Page 1 of 65

State of New Mexico
Oil Conservation Division

Page 6

Incident ID	nOY1720547847
District RP	
Facility ID	30-025-42685
Application ID	

### **Closure**

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

Closure Report Attachment Checklist: Each of the following in	tems must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and remuman health or the environment. In addition, OCD acceptance of a compliance with any other federal, state, or local laws and/or regular restore, reclaim, and re-vegetate the impacted surface area to the confidence with 19.15.29.13 NMAC including notification to the O	mediate contamination that pose a threat to groundwater, surface water, a C-141 report does not relieve the operator of responsibility for tions. The responsible party acknowledges they must substantially miditions that existed prior to the release or their final land use in CD when reclamation and re-vegetation are complete.
Printed Name: Dale Woodall	Title: Environmental Professional
Signature: Dala Woodall	Date: 07/06/2022
email: <u>Dale.Woodall@dvn.com</u>	Telephone: 575.748.1838
OCD Only	
Received by: OCD	Date:
	ty of liability should their operations have failed to adequately investigate surface water, human health, or the environment nor does not relieve the al laws and/or regulations.
Closure Approved by: Ashley Maxwell	Date: 9/20/2022
Printed Name: Ashley Maxwell	Title: Environmental Specialist





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## Remediation and Closure Report

Billiken 6 Federal #1H Battery API # 30-025-42685 \* **1RP-4761** Talon Project No. 700794.233.01

# **Prepared For:**

Devon Energy Corporation 6488 Seven Rivers Hwy Artesia, New Mexico 88210

# Prepared By:

Talon/LPE 408 West Texas Artesia, New Mexico 88210

**April 19, 2018** 

Released to Imaging: 9/20/2022 3:23:23 PM

Released to Imaging: 9/20/2022 3:23:23 PM

Ms. Olivia Yu
NMOCD District 1
1625 N. French Dr.
Hobbs, NM 88240

Subject:

Remediation and Closure Report

Billiken 6 Federal #1H Battery API # 30-025-42685 \* **1RP-4761** 

Dear Ms. Yu,

Devon Energy contracted Talon/LPE (Talon) to perform soil assessment and remediation services at the above referenced location. The incident description, soil sampling results, remediation activities and closure request are submitted herein.

#### Site Information and Soil Survey

The Billiken CTB is located approximately one hundred eight (108) miles southeast of Artesia, New Mexico. The legal location for this site is Unit Letter M, Section 6, Township 26 South, and Range 35 East in Lea County, New Mexico. More specifically the latitude and longitude for the release are 32.065941 North and -103.414039 West. A site map is presented in Appendix I.

According to the soil survey provided by the United States Department of Agriculture Natural Resources Conservation Service (NRCS), the soil in this area is made up of Pyote and Maljamar fine sands. Per the New Mexico Bureau of Geology and Mineral Resources, the local surface and shallow geology is Holocene to middle Pleistocene in age and is comprised of eolian sands and piedmont deposits. Drainage courses in this area are normally dry.

#### **Ground Water and Site Ranking**

According to the New Mexico State Engineer web site there is no published groundwater information within 5,000 meters of the release are. However, according to the Chevron Texaco Groundwater Map, the groundwater in this area is greater the 200-feet below ground surface (BGS).

Therefore the ranking for this site is a  $\mathbf{0}$  based on the following:

Depth to ground water >100'
Wellhead Protection Area >1000'
Distance to surface water body >1000'

Based upon the site ranking of **0**, NMOCD Recommended Remedial Action Levels (RRAL) are 50 mg/kg for BTEX, 10 mg/kg for Benzene, 5,000 mg/kg for TPH. The recommended guideline for total chlorides is 600 mg/kg.

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# Received by OCD: 7/6/2022 12:29:32 PM

#### **Incident Description and Initial Remedial Actions**

On July 4, 2017 lightning struck two 500 BBL fiberglass water tanks at the facility causing 255 barrels of produced water to be released into the secondary containment ring. Due to the lightning strike and fire the east sidewall was damaged causing 3.4 barrels to be released onto the well pad surface. No fluids left the location and the remaining 251 barrels of fluid remained in the lined SPCC containment ring. A vac truck recovered the 251 barrels of fluid. Once the fluid was removed, the liner was visually inspected by Devon field staff for any pinholes or punctures. The liner was not breached and no damage was found. A site plan is presented in Appendix I which illustrates the impacted area.

#### **Remedial Actions**

In accordance with an approved work plan with stipulations from NMOCD District I office and follow-up emails, all remediation activities and stipulations were adhered too. See attached NMOCD emails regarding the stipulations/conditions in Appendix II.

All impacted soil was transported to Lea Land, LLC, an approved disposal facility.

The excavated areas on location were backfilled with new caliche, machine compacted and re-contoured to match the surrounding location.

#### Closure

Based on laboratory analytical results indicating Chlorides, TPH and BTEX concentrations are less than NMOCD RRAL's guidelines and on behalf of Devon Energy, we respectfully request that no further actions be required and that closure with respect to this release be granted.

Should you have any questions or if further information is required, please do not hesitate to contact our office at (575)-746-8768

Respectfully submitted,

TALON/LPE

Kimberly M. Wilson

Project Manager

David J. Adkins

District Manager

Attachments:

Appendix I Site Map

Appendix II Regulatory Emails

m. wilson



# Appendix I

Site Map Á





**Appendix I=**Ü^\* \* |æ[ ¦^ÂÒ{ æa}•

#### Kimberly M. Wilson

From: Sent: Yu, Olivia, EMNRD [Olivia.Yu@state.nm.us] Thursday, March 08, 2018 8:54 AM

Sent: To: Cc:

Kimberly M. Wilson; Tucker, Shelly mike.shoemaker@dvn.com; David J. Adkins

Subject:

RE: Billiken 6 Federal #1 Work Plan

Ms. Wilson:

Acknowledged. Thanks for your prompt response.

Olivia

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

Sent: Thursday, March 8, 2018 7:49 AM

To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; Tucker, Shelly <stucker@blm.gov>

Cc: mike.shoemaker@dvn.com; David J. Adkins <dadkins@talonlpe.com>

Subject: RE: Billiken 6 Federal #1 Work Plan

Olivia,

There are no sidewalls for the different depths, the sides are sloping into the next. I will take note and advise my operators of the importance of defined sidewalls.

Thank you, Kimberly

From: Yu, Olivia, EMNRD [mailto:Olivia.Yu@state.nm.us]

**Sent:** Thursday, March 08, 2018 7:37 AM **To:** Kimberly M. Wilson; Tucker, Shelly

Cc: mike.shoemaker@dvn.com; David J. Adkins Subject: RE: Billiken 6 Federal #1 Work Plan

Good morning Ms. Wilson:

Are there data for the borders of the areas with different depths of excavation: between 3 ft. and 1 ft. excavated area; between 3 ft. and 1.5 ft.; and between 1.5 ft. and 1 ft.? This was a condition stipulated in the email dated December 7, 2017: "Each different depth of excavation must have at least one set of confirmation bottom and sidewalls."

If not, please be advised that for future 1RPs, confirmation samples from the borders of differing depths of excavation will be required for backfill approval.

NMOCD will grant backfill approval for 1RP-4761. Like approval from BLM required.

Thanks, Olivia

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

Sent: Tuesday, March 6, 2018 3:10 PM

To: Yu, Olivia, EMNRD < Olivia. Yu@state.nm.us>

# **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	48	06.24	
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		**	

<sup>--</sup> Analyte Not Tested

Released to Imaging: 9/20/2022 3:23:23 PM



# Appendix I=

Laboratory Data



August 08, 2017

KIMBERLY WILSON

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BILLIKEN 6 FED 1H

Enclosed are the results of analyses for samples received by the laboratory on 08/02/17 15:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. 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 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

Received by OCD: 7/6/2022 12:29:32 PM

Lab Director/Quality Manager





#### Analytical Results For:

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

Received: Reported: 08/02/2017

08/02/2017

Project Name:

BILLIKEN 6 FED 1H

Project Number: Project Location:

700794.233.01 NOT GIVEN Sampling Date:

ling Date:

Sampling Type: Soil

Sampling Condition: Sample Received By: \*\* (See Notes)

08/02/2017

Tamara Oldaker

Sample ID: S-1 0' (H702035-01)

BTEX 8021B	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2017	ND	2.27	113	2.00	1.36	
Toluene*	<0.050	0.050	08/04/2017	ND	2.10	105	2.00	0.0527	
Ethylbenzene*	<0.050	0.050	08/04/2017	ND	2.19	110	2.00	1.11	
Total Xylenes*	<0.150	0.150	08/04/2017	ND	6.57	109	6.00	0.942	
Total BTEX	<0.300	0.300	08/04/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 %	6 72-148	•						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15600	16.0	08/07/2017	ND	448	112	400	3.64	
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	08/04/2017	ND	190	95.0	200	1.88	
DRO >C10-C28	<10.0	10.0	08/04/2017	ŃD	192	95.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	84.0 %	6 28.3-16	4						
Surrogate: 1-Chlorooctadecane	82.1 %	6 34.7-15	7						

#### Cardinal Laboratories

\*=Accredited Analyte

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Celeg & Keene



#### Analytical Results For:

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

Received:

08/02/2017

Reported:

08/08/2017

Project Name: Project Number: BILLIKEN 6 FED 1H 700794.233.01

Project Location:

NOT GIVEN

Sampling Date:

08/02/2017

Sampling Type:

Sampling Condition:

Sample Received By:

Soil
\*\* (See Notes)

Tamara Oldaker

Sample ID: S-1 1' (H702035-02)

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	08/04/2017	ND	2.27	113	2.00	1.36	
Toluene*	<0.050	0.050	08/04/2017	ND	2.10	105	2.00	0.0527	
Ethylbenzene*	<0,050	0.050	08/04/2017	ND	2.19	110	2.00	1.11	
Total Xylenes*	<0.150	0.150	08/04/2017	ND	6.57	109	6.00	0.942	
Total BTEX	<0.300	0.300	08/04/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 9	6 72-148							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10600	16.0	08/07/2017	ND	448	112	400	3.64	
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	08/04/2017	ND	190	95.0	200	1.88	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	192	95.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	97.0 9	6 28.3-16	4						
Surrogate: 1-Chlorooctadecane	95.49	6 34.7-15	7						

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\*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

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

Received: Reported: 08/02/2017

08/08/2017

Project Name: Project Number:

BILLIKEN 6 FED 1H 700794.233.01

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: 08/02/2017 Soil

\*\* (See Notes)

Tamara Oldaker

Sample ID: S-1 2' (H702035-03)

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	08/04/2017	ND	2.27	113	2.00	1.36	
Toluene*	<0.050	0.050	08/04/2017	ND	2.10	105	2.00	0.0527	
Ethylbenzene*	< 0.050	0.050	08/04/2017	ND	2.19	110	2.00	1.11	
Total Xylenes*	<0.150	0.150	08/04/2017	ND	6.57	109	6.00	0.942	
Total BTEX	<0.300	0.300	08/04/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103	% 72-148							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	08/07/2017	ND	448	112	400	3.64	
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	08/04/2017	ND	190	95.0	200	1.88	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	192	95.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	89.6	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	87.6	% 34.7-15	7						

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Received by OCD: 7/6/2022 12:29:32 PM

\*=Accredited Analyte

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#### Analytical Results For:

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

Received:

08/02/2017

Reported:

08/08/2017

Project Name: Project Number: BILLIKEN 6 FED 1H 700794.233.01

Project Location:

NOT GIVEN

Sampling Date:

08/02/2017

Sampling Type:

Soil

Sampling Condition: Sample Received By: \*\* (See Notes)

Tamara Oldaker

Sample ID: S-1 3' (H702035-04)

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	08/04/2017	ND	2.27	113	2.00	1.36	
Toluene*	<0.050	0.050	08/04/2017	ND	2.10	105	2,00	0.0527	
Ethylbenzene*	<0,050	0.050	08/04/2017	ND	2.19	110	2.00	1.11	
Total Xylenes*	<0.150	0.150	08/04/2017	ND	6.57	109	6.00	0.942	
Total BTEX	<0.300	0.300	08/04/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 %	6 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/07/2017	ND	448	112	400	3.64	
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	08/04/2017	ND	190	95.0	200	1.88	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	192	95.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	102 %	6 28.3-16	4						
Surrogate: 1-Chlorooctadecane	101 %	6 34.7-15	7						

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\*=Accredited Analyte

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Celeg & Kuna



#### Analytical Results For:

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

Received:

08/02/2017

Reported:

08/08/2017 BILLIKEN 6 FED 1H

Project Name: Project Number:

700794.233.01

Project Location:

NOT GIVEN

Sampling Date:

08/02/2017

Sampling Type:

Soil

Sampling Condition: Sample Received By: \*\* (See Notes)

Tamara Oldaker

Sample ID: S-1 4' (H702035-05)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	08/04/2017	ND	2.27	113	2.00	1.36	
Toluene*	<0.050	0.050	08/04/2017	ND	2.10	105	2.00	0.0527	
Ethylbenzene*	<0.050	0.050	08/04/2017	ND	2.19	110	2.00	1.11	
Total Xylenes*	<0.150	0.150	08/04/2017	ND	6.57	109	6.00	0.942	
Total BTEX	<0.300	0.300	08/04/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 9	% 72-148	)						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC		V. 104			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	112	16.0	08/07/2017	ND	448	112	400	3.64	
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	08/04/2017	ND	190	95.0	200	1.88	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	192	95.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	102 %	6 28.3-16	4						
Surrogate: 1-Chlorooctadecane	100 9	6 34.7-15	7						

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

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

Fax To:

(575) 745-8905

Received: Reported: 08/02/2017

08/08/2017

Project Name:

BILLIKEN 6 FED 1H

Project Number: Project Location: 700794.233.01

NOT GIVEN

Sampling Date:

08/02/2017

Sampling Type:

Soil

Sampling Condition: Sample Received By: \*\* (See Notes)

Tamara Oldaker

Sample ID: S-2 0' (H702035-06)

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	08/04/2017	ND	2.27	113	2.00	1.36	
Toluene*	<0.050	0.050	08/04/2017	ND	2.10	105	2.00	0.0527	
Ethylbenzene*	<0.050	0.050	08/04/2017	ND	2.19	110	2.00	1.11	
Total Xylenes*	<0.150	0.150	08/04/2017	ND	6.57	109	6.00	0.942	
Total BTEX	<0.300	0.300	08/04/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 :	% 72-148							
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6600	16.0	08/07/2017	ND	448	112	400	3.64	
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	08/04/2017	ND	190	95.0	200	1.88	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	192	95.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	102 9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	102 9	% 34.7-15	7						

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#### Analytical Results For:

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

Received:

08/02/2017

Reported:

08/08/2017

Project Name: Project Number:

Project Location:

BILLIKEN 6 FED 1H 700794.233.01

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

08/02/2017

Soil

\*\* (See Notes)

Tamara Oldaker

Sample ID: S-2 1' (H702035-07)

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	08/04/2017	ND	2.27	113	2.00	1.36	
Toluene*	<0.050	0.050	08/04/2017	ND	2.10	105	2.00	0.0527	
Ethylbenzene*	0.051	0.050	08/04/2017	ND	2.19	110	2.00	1.11	
Total Xylenes*	<0.150	0.150	08/04/2017	ND	6.57	109	6.00	0.942	
Total BTEX	<0.300	0.300	08/04/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101	% 72-148	}						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	08/07/2017	ND	448	112	400	3.64	
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	08/04/2017	ND	190	95.0	200	1.88	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	192	95.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	93.3	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	91.0	% 34.7-15	7						

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#### Analytical Results For:

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

Received: Reported: 08/02/2017

08/08/2017

Project Name: Project Number: BILLIKEN 6 FED 1H 700794.233.01

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type: Soil

Sampling Condition: Sample Received By: \*\* (See Notes)

08/02/2017

Tamara Oldaker

Sample ID: S-2 2' (H702035-08)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2017	ND	2.27	113	2.00	1.36	
Toluene*	<0.050	0.050	08/04/2017	ND	2.10	105	2,00	0.0527	
Ethylbenzene*	0.051	0.050	08/04/2017	ND	2.19	110	2,00	1.11	
Total Xylenes*	<0.150	0.150	08/04/2017	ND	6.57	109	6.00	0.942	
Total BTEX	<0.300	0.300	08/04/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 9	% 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/07/2017	ND	448	112	400	3.64	
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	08/04/2017	ND	190	95.0	200	1.88	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	192	95.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	102 9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	101 9	% 34.7-15	7						

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#### Analytical Results For:

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

Received: Reported: 08/02/2017

08/08/2017 BILLIKEN 6 FED 1H

Project Name: Project Number:

700794.233.01

Project Location:

Sample ID: S-2 3' (H702035-09)

NOT GIVEN

Sampling Date:

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: Soil
\*\* (See Notes)

Tamara Oldaker

08/02/2017

-

BTEX 8021B	mg,	/kg	Analyze	ed By: MS			,		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	08/04/2017	ND	2.27	113	2.00	1.36	
Toluene*	<0.050	0.050	08/04/2017	ND	2.10	105	2.00	0.0527	
Ethylbenzene*	<0.050	0.050	08/04/2017	ND	2.19	110	2.00	1.11	
Total Xylenes*	<0.150	0.150	08/04/2017	ND	6.57	109	6.00	0.942	
Total BTEX	<0.300	0.300	08/04/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102	% 72-148							
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/07/2017	ND	448	112	400	3.64	
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	08/04/2017	ND	190	95.0	200	1.88	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	192	95.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	94.2	% 28.3-16-	4						
Surrogate: 1-Chlorooctadecane	94.5	% 34.7-15	7						

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#### Analytical Results For:

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

Received:

08/02/2017

Reported:

08/08/2017

Project Name: Project Number: BILLIKEN 6 FED 1H 700794.233.01

Sampling Date:

08/02/2017

Sampling Type:

Soil

Sampling Condition: Sample Received By: \*\* (See Notes) Tamara Oldaker

NOT GIVEN Project Location:

#### Sample ID: S-2 4' (H702035-10)

BTEX 8021B	mg,	kg	Analyze	d By: MS	40.74				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2017	ND	2.27	113	2.00	1.36	
Toluene*	<0.050	0.050	08/04/2017	ND	2.10	105	2.00	0.0527	
Ethylbenzene*	<0.050	0.050	08/04/2017	ND	2.19	110	2.00	1.11	
Total Xylenes*	<0.150	0.150	08/04/2017	ND	6.57	109	6.00	0.942	
Total BTEX	<0.300	0.300	08/04/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 9	6 72-148							
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC		ess w				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/07/2017	ND	448	112	400	3.64	
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	08/04/2017	ND	190	95.0	200	1.88	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	192	95.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	101 %	6 28.3-16	4						
Surrogate: 1-Chlorooctadecane	101 %	6 34.7-15	7						

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#### Analytical Results For:

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

Fax To:

(575) 745-8905

Analysis of Day MC

Received:

08/02/2017

Sampling Date:

08/02/2017

Reported:

08/08/2017 BILLIKEN 6 FED 1H Sampling Type:

Soil

Project Name: Project Number:

700794.233.01

Sampling Condition: Sample Received By: \*\* (See Notes)
Tamara Oldaker

Project Location:

NOT GIVEN

Sample ID: S-3 0' (H702035-11)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS		************			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/04/2017	ND	2.27	113	2.00	1.36	
Toluene*	<0.050	0.050	08/04/2017	ND	2.10	105	2.00	0.0527	
Ethylbenzene*	0.050	0.050	08/04/2017	ND	2.19	110	2.00	1.11	
Total Xylenes*	<0.150	0.150	08/04/2017	ND	6.57	109	6.00	0.942	
Total BTEX	<0.300	0.300	08/04/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 5	% 72-148	ı						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17200	16.0	08/07/2017	ND	448	112	400	3.64	
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	08/04/2017	ND	190	95.0	200	1.88	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	192	95.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	96.8	% 28.3-16-	4						
Surrogate: 1-Chlorooctadecane	95.6	% 34.7-15	7						

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#### Analytical Results For:

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

Received:

08/02/2017

Reported:

08/08/2017

Project Name: Project Number: BILLIKEN 6 FED 1H 700794.233.01

Project Location:

NOT GIVEN

Sampling Date:

e: 08/02/2017

Sampling Type:

Sampling Condition:

Soil
\*\* (See Notes)

Sample Received By:

Tamara Oldaker

Sample ID: S-3 1' (H702035-12)

BTEX 8021B	mg/	'kg	Analyze	ed By: MS			* ***		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	08/07/2017	ND	2.04	102	2.00	1.80	
Toluene*	<0.050	0,050	08/07/2017	ND	1.90	95.1	2.00	1.29	
Ethylbenzene*	<0.050	0.050	08/07/2017	ND	1.99	99.3	2.00	1.78	
Total Xylenes*	<0.150	0.150	08/07/2017	ND	5.89	98.1	6.00	2.12	
Total BTEX	<0.300	0.300	08/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 9	% 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5600	16.0	08/07/2017	ND	448	112	400	0.00	QM-07
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	08/04/2017	ND	190	95.0	200	1.88	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	192	95.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	103 %	6 28.3-16	4						
Surrogate: 1-Chlorooctadecane	114%	6 34.7-15	7						

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#### Analytical Results For:

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

Received:

08/02/2017

Reported:

08/08/2017

Project Name: Project Number: BILLIKEN 6 FED 1H 700794.233.01

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: Soil \*\* (See Notes)

08/02/2017

Tamara Oldaker

Sample ID: S-3 2' (H702035-13)

BTEX 8021B	mg,	'kg	Analyze	ed By: MS		*******	w-poor		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	08/07/2017	ND	2.04	102	2.00	1.80	
Toluene*	<0.050	0.050	08/07/2017	ND	1.90	95.1	2.00	1.29	
Ethylbenzene*	<0.050	0.050	08/07/2017	ND	1.99	99.3	2.00	1.78	
Total Xylenes*	<0.150	0.150	08/07/2017	ND	5.89	98.1	6.00	2.12	
Total BTEX	<0.300	0.300	08/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 9	% 72-148	}						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/07/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS			405		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/04/2017	ND	190	95.0	200	1.88	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	192	95.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	97.9 9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	97.5 9	6 34.7-15	7						

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#### Analytical Results For:

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

Received:

08/02/2017

Reported:

08/08/2017

Project Name: Project Number: BILLIKEN 6 FED 1H 700794.233.01

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: 08/02/2017 Soil \*\* (See Notes)

Tamara Oldaker

Sample ID: S-3 3' (H702035-14)

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	08/07/2017	ND	2.04	102	2.00	1.80	
Toluene*	<0.050	0.050	08/07/2017	ND	1.90	95.1	2.00	1.29	
Ethylbenzene*	<0.050	0.050	08/07/2017	ND	1.99	99.3	2.00	1.78	
Total Xylenes*	<0.150	0.150	08/07/2017	ND	5.89	98.1	6.00	2,12	
Total BTEX	<0.300	0.300	08/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 5	% 72-148							
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/07/2017	ND	448	112	400	0.00	
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	08/04/2017	ND	190	95.0	200	1.88	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	192	95.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	98.4	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	96.8	% 34.7-15	7						

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#### Analytical Results For:

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

Received:

08/02/2017

Reported:

08/08/2017

Project Name: Project Number: BILLIKEN 6 FED 1H 700794.233.01

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: Soil

\*\* (See Notes)

08/02/2017

Tamara Oldaker

Sample ID: S-3 4' (H702035-15)

BTEX 8021B	mg/	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0,050	08/07/2017	ND	2.04	102	2.00	1.80	
Toluene*	<0.050	0.050	08/07/2017	ND	1.90	95.1	2.00	1.29	
Ethylbenzene*	<0.050	0.050	08/07/2017	ND	1.99	99.3	2.00	1.78	
Total Xylenes*	<0.150	0.150	08/07/2017	ND	5.89	98.1	6.00	2.12	
Total BTEX	<0.300	0.300	08/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 9	6 72-148	}						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/07/2017	ND	448	112	400	0.00	
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	08/04/2017	ND	190	95.0	200	1.88	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	192	95.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	97.1 %	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	95.79	6 34.7-15	7						

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#### Analytical Results For:

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

Received:

08/02/2017

Reported:

08/08/2017

Project Name: Project Number: BILLIKEN 6 FED 1H 700794.233.01

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By:

\*\* (See Notes)

08/02/2017

Soil

Tamara Oldaker

Sample ID: S-4 0' (H702035-16)

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	08/07/2017	ND	2.04	102	2.00	1.80	
Toluene*	<0.050	0.050	08/07/2017	ND	1.90	95.1	2.00	1.29	
Ethylbenzene*	<0.050	0.050	08/07/2017	ND	1.99	99.3	2.00	1.78	
Total Xylenes*	<0.150	0.150	08/07/2017	ND	5.89	98.1	6.00	2,12	
Total BTEX	<0.300	0.300	08/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 9	6 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7330	16.0	08/07/2017	ND	448	112	400	0.00	
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	08/04/2017	ND	190	95.0	200	1.88	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	192	95.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	97.45	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	96.0 9	6 34.7-15	7						

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#### Analytical Results For:

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

Received:

08/02/2017

Reported:

08/08/2017 BILLIKEN 6 FED 1H

Project Name: Project Number:

700794.233.01

Project Location:

NOT GIVEN

Sampling Date:

08/02/2017 Sampling Type:

Soil

Sampling Condition: Sample Received By: \*\* (See Notes)

Tamara Oldaker

Sample ID: S-4 1' (H702035-17)

BTEX 8021B	mg/	kg	Analyze	d By: MS	O-FEMALE				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2017	ND	2.04	102	2.00	1.80	
Toluene*	<0.050	0.050	08/07/2017	ND	1.90	95.1	2.00	1.29	
Ethylbenzene*	<0.050	0.050	08/07/2017	ND	1.99	99.3	2.00	1.78	
Total Xylenes*	<0.150	0.150	08/07/2017	ND	5.89	98.1	6.00	2.12	
Total BTEX	<0.300	0.300	08/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 9	6 72-148							
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	08/07/2017	ND	448	112	400	0.00	
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	08/04/2017	ND	190	95.0	200	1.88	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	192	95.9	200	2.00	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	97.69	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	97.3 9	6 34.7-15	7						

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#### Analytical Results For:

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

Fax To:

(575) 745-8905

Received: Reported: 08/02/2017

08/08/2017

Project Name:

BILLIKEN 6 FED 1H

Project Number: Project Location: 700794.233.01 NOT GIVEN Sampling Date:

08/02/2017

Sampling Type:

Soil

Sampling Condition: Sample Received By: \*\* (See Notes)

Tamara Oldaker

Sample ID: S-4 2' (H702035-18)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2017	ND	2.04	102	2.00	1.80	
Toluene*	<0.050	0.050	08/07/2017	ND	1.90	95.1	2.00	1.29	
Ethylbenzene*	<0,050	0.050	08/07/2017	ND	1.99	99.3	2.00	1.78	
Total Xylenes*	<0.150	0.150	08/07/2017	ND	5.89	98.1	6.00	2.12	
Total BTEX	<0.300	0.300	08/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 9	% 72-148	}						
Chloride, SM4500CI-B	mg/	/kg	Analyze	ed By: AC					
Analyte	Result	. Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/07/2017	ND	448	112	400	0.00	
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	08/04/2017	ND	188	94.2	200	2.39	QM-07, QR-03
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	194	97.0	200	2.57	QR-03
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	98.3	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	101 9	% 34.7-15	7						

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#### Analytical Results For:

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

Received:

08/02/2017

Reported:

08/08/2017

Project Name: Project Number: BILLIKEN 6 FED 1H 700794.233.01

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: Soil \*\* (See Notes)

Tamara Oldaker

08/02/2017

Sample ID: S-4 3' (H702035-19)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	08/07/2017	ND	2.04	102	2.00	1.80	
Toluene*	<0.050	0.050	08/07/2017	ND	1.90	95.1	2.00	1.29	
Ethylbenzene*	<0.050	0.050	08/07/2017	ND	1.99	99.3	2.00	1.78	
Total Xylenes*	< 0.150	0.150	08/07/2017	ND	5.89	98.1	6.00	2.12	
Total BTEX	<0.300	0.300	08/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 9	6 72-148							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/07/2017	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS		<del></del>			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/04/2017	ND	188	94.2	200	2.39	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	194	97.0	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	90.0 9	6 28.3-16	4						
Surrogate: 1-Chlorooctadecane	95.69	6 34.7-15	7						

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#### Analytical Results For:

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

Received:

08/02/2017

Reported:

08/08/2017

Project Name: Project Number: BILLIKEN 6 FED 1H 700794.233.01

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type: Soil

Sampling Condition:

Sample Received By:

\*\* (See Notes)

Tamara Oldaker

08/02/2017

Sample ID: S-4 4' (H702035-20)

BTEX 8021B	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2017	ND	2.04	102	2.00	1.80	
Toluene*	<0.050	0.050	08/07/2017	ND	1.90	95.1	2.00	1.29	
Ethylbenzene*	<0.050	0.050	08/07/2017	ND	1.99	99.3	2.00	1.78	
Total Xylenes*	<0.150	0.150	08/07/2017	ND	5.89	98.1	6.00	2.12	
Total BTEX	<0.300	0.300	08/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 9	% 72-148							
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/07/2017	ND	448	112	400	0.00	
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	08/04/2017	ND	188	94.2	200	2.39	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	194	97.0	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	88.0	% 28.3-16-	1						
Surrogate: 1-Chlorooctadecane	92.0	% 34.7-157	7						

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#### Analytical Results For:

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

Received:

08/02/2017

Reported:

08/08/2017

Project Name: Project Number: BILLIKEN 6 FED 1H 700794.233.01

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

08/02/2017

Soil

\*\* (See Notes)

Tamara Oldaker

Sample ID: S-5 0' (H702035-21)

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	08/07/2017	ND	2.04	102	2.00	1.80	
Toluene*	<0.050	0.050	08/07/2017	ND	1.90	95.1	2.00	1.29	
Ethylbenzene*	<0.050	0.050	08/07/2017	ND	1.99	99.3	2.00	1.78	
Total Xylenes*	<0.150	0.150	08/07/2017	ND	5.89	98.1	6.00	2.12	
Total BTEX	<0.300	0.300	08/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103	% 72-148							
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC			****			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	13200	16.0	08/07/2017	ND	448	112	400	0.00	
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	08/04/2017	ND	188	94.2	200	2.39	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	194	97.0	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	88.3	% 28.3-16-	4						
Surrogate: 1-Chlorooctadecane	89.4	% 34.7-15	7						

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#### Analytical Results For:

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

Received:

08/02/2017

Reported:

08/08/2017

Project Name: Project Number: BILLIKEN 6 FED 1H 700794.233.01

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By:

\*\* (See Notes)

08/02/2017

Soil

Tamara Oldaker

Sample ID: S-5 1' (H702035-22)

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	08/07/2017	ND	2.04	102	2.00	1.80	
Toluene*	<0.050	0.050	08/07/2017	ND	1.90	95.1	2.00	1.29	
Ethylbenzene*	<0.050	0.050	08/07/2017	ND	1.99	99.3	2.00	1.78	
Total Xylenes*	<0.150	0.150	08/07/2017	ND	5.89	98.1	6.00	2.12	
Total BTEX	<0.300	0.300	08/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	104 %	6 72-148	•		-				
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	08/07/2017	ND	448	112	400	0.00	
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	08/04/2017	ND	188	94.2	200	2.39	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	194	97.0	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	107 %	6 28.3-16	4						
Surrogate: 1-Chlorooctadecane	109 %	6 34.7-15	7						

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\*=Accredited Analyte

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#### Analytical Results For:

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

Received:

08/02/2017

Reported:

08/08/2017

Project Name: Project Number: BILLIKEN 6 FED 1H 700794.233.01

Project Location:

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: Soil

\*\* (See Notes)

Tamara Oldaker

08/02/2017

NOT GIVEN

Sample ID: S-5 2' (H702035-23)

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	08/07/2017	ND	2.04	102	2.00	1.80	
Toluene*	<0.050	0.050	08/07/2017	ND	1.90	95.1	2.00	1.29	
Ethylbenzene*	<0.050	0.050	08/07/2017	ND	1.99	99.3	2.00	1.78	
Total Xylenes*	<0.150	0.150	08/07/2017	ND	5.89	98.1	6.00	2.12	
Total BTEX	<0.300	0.300	08/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	103 9	% 72-148							
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/07/2017	ND	448	112	400	0.00	
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	08/04/2017	ND	188	94.2	200	2.39	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	194	97.0	200	2.57	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	74.9 9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	77.9 9	% 34.7-15	7						

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\*=Accredited Analyte

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#### Analytical Results For:

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

Received:

08/02/2017

Reported:

BTEX 8021B

08/08/2017

Project Name: Project Number: BILLIKEN 6 FED 1H 700794.233.01

mg/kg

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type: Soil

Sampling Condition: Sample Received By: \*\* (See Notes)

Tamara Oldaker

08/02/2017

Sample ID: S-5 3' (H702035-24)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2017	ND	2.04	102	2.00	1.80	
Toluene*	<0.050	0.050	08/07/2017	ND	1.90	95.1	2.00	1.29	
Ethylbenzene*	<0.050	0.050	08/07/2017	ND	1.99	99.3	2.00	1.78	
Total Xylenes*	<0.150	0.150	08/07/2017	ND	5.89	98.1	6.00	2.12	
Total BTEX	<0.300	0.300	08/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	101 %	% 72-148							
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	08/07/2017	ND	448	112	400	0.00	
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	08/04/2017	ND	191	95.4	200	3.04	

ND

08/04/2017

Analyzed By: MS

Surrogate: 1-Chlorooctane 96.5 % 28.3-164 Surrogate: 1-Chlorooctadecane 98.6% 34.7-157

<10.0

10.0

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EXT DRO >C28-C36

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#### Analytical Results For:

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

Received:

08/02/2017

Reported:

08/08/2017

Project Name: Project Number: BILLIKEN 6 FED 1H 700794.233.01

Project Location:

NOT GIVEN

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: Soil \*\* (See Notes)

Tamara Oldaker

08/02/2017

Sample ID: S-5 4' (H702035-25)

BTEX 8021B	mg/kg		Analyzed By: MS			ADS-ADS-ADS-ADS-ADS-ADS-ADS-ADS-ADS-ADS-			
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2017	ND	2.04	102	2,00	1.80	
Toluene*	<0.050	0.050	08/07/2017	ND	1.90	95.1	2.00	1.29	
Ethylbenzene*	<0.050	0.050	08/07/2017	ND	1.99	99.3	2.00	1.78	
Total Xylenes*	<0.150	0.150	08/07/2017	ND	5.89	98.1	6.00	2.12	
Total BTEX	<0.300	0.300	08/07/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	102 9	6 72-148	,						
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	08/07/2017	ND	448	112	400	0.00	
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	08/04/2017	ND	191	95.4	200	3.04	
DRO >C10-C28	<10.0	10.0	08/04/2017	ND	196	97.8	200	2.61	
EXT DRO >C28-C36	<10.0	10.0	08/04/2017	ND					
Surrogate: 1-Chlorooctane	89.49	6 28.3-16-	4						
Surrogate: 1-Chlorooctadecane	87.49	6 34.7-157	7						

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\*=Accredited Analyte

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### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch QR-03

accepted based on LCS and/or LCSD recovery and/or RPD values.

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS QM-07

Analyte NOT DETECTED at or above the reporting limit ND

Relative Percent Difference **RPD** 

Samples not received at proper temperature of 6°C or below.

Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C

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

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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

Page 28 of 30

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	01/2-000 (0.0)	
Project Manager:	1000/100	
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Project #: 700794	235,01	Address:
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Wyses. All claims including those for n rvice. In no eyent shall Cardinal be liat listed or executions.	Nikyes. All claims including those for registence and any other cause refinely for yourn examp whether based in contract that be limited to the amount paid by the client for periods. In the year doubling the liable for notice that or consequential dishights, religious when it serves	if or fact, shall be limited to the amount paid by the client for the 10 received by Cardinal within 30 days after completion of the process.
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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Project Manager	SO/ LP/S	
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Page 30 of 30

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 <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 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

Received by OCD: 7/6/2022 12:29:32 PM

Lab Director/Quality Manager

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

Fax To:

(575) 745-8905

Received: Reported: 02/09/2018

02/09/2018

Project Name: Project Number: BILLIKEN CTB 700348.418.01

ENTERPRISE-LEA COUNTY

Project Location:

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: Soil

Cool & Intact

Tamara Oldaker

02/09/2018

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

Chloride, SM4500Cl-B

Chloride

Chloride

Chloride

Chloride

Received by OCD: 7/6/2022 12:29:32 PM

mg/kg

Analyzed By: AC

Analyte

Result

3200

Reporting Limit 16.0

Analyzed 02/09/2018 Method Blank ND

BS 432 % Recovery 108

True Value QC

400

RPD 3.77 Qualifier

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

Chloride, SM4500Cl-B

Analyzed By: AC

Analyte

Result 32.0

32.0

Reporting Limit 16.0

Analyzed 02/09/2018 Method Blank ND

BS 432 % Recovery 108

True Value QC 400

RPD 3.77 Qualifier

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

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte Result Reporting Limit Analyzed 16.0 02/09/2018 Method Blank ND

BS 432 % Recovery 108

True Value QC 400

**RPD** 

3,77

Qualifier

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

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Result Reporting Limit Analyte 64.0

02/09/2018 16.0

Analyzed

Method Blank ND

BS 432 % Recovery 108

True Value QC 400

RPD 3.77 Qualifier

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alex there-

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

Fax To:

Received: 02/09/2018 02/09/2018 Reported:

Project Name: BILLIKEN CTB Project Number: 700348.418.01

Project Location: **ENTERPRISE-LEA COUNTY**  Sampling Date:

02/09/2018 Sampling Type: Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

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

Chloride, SM4500Cl-B	Chloride, SM4500Cl-B mg/kg		Analyze	d 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, SM4500Cl-B	mg	/kg	Analyze	а ву: АС				Xx	
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, SM4500Cl-B	mg	/kg	Analyze	d 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, SM4500Cl-B	mg,	/kg	Analyze	d 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, SM4500Cl-B	mg,	/kg	Analyze	d 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  PLEASE NOTE: Liability and Damages. Cardinal's is any other cause whatsoever shall be deemed waive including, without limitation, business interruptions, los dalm is based upon any of the above stated reasons or other Celey D. Keene, Lab Director/C	ed unless made in is of use, or loss wise. Results relate only	writing and received by C of profits incurred by dien y to the samples identified above	ardinal within thirty (30) t, its subsidiaries, affiliate	days after completion of s or successors arising o	the applicable at of or relat	e service. In no even ed to the performance	client for analyses. All cla t shall Cardinal be liable	aims, including tho for incidental or	consequential damages,

### Cardinal Laboratories

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

Fax To:

(575) 745-8905

Received: Reported: 02/09/2018

02/09/2018

Project Name: Project Number: BILLIKEN CTB 700348.418.01

**ENTERPRISE-LEA COUNTY** 

Project Location:

Analyte

Sampling Date:

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

02/09/2018

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

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyzed

Method Blank

BS

% Recovery

True Value QC

RPD

Qualifier

Chloride

Result 16.0 Reporting Limit 16.0

02/09/2018

ND

432

108

400

3.77

Cardinal Laboratories

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\*=Accredited Analyte

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### **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 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 daim 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 & Kenne

12:29:32 PM

7/6/2022

Received by OCD:



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

company Name:	Talan LAL		BILL 70	ANALYSIS REQUEST
Project Manager:	· K W//can		P.O. #:	
Address: 70	& W. Texus Clur		Company: /G/01/	
City: Clores/	State: MM	Zip: 683/10	1	
Phone #: 574	5-616-1020 Fax#:		Address:	
Project #: 100	348 418 1 Project Owner:	Exemple	City:	
Project Name: /	3:11:Ken CTB		State: Zip:	
Project Location:	her gutte		Phone #:	
Sampler Name:	1 /10/10/1	***************************************	Tou #	
Campier Manie,	S. Joseph Co.	Market Street,	rax#:	2/
FOR LAB USE ONLY		P. MATRIX	PRESERV SAMPLING	NG
Lab I.D.	Sample I.D.	AB OR (C)OM NTAINERS UNDWATER TEWATER	ER : /BASE: COOL	
H8118424	51 2,5	# C0	OTH ACII	TIME
7	N.2 / N.			22%
W	5:3 (5)			Sur I
7	57 55			0639
\$\frac{1}{2}	5.6 Side wall			0647
6	57 Sideword			5/40
	S. S. de ward			0648
×	Sig Siderwall			965/
0	5:10 Side wash.			89
10	511 S. Elwans			0657
analyses. All daims including service. In no event shall Ca		ny claim arising whether based in contri deemed waived unless made in writing : without limitation, business interruption	act or tort, shall be limited to the amount po and received by Cardinal within 30 days at is, loss of use, or loss of profits incurred by	id by the dient for the or completion of the applicable client, its subsidiaries,
Relinguished By:	Relinquished By:  Relinquished By:	ardinal regardless of whether such clair	of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise	
		Received By:		Phone Result:
Relinquished By:	r. Date:	Received By:	Regional	
	Time:	,	(	
Delivered By: (Circle One)	(Circle One) 4.90	Sample Condition	lition CHECKED BY:	

Sampler - UPS - Bus - Other:

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 <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.

Celey 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

Received by OCD: 7/6/2022 12:29:32 PM

Lab Director/Quality Manager



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

### 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 **BILLIKEN CTB** 

Project Name: Project Number:

700794.233.01

Project Location:

Analyte

**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

Reporting Limit Result

Analyzed

Method Blank

BS

% Recovery

True Value QC

RPD Qualifier

Chloride

Chloride

464

16.0

02/15/2018

ND

416

104

400

Sample ID: S-13 (H800450-02)

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Analyte Result 64.0

Reporting Limit Analyzed 02/15/2018 16.0

Method Blank ND

BS 416 % Recovery 104

True Value QC 400

RPD

Qualifier

0.00

0.00

Cardinal Laboratories

Received by OCD: 7/6/2022 12:29:32 PM

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Page 2 of 4

### **Notes and Definitions**

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS QM-07

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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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

5.13	Company Name: 7 (an Lill)  Project Manager: 1/2 (1/2 City: 1/2 Lill)  City: 1/2 Lill (1/2 State: MM Zip: 882  Phone #: 575 746 876 Fax #: 575 746 8  Project Name: 1/2 Lill (2/2 Count)  Project Location: 1/2 Count)  Sampler Name: 5 Lall (2/2 Count)  Grant Name: 6 Count (2/2 Count)  Sampler Name: 5 Lall (2/2 Count)  Sampler Name: 5 Lall (2/2 Count)  Grant Name: 6 Count (2/2 Count)  Sampler Name: 5 Lall (2/2 Count)  Grant Name: 6 Count (2/2 Count)  Sampler Name: 5 Lall (2/2 Count)  Sampler Name: 5 Lall (2/2 Count)  Sampler Name: 5 Lall (2/2 Count)  Sampler Name: 6 Count (2/2 Count)  Sampler Name: 7 Lall (2/2 Count	(ETE) 202-2226 FAX (575) 393-24/6
	SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME	
	ANALYSIS REQUEST	

analyses. All daims including those for negligence and any other cause whatsoever shall be de-service. In no event shall Cardinal be liable for incidental or consequential damages, including w Relinquished By: Relinquished By: Time: 1620 Received By: ed by Cardinal within 30 days after completion of the applicable ed by client, its subsidiaries. Phone Result: Fax Result: REMARKS: ☐ Yes ☐ No

Add'l Phone #:

Sample Condition
Cool Intact
Cool Intact
Pres Tres
No No CHECKED BY: (Initials)

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

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

4.30

Time:

Received By:



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.

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,

Celeg D. Keine

Celey D. Keene

Lab Director/Quality Manager

Released to Imaging: 9/20/2022 3:23:23 PM



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

### Analytical Results For:

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

Fax To:

(575) 745-8905

Received:

02/19/2018

Sampling Date:

02/15/2018

Reported:

02/20/2018

Sampling Type:

Soil

Project Name:

BILLIKEN CTB

Sampling Condition:

\*\* (See Notes)

Project Number: Project Location:

Analyte

700794.233.01 DEVON-LEA COUNTY Sample Received By:

Tamara Oldaker

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

Chloride, SM4500Cl-B

mg/kg

Analyzed By: AC

Result Reporting Limit

Analyzed

Method Blank

% Recovery

True Value QC

RPD

Qualifier

Chloride

272

16.0 02/2

02/20/2018

ND

BS 416

104

400

3.77

Qua

Cardinal Laboratories

Received by OCD: 7/6/2022 12:29:32 PM

\*=Accredited Analyte

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Celeg & Frene

ND

### Received by OCD: 7/6/2022 12:29:32 PM

### CARDINAL Laboratories

### **Notes and Definitions**

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

Analyte NOT DETECTED at or above the reporting limit

Cardinal Laboratories

\*=Accredited Analyte

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Celeg Steene

### 

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Talon/I DC		AMALYSIS REQUES!
Project Manager: 4 CMbs/	P.O. 虾	1
Ve.	company: Talon/LPE	
city: Artesia state; NM zip: 88210	270 Affn:	
-746-8768	)5 Address:	
Project #: 700794, 333.0 / Project Owner: 12657	777 City:	
me: FUNCKER C	State: Zip:	
200	Phone #;	
	Fax来	
	matrix preservi sampling	LING
OR (C)OMP.  AINERS  DWATER	MATER  E	
# CON		<del>[</del>
18-1 WO	( 2/15/18	1/8 3:00
	,	
PLEASE NOTE: Librilly and Compage. Cardinal's highly and client's exclusive formety for any claim exicity whether beset in contractor for, shill be impact to the empiricy and it to be clear that any client with the client of the the analysis and contract in children there for regignmen and any other cause whiteness will be determed whiten things made in whiten and caused white and up and a contract by client is selected and any other cause whiteness including whiten the contract of the contract by client is selected and any other cause whiteness included whiteness whiteness are contracted by client is selected and any other causes whiteness are contracted by client is selected and any other causes whiteness are caused and any other causes whiteness are contracted by client is selected and any other causes whiteness are caused any other causes.	whether based in contract or tort, shall be limited to the amount onless made in writing and received by Cardhal within 30 days to less of peofice in writing and received by Cardhal within 30 days	yadi by the client for the name of the applicable into the completion of the applicable by client, its subcidiantos,
afflicted or successors affeing out of or related to the pedarmance of services betweender by Carolinal, regardless of wate Relingful Shed By:    Relingful Shed By:	of services hereunder by Cardinal, regardless of whether such plain is based upon any at the service state of such modes. I have a large service of the service state of the serv	t 🗆 Yes 🗀 No
Times of Marin		E

No No No

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

<sup>†</sup> 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

Released to Imaging: 9/20/2022 3:23:23 PM

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

### 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)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
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%	6 41-142							
Surrogate: 1-Chlorooctadecane	88.8 %	6 37.6-14	7						

Cardinal Laboratories

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\*=Accredited Analyte

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Celey D. Keine

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

03/01/2018 Received: 03/06/2018 Reported:

BILLIKEN 6 FEDEERAL #1 Project Name: Project Number: 700794.225.01

DEVON - LEA CO NM 1RP-4761 Project Location:

Sampling Date:

Sample Received By:

02/28/2018 Sampling Type: Soil

Sampling Condition:

Cool & Intact

Tamara Oldaker

### 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	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	117 %	6 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	91.79	% 41-142							
Surrogate: 1-Chlorooctadecane	83.1 9	% 37.6-14	7						

Cardinal Laboratories

Received by OCD: 7/6/2022 12:29:32 PM

\*=Accredited Analyte

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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 Location:

Project Name:

700794,225.01

DEVON - LEA CO NM 1RP-4761

Sampling Date:

02/28/2018 Soil

Sampling Type: Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

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

BTEX 8021B	mg/	'kg	Analyze	ed 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		Analyzed By: MS			W-1			
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 %	6 41-142	:						
Surrogate: 1-Chlorooctadecane	89.8 9	% 37.6-14	7						

Cardinal Laboratories

\*=Accredited Analyte

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Released to Imaging: 9/20/2022 3:23:23 PM

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	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	120 9	% 72-148							
TPH 8015M	mg/kg		Analyzed By: MS			<del>77-4</del> 7			
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	96.25	% 41-142							
Surrogate: 1-Chlorooctadecane	84.8 9	% 37.6-14	7						

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\*=Accredited Analyte

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

BTEX 8021B	mg/	kg	Analyze	d By: MS	±00000				
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	117 %	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	94.7 %	6 41-142							
Surrogate: 1-Chlorooctadecane	82.5 %	6 37.6-14	7						

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\*=Accredited Analyte

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Celey D. Keine

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		Address commencers			
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 %	6 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 %	6 41-142							
Surrogate: 1-Chlorooctadecane	83.5 %	6 37.6-147	7						

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

Chloride, SM4500Cl-B	mg	/kg	Analyze	d 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			P.					*- A caradit	ad Analuta
Cardinal Laboratories								Accredi	ted Analyte
PLEASE NOTE: Uability and Damages, Cardin any other cause whatsoever shall be deemed including, without limitation, business interruption daim is based upon any of the above stated reasons or	waived unless made in is, loss of use, or loss	writing and received by C of profits incurred by clien	ardinal within thirty (30) it, its subsidiaries, affiliate	days after completion of s or successors arising o	f the applicable out of or relat	e service. In no even ed to the performance	it shall Cardinal be liable t	for incidental or	consequential damages
allegant	Ene_								
Celey D. Keene, Lab Directo	or/Quality Man	ager							
								Pac	e 7 of 10

### Cardinal Laboratories

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

### 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	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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\*=Accredited Analyte

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Celeg & Keene

### **Notes and Definitions**

The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch QR-03

accepted based on LCS and/or LCSD recovery and/or RPD values.

The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS OM-07

recovery.

Analyte NOT DETECTED at or above the reporting limit ND

Relative Percent Difference RPD

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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Received by OCD: 7/6/2022 12:29:32 PM

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

tag 1007

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		97,118		ANALYSIS REQUEST	
Kim	rain	r, O, 班			
Address: 408 W. Texas Ave.		company: Talon/LPE			<del></del>
MN sates	Zip: 88210	Affin	,		
Phone 数 575-746-8768	46-8905	Address	ا سر د		
Project #: 700794.335.01 Project Owner:	Devon	Cilyr	 _		
Project Name: Billiker 6 Febera	O#1	State: Zip:	eo		·····
ed Oty	4761	Phone 孝	d	·	
Sampler Names Kin Wilson		ではま			
FOR LAB USE ONLY	XISTAM	PRESERV. SAMPLING			
Lab LD, Sample LD,	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE/COOL, OTHER:	BIEX TPH U	TPH et	
1 S-1 .3.0' BHM	6111	1 2/26/18	7.50		
2 5-3 1.5' BHM	6	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	20:02		
3 S-8 Sw sidewall	0		7:25 / /		
4 S-11 N widewall-	6	_	1.48 / /		
S S- 12 Litisidewall sylcome			7:56 / /		
6 S-13 Esidewall seconer			7:33		
		- /	7:38		
8 S-15 SE didental	<u> </u>		7:28		
3 S-10 W. sidewall middle			7:45		
FLEXIE MOTE: Librilly and Samiges, Canahal's labilly and cliente exclusive inductive inductive the connect velves of the canada in walling and sealest for small be furthed to do smourt jets by the clean both analysis and sealest for any other cause whether expeliable.	n fillith ty epatt seeing health, battel in court	iter ion, shall be limited to the amount paid id received by Cardinal willing an days after	completion of the applicable		• [
affiliates or suppressed an elemental or an el	andinal, regardless of Whether such claim	, insert a been day of the above stated more	pied recease of alterwise.		

Sampler - UFS - Bes - Other

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

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

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

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

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

CONDITIONS

Action 123150

### **CONDITIONS**

Operator:	OGRID:
DEVON ENERGY PRODUCTION COMPANY, LP	6137
333 West Sheridan Ave.	Action Number:
Oklahoma City, OK 73102	123150
	Action Type:
	[C-141] Release Corrective Action (C-141)

### CONDITIONS

Created By	Condition	Condition Date
amaxwel	None None	9/20/2022