooctadecane	89.8 % 37.6-147		7						

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

Received: Reported: 03/01/2018

03/06/2018

BILLIKEN 6 FEDEERAL #1

Project Name: Project Number:

700794.225.01

Project Location:

DEVON - LEA CO NM 1RP-4761

Sampling Date:

Sampling Type: Sampling Condition:

Sample Received By:

02/28/2018 Soil

Cool & Intact

Tamara Oldaker

Sample ID: S-11 N. SIDEWALL (H800605-04)

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	03/05/2018 ND		2.02	101	2.00	1.95	
Toluene*	<0.050	0.050	03/05/2018	3/05/2018 ND		101	2.00	0.968	
Ethylbenzene*	<0.050	<0.050 0.050		ND	2.06	103	2.00	0.549	
Total Xylenes*	<0.150	0.150	03/05/2018	ND	6.00	100	6.00	0.589	
Total BTEX	<0.300	0.300	03/05/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	120 5	% 72-148							
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	03/02/2018	ND	211	105	200	5.86	
DRO >C10-C28*	<10.0	10.0	03/02/2018	ND	206	103	200	3.94	
EXT DRO >C28-C36	<10.0	10.0	03/02/2018	ND					
Surrogate: 1-Chlorooctane	96.2	% 41-142							
Surrogate: 1-Chlorooctadecane	84.8 % 37.6-147		,						

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

Received:

03/01/2018

Sampling Date:

02/28/2018

Reported:

03/06/2018

Sampling Type:

Soil

Project Name:

BILLIKEN 6 FEDEERAL #1

Sampling Condition:

Cool & Intact

Project Number:

700794.225.01

Sample Received By:

Tamara Oldaker

Project Location:

DEVON - LEA CO NM 1RP-4761

Sample ID: S-12 W. SIDEWALL SW CORNER (H800605-05)

91	kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	03/05/2018	ND	2.02	101	2.00	1.95	
<0.050	0.050	03/05/2018	ND	2.03	101	2.00	0.968	
<0.050	0.050	03/05/2018	ND	2.06	103	2.00	0.549	
<0.150	0.150	03/05/2018	ND	6.00	100	6.00	0.589	
<0.300	0.300	03/05/2018	ND					
117 9	6 72-148							
mg/	mg/kg		d By: MS		To Francisco			
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	03/02/2018	ND	211	105	200	5.86	
<10.0	10.0	03/02/2018	ND	206	103	200	3,94	
<10.0	10.0	03/02/2018	ND					
94.79	% 41-142							
_	<0.050 <0.050 <0.050 <0.150 <0.300 117 9 mg/ Result <10.0 <10.0	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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

Received:

03/01/2018

Sampling Date:

02/28/2018

Reported:

03/06/2018

Sampling Type:

Soil

Project Name:

BILLIKEN 6 FEDEERAL #1

Sampling Condition:

Cool & Intact

Project Number:

700794,225.01

Sample Received By:

Tamara Oldaker

Project Location:

DEVON - LEA CO NM 1RP-4761

Sample ID: S-13 E. SIDEWALL SE CORNER (H800605-06)

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	03/05/2018 ND		2.02	101	2.00	1.95	
Toluene*	<0.050	0.050	03/05/2018	ND	2.03	101	2.00	0.968	
Ethylbenzene*	<0.050	0.050	03/05/2018	ND	2,06	103	2.00	0.549	
Total Xylenes*	<0.150	0.150	03/05/2018	ND	6.00	100	6.00	0.589	
Total BTEX	<0.300	0.300	03/05/2018	ND					
Surrogate: 4-Bromofluorobenzene (PIL	118 9	% 72-148							
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	03/02/2018	ND	211	105	200	5.86	
DRO >C10-C28*	<10.0	10.0	03/02/2018	ND	206	103	200	3.94	
EXT DRO >C28-C36	<10.0	10.0	03/02/2018	ND					
Surrogate: 1-Chlorooctane	95.2	% 41-142	,						
Surrogate: 1-Chlorooctadecane	83.5 % 37.6-147		7						

Sample ID: S-14 E. SIDEWALL MIDDLE (H800605-07)

Chloride, SM4500Cl-B	oride, SM4500Cl-B mg/kg								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/05/2018	ND	432	108	400	0.00	

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TALON LPE KIMBERLY WILSON 408 W. TEXAS AVE. ARTESIA NM, 88210

Fax To:

(575) 745-8905

Received:

03/01/2018

Sampling Date:

02/28/2018

Reported:

03/06/2018

Sampling Type:

Soil

Project Name:

BILLIKEN 6 FEDEERAL #1

Sampling Condition:

Cool & Intact

Project Number:

700794,225.01

Sample Received By:

Tamara Oldaker

Project Location:

DEVON - LEA CO NM 1RP-4761

Sample ID: S-15 SE. SIDEWALL (H800605-08)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/05/2018	ND	400	100	400	0.00	QM-07, QR-03

Sample ID: S-16 W. SIDEWALL MIDDLE (H800605-09)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	03/05/2018	ND	400	100	400	0.00	

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Notes and Definitions

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

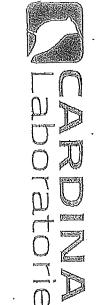
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg & Keens



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

THE CHILD IN	pilcable	15 SE sidewall	S-14 Esidewall middle 1311	SEcomen	land) phis	S-11 Noblewall, 6-1.	S-8 Sw sidewall	25.3 15' BHM 61 / B:02/	1 S-1 3.0' 34m (61) / 2/38/18 7:50 /	(d) RAB COMPAND ASTEM SOIL OTHER: ACID/BAI ICE//COO OTHER: DATE THE THE THE THE THE THE THE THE THE T	WATER 'ATER'	MATRIX PRESERV. SAMPLING	tin Wilson Faxin	on hea Oty 1RP-4761 Phone #	me: Billiker 6 Beleval #1 State: Zip:	:700794.225.01 Project Owner. Delan City:	-746-8768 Fax #: 575-746-8905 Address:	Adelmess: 408 W. Texas Ave. Company: Talon/LPE	Komberlo M. Wilson	Company Name: Talon/LPEANALYSIS REQUEST	to 7007
·												•		•						UEST	