

**APPROVED****By Olivia Yu at 7:35 am, Mar 08, 2018****NMOCD grants  
backfill approval  
to 1RP-4761.**

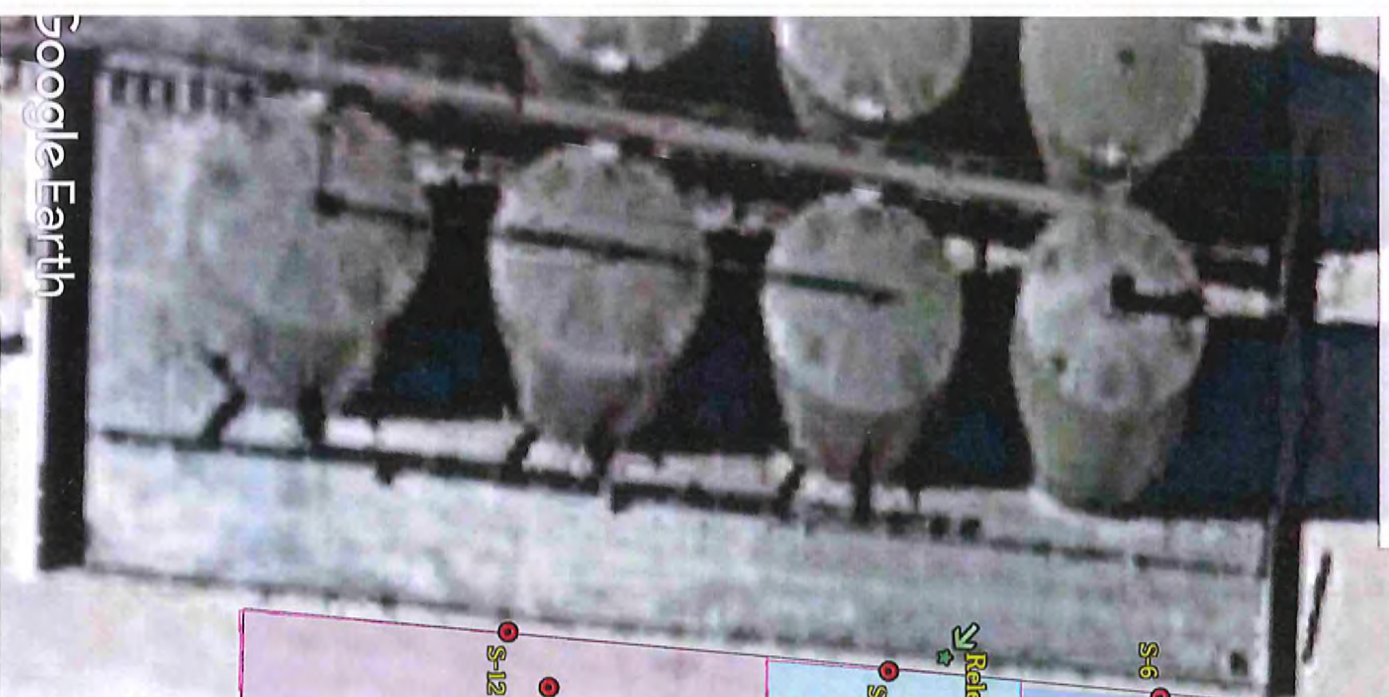
Subject: Devon Energy  
Billiken 6 Federal CTB

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	--	--	--	--	--	--
S-5	32.065750 -103.413739	1.5	--	64	--	--	--
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	--	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	--	--	--

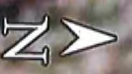
--Analyte Not Tested

# Billiken 6 Federal 1H

Devon Energy



- Legend**
- Release point
  - Sample Locations
  - Bottom Excavation Sample
  - 1.0-foot Excavation
  - 3.0-foot Excavation
  - 1.5-foot Excavation





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

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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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,

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:	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-1 2.5' (H800424-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	02/09/2018	ND	432	108	400	3.77		

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/09/2018	ND	432	108	400	3.77	

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/09/2018	ND	432	108	400	3.77	

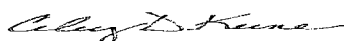
**Sample ID: S-5 1.5' (H800424-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/09/2018	ND	432	108	400	3.77	

Cardinal Laboratories

\*=Accredited Analyte

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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:	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-6 SIDEWALL (H800424-05)**

Chloride, SM4500CI-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 SIDEWALL (H800424-06)**

Chloride, SM4500CI-B		mg/kg		Analyzed 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 SIDEWALL (H800424-07)**

Chloride, SM4500CI-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 SIDEWALL (H800424-08)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	02/09/2018	ND	432	108	400	3.77	

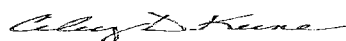
**Sample ID: S-10 SIDEWALL (H800424-09)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/09/2018	ND	432	108	400	3.77	

Cardinal Laboratories

\*=Accredited Analyte

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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: 02/09/2018  
Reported: 02/09/2018  
Project Name: 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-11 SIDEWALL (H800424-10)**

Chloride, SM4500Cl-B

mg/kg

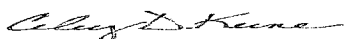
Analyzed By: AC

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	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

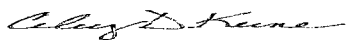
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient 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

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Cardinal Laboratories

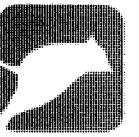
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Celey D. Keene, Lab Director/Quality Manager



# CARDINAL Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Talon LPT</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																									
Project Manager: <u>K. Williams</u>		P.O. #:																											
Address: <u>408 W. Texas Ave</u>		Company: <u>Talon LPT</u>																											
City: <u>Artesia</u>		Attn:																											
Phone #: <u>575-616-1020</u>		Address:																											
Fax #: <u>575-616-1020</u>		City:																											
Project #: <u>100346-418-01</u>		State: <u>NM</u>		Zip:																									
Project Name: <u>Billiken CTS</u>		Project Owner: <u>Enterprise</u>																											
Project Location: <u>Los Alamos County</u>		Phone #:																											
Sample Name: <u>Soil</u>		Fax #:																											
FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME	
H800429		5-1 2.5'		G		1																				29.8		0630	
1		5-2 1.5'																											
2		5-3 1.5'																											
3		5-4 1.5'																											
4		5-5 1.5'																											
5		5-6 side wall																											
6		5-7 side wall																											
7		5-8 side wall																											
8		5-9 side wall																											
9		5-10 side wall																											
10		5-11 side wall																											
<p>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 analysis. 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																													
Relinquished By: <u>[Signature]</u>		Date: <u>8-14-06</u>		Received By: <u>[Signature]</u>		Date: <u>8-14-06</u>																							
Relinquished By: <u>[Signature]</u>		Date: <u>8-14-06</u>		Received By: <u>[Signature]</u>		Date: <u>8-14-06</u>																							
Delivered By: (Circle One) <u>4.92</u>		Sample Condition		Cool Intact		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials) <u>[Signature]</u>																					
Sampler - UPS - Bus - Other: <u>Private Site</u>		Sample Condition		Cool Intact		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials) <u>[Signature]</u>																					

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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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,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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: BILLIKEN CTB  
Project Number: 700794.233.01  
Project Location: DEVON-LEA COUNTY

Sampling Date: 02/12/2018  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S-12 (H800450-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	02/15/2018	ND	416	104	400	0.00	

**Sample ID: S-13 (H800450-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/15/2018	ND	416	104	400	0.00	

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### 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

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---

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Talon LPE

Project Manager: K. Wilson

Address: 108 W. Texas Ave

City: Artesia

State: NM Zip: 88210

Phone #: 575-746-8768

Fax #: 575-746-8905

Project #: 700794.233.01

Project Owner: Devon

Project Name: William CTB

Project Location: hwy County

Sampler Name: S. Ward

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H800450

5.12  
5.13

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

7.12.18 1200  
7.12.18 1305

✓

Chlorides

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

✓

PLEASE NOTE: Liability and Damages: Cardinal's liability and thereby exclusive remedy for any claim arising without stated in contract or tort, shall be limited to the amount paid by the client for the analysis. 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 service. In no event shall Cardinal be liable for moderate 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated theories or otherwise.

Relinquished By:

Date: 7.13.18

Received By:

Phone Result:

☐ Yes ☐ No

☐ Yes ☐ No

Add'l Phone #:

Fax Result:

☐ Yes ☐ No

☐ Yes ☐ No

Add'l Fax #:

REMARKS:

3L  
7.13.18

Relinquished By:

Date: 7.13.18

Received By:

Phone Result:

☐ Yes ☐ No

☐ Yes ☐ No

Add'l Phone #:

Fax Result:

☐ Yes ☐ No

☐ Yes ☐ No

Add'l Fax #:

REMARKS:

3L  
7.13.18

Delivered By: (Circle One) 4.3i

Sample Condition

CHECKED BY: (Initials)

Phone Result:

☐ Yes ☐ No

☐ Yes ☐ No

Add'l Phone #:

Fax Result:

☐ Yes ☐ No

☐ Yes ☐ No

Add'l Fax #:

REMARKS:

3L  
7.13.18

Sampler - UPS - Bus - Other: 4.3i

Sample Condition

CHECKED BY: (Initials)

Phone Result:

☐ Yes ☐ No

☐ Yes ☐ No

Add'l Phone #:

Fax Result:

☐ Yes ☐ No

☐ Yes ☐ No

Add'l Fax #:

REMARKS:

3L  
7.13.18

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

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.

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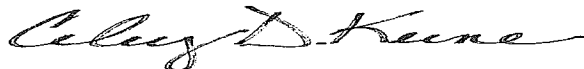
Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

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Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

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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: 02/19/2018  
Reported: 02/20/2018  
Project Name: BILLIKEN CTB  
Project Number: 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

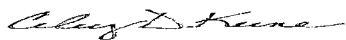
**Sample ID: S-1 3.0' (H800506-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed 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	

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

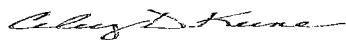
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Cardinal Laboratories

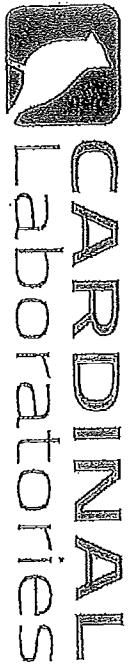
\* = Accredited Analyte

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---

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

BILL TO

ANALYSIS REQUEST

Company Name: Talon/PE

Project Manager: Kimball Wilson

Address: 408 W. Texas Ave.

City: Artesia

Phone #: 575-746-8768

Project #: 700794.233.01

Project Name: Hilliken CTB

Project Location: Lea City

Sampler Name: Kim Wilson

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

H80506

S-1 3.0'

(G)RAB OR (G)OMP.  
# CONTAINERS  
GROUNDWATER  
WASTEWATER  
SOIL  
OIL  
SLUDGE  
OTHER:  
ACID/BASE:  
ICE / COOL  
OTHER:

DATE  
TIME  
2/15/18 3:00

Chlorides

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Relinquished By:

Relinquished By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Date: 2/15/18  
Time: 8:30

Received By:

Sample Condition:  
Cool Intact  
Yes ☐ No ☐

CHECKED BY:

Phone Result: ☐ Yes ☐ No  
Fax Result: ☐ Yes ☐ No  
Add'l Phone #:   
Add'l Fax #:   
REMARKS:

QUICK

\* 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).


Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

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-1 3.0' BHM (H800605-01)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 BTX	<0.300	0.300	03/05/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 72-148

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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					

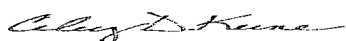
Surrogate: 1-Chlorooctane 98.0 % 41-142

Surrogate: 1-Chlorooctadecane 88.8 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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-3 1.5' BHM (H800605-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 (PIE) 117 % 72-148

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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					

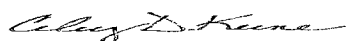
Surrogate: 1-Chlorooctane 91.7 % 41-142

Surrogate: 1-Chlorooctadecane 83.1 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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-8 SW SIDEWALL (H800605-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 (PII) 119 % 72-148

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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					

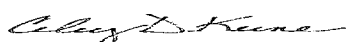
Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 89.8 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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-11 N. SIDEWALL (H800605-04)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	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 (PIE) 120 % 72-148

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 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-12 W. SIDEWALL SW CORNER (H800605-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 (PIE) 117 % 72-148

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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					

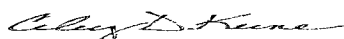
Surrogate: 1-Chlorooctane 94.7 % 41-142

Surrogate: 1-Chlorooctadecane 82.5 % 37.6-147

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

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		Analyzed 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 (PIE) 118 % 72-148

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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

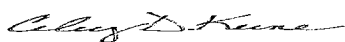
**Sample ID: S-14 E. SIDEWALL MIDDLE (H800605-07)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
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		

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 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, SM4500Cl-B		mg/kg		Analyzed 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		Analyzed 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		

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

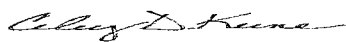
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable 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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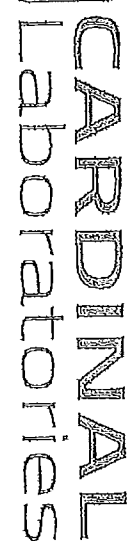
\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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Company Name: Talon/LPE						
Project Manager: Kimbley M. Wilson						
Address: 408 W. Texas Ave.						
City: Atesia						
State: NM Zip: 88210						
Phone #: 575-746-8768 Fax #: 575-746-8905						
Project # 700794.225.01 Project Owner: Deven						
Project Name: Bilectan & Federal #1						
Project Location: Lee City JRP-4761						
Sample Name: Stan Wilson						
FOR LAB USE ONLY						
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX	PRESERV.	SAMPLING
HSC0605				GROUNDWATER		
				WASTEWATER		
				SOIL		
				OIL		
				SLUDGE		
				OTHER:		
				ACID/BASE:		
				ICE/COOL		
				OTHER:		
				DATE		TIME
1 S-1 .30' BH	G	/		2/28/18		7:50
2 S-3 1.5' BH	G	/				8:02
3 S-B SW sidwell.	G	/				7:25
4 S-11 N side wall	G	/				7:42
5 S-12 E side wall SE corner	G	/				7:56
6 S-13 E side wall SE corner	G	/				7:33
7 S-14 E side wall middle	G	/				7:38
8 S-15 SE side wall	G	/				7:28
9 S-16 W side wall middle	G	/		N		7:45
FLEXIBLE NOTE: Liability and damages, liability and claims actions are hereby released by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by consultant within 90 days after completion of the applicable service. In no event shall Consultant be liable or responsible for consequential damages, including without limitation business interruption, loss of data, or loss of profits incurred by client, its subsidiaries, affiliates or successors and/or their related to the performance of services hereunder by Consultant, regardless of whether such claim is based upon any of the above stated exceptions of exclusions.						
Received By:	Date:	Time:	Received By:	Date:	Time:	
Kimbley M. Wilson	2/28/18	5:00	Bell Hogg			
Delivered By: (Circle One)	Type:	Time:	Sample Condition	CHECKED BY:		
Bell Hogg	4.35	3:30	Cool Intact	(initials)		
Sampler - UPS - Bus - Other:	Consolidated 3.25	No Yes No Yes No		TJH		