

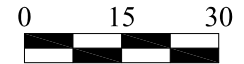
**RECEIVED**

By OCD District 1 at 3:24 pm, Jul 27, 2015

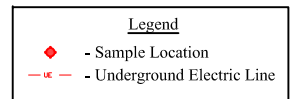
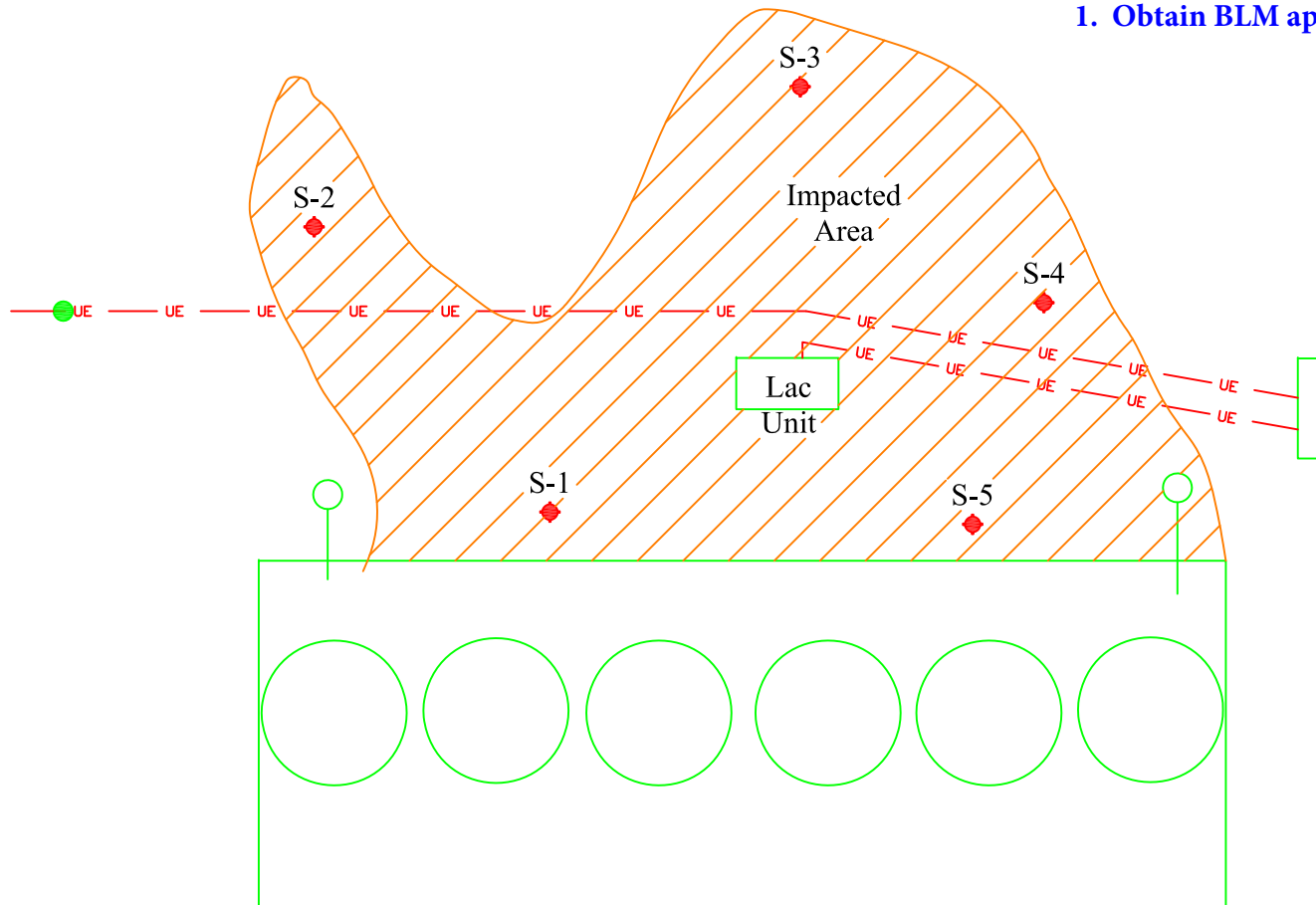
**APPROVED**

By OCD District 1 at 3:24 pm, Jul 27, 2015

1. Obtain BLM approval/concurrence.



Scale in Feet



Date: 07/23/2015

Scale: 1" = 30'

Drawn By: TJS

Fox Glove 29-6H  
Bridger Group, LLC  
Lea County, New Mexico  
Figure 1 - Site Plan



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the  
POD suffix indicates the  
POD has been replaced  
& no longer serves a  
water right file.)

(R=POD has  
been replaced,  
O=orphaned,  
C=the file is  
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 02277</a>			LE	2	3	4	20	23S	33E	632663	3572970*	510	550	400	150

Average Depth to Water: 400 feet

Minimum Depth: 400 feet

Maximum Depth: 400 feet

Record Count: 1

Basin/County Search:

County: Lea

UTMNAD83 Radius Search (in meters):

Easting (X): 632569

Northing (Y): 3572468

Radius: 1000

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.



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

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July 22, 2015

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: BRIDGER OXY-FOXGLOVE

Enclosed are the results of analyses for samples received by the laboratory on 07/21/15 12:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [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:	07/21/2015	Sampling Date:	07/21/2015
Reported:	07/22/2015	Sampling Type:	Soil
Project Name:	BRIDGER OXY-FOXGLOVE	Sampling Condition:	Cool & Intact
Project Number:	701834.003.02	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: S-1 .75' (H501887-01)**

BTX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.083</b>	0.050	07/21/2015	ND	1.95	97.3	2.00	0.911	
<b>Toluene*</b>	<b>0.311</b>	0.050	07/21/2015	ND	1.92	96.2	2.00	1.85	
<b>Ethylbenzene*</b>	<b>0.074</b>	0.050	07/21/2015	ND	2.13	107	2.00	0.884	
<b>Total Xylenes*</b>	<b>0.214</b>	0.150	07/21/2015	ND	5.54	92.3	6.00	0.795	
<b>Total BTX</b>	<b>0.682</b>	0.300	07/21/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 85.6-137

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AP				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/22/2015	ND	432	108	400	7.69	

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	07/22/2015	ND	199	99.4	200	2.95	
DRO >C10-C28	<10.0	10.0	07/22/2015	ND	198	99.2	200	6.01	

Surrogate: 1-Chlorooctane 97.9 % 47.2-157

Surrogate: 1-Chlorooctadecane 108 % 52.1-176

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:	07/21/2015	Sampling Date:	07/21/2015
Reported:	07/22/2015	Sampling Type:	Soil
Project Name:	BRIDGER OXY-FOXGLOVE	Sampling Condition:	Cool & Intact
Project Number:	701834.003.02	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: S-1 2' (H501887-02)**

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	07/22/2015	ND	1.95	97.3	2.00	0.911		
Toluene*	<0.050	0.050	07/22/2015	ND	1.92	96.2	2.00	1.85		
Ethylbenzene*	<0.050	0.050	07/22/2015	ND	2.13	107	2.00	0.884		
Total Xylenes*	<0.150	0.150	07/22/2015	ND	5.54	92.3	6.00	0.795		
Total BTX	<0.300	0.300	07/22/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 85.6-137

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AP							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/22/2015	ND	432	108	400	7.69		

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	07/22/2015	ND	199	99.4	200	2.95		
DRO >C10-C28	87.2	10.0	07/22/2015	ND	198	99.2	200	6.01		

Surrogate: 1-Chlorooctane 112 % 47.2-157

Surrogate: 1-Chlorooctadecane 122 % 52.1-176

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\*=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: 07/21/2015  
Reported: 07/22/2015  
Project Name: BRIDGER OXY-FOXGLOVE  
Project Number: 701834.003.02  
Project Location: NOT GIVEN

Sampling Date: 07/21/2015  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Jodi Henson

**Sample ID: S-1 3' (H501887-03)**

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	07/22/2015	ND	1.95	97.3	2.00	0.911	
Toluene*	<0.050	0.050	07/22/2015	ND	1.92	96.2	2.00	1.85	
Ethylbenzene*	<0.050	0.050	07/22/2015	ND	2.13	107	2.00	0.884	
Total Xylenes*	<0.150	0.150	07/22/2015	ND	5.54	92.3	6.00	0.795	
Total BTX	<0.300	0.300	07/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/22/2015	ND	432	108	400	7.69	

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	07/22/2015	ND	199	99.4	200	2.95	
DRO >C10-C28	<10.0	10.0	07/22/2015	ND	198	99.2	200	6.01	

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 112 % 52.1-176

**Sample ID: S-1 4' (H501887-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/22/2015	ND	432	108	400	7.69	

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\*=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:	07/21/2015	Sampling Date:	07/21/2015
Reported:	07/22/2015	Sampling Type:	Soil
Project Name:	BRIDGER OXY-FOXGLOVE	Sampling Condition:	Cool & Intact
Project Number:	701834.003.02	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: S-2 .75' (H501887-05)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.082	0.050	07/22/2015	ND	1.95	97.3	2.00	0.911	
Toluene*	0.177	0.050	07/22/2015	ND	1.92	96.2	2.00	1.85	
Ethylbenzene*	0.054	0.050	07/22/2015	ND	2.13	107	2.00	0.884	
Total Xylenes*	<0.150	0.150	07/22/2015	ND	5.54	92.3	6.00	0.795	
Total BTEX	0.430	0.300	07/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/22/2015	ND	432	108	400	7.69		

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	07/22/2015	ND	199	99.4	200	2.95	
DRO >C10-C28	<10.0	10.0	07/22/2015	ND	198	99.2	200	6.01	

Surrogate: 1-Chlorooctane 95.2 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

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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:	07/21/2015	Sampling Date:	07/21/2015
Reported:	07/22/2015	Sampling Type:	Soil
Project Name:	BRIDGER OXY-FOXGLOVE	Sampling Condition:	Cool & Intact
Project Number:	701834.003.02	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: S-2 2' (H501887-06)**

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	07/22/2015	ND	1.95	97.3	2.00	0.911	
<b>Toluene*</b>	<b>0.301</b>	0.050	07/22/2015	ND	1.92	96.2	2.00	1.85	
<b>Ethylbenzene*</b>	<b>0.132</b>	0.050	07/22/2015	ND	2.13	107	2.00	0.884	
<b>Total Xylenes*</b>	<b>0.378</b>	0.150	07/22/2015	ND	5.54	92.3	6.00	0.795	
<b>Total BTX</b>	<b>0.811</b>	0.300	07/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	07/22/2015	ND	432	108	400	7.69	

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	07/22/2015	ND	199	99.4	200	2.95	
DRO >C10-C28	<10.0	10.0	07/22/2015	ND	198	99.2	200	6.01	

Surrogate: 1-Chlorooctane 95.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

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\*=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:	07/21/2015	Sampling Date:	07/21/2015
Reported:	07/22/2015	Sampling Type:	Soil
Project Name:	BRIDGER OXY-FOXGLOVE	Sampling Condition:	Cool & Intact
Project Number:	701834.003.02	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: S-2 3' (H501887-07)**

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	07/22/2015	ND	1.95	97.3	2.00	0.911	
Toluene*	<0.050	0.050	07/22/2015	ND	1.92	96.2	2.00	1.85	
Ethylbenzene*	<0.050	0.050	07/22/2015	ND	2.13	107	2.00	0.884	
Total Xylenes*	<0.150	0.150	07/22/2015	ND	5.54	92.3	6.00	0.795	
Total BTEX	<0.300	0.300	07/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/22/2015	ND	432	108	400	7.69	

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	07/22/2015	ND	199	99.4	200	2.95	
DRO >C10-C28	<10.0	10.0	07/22/2015	ND	198	99.2	200	6.01	

Surrogate: 1-Chlorooctane 94.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

**Sample ID: S-2 4' (H501887-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/22/2015	ND	416	104	400	0.00	

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\*=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:	07/21/2015	Sampling Date:	07/21/2015
Reported:	07/22/2015	Sampling Type:	Soil
Project Name:	BRIDGER OXY-FOXGLOVE	Sampling Condition:	Cool & Intact
Project Number:	701834.003.02	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: S-3 .75' (H501887-09)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.066	0.050	07/22/2015	ND	1.95	97.3	2.00	0.911	
Toluene*	0.179	0.050	07/22/2015	ND	1.92	96.2	2.00	1.85	
Ethylbenzene*	<0.050	0.050	07/22/2015	ND	2.13	107	2.00	0.884	
Total Xylenes*	<0.150	0.150	07/22/2015	ND	5.54	92.3	6.00	0.795	
Total BTX	<0.300	0.300	07/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/22/2015	ND	416	104	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	07/22/2015	ND	199	99.4	200	2.95	
DRO >C10-C28	<10.0	10.0	07/22/2015	ND	198	99.2	200	6.01	

Surrogate: 1-Chlorooctane 97.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 107 % 52.1-176

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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:	07/21/2015	Sampling Date:	07/21/2015
Reported:	07/22/2015	Sampling Type:	Soil
Project Name:	BRIDGER OXY-FOXGLOVE	Sampling Condition:	Cool & Intact
Project Number:	701834.003.02	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: S-3 2' (H501887-10)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.668</b>	0.050	07/22/2015	ND	1.95	97.3	2.00	0.911	
<b>Toluene*</b>	<b>3.49</b>	0.050	07/22/2015	ND	1.92	96.2	2.00	1.85	
<b>Ethylbenzene*</b>	<b>0.618</b>	0.050	07/22/2015	ND	2.13	107	2.00	0.884	
<b>Total Xylenes*</b>	<b>1.82</b>	0.150	07/22/2015	ND	5.54	92.3	6.00	0.795	
<b>Total BTX</b>	<b>6.59</b>	0.300	07/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/22/2015	ND	416	104	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	07/22/2015	ND	199	99.4	200	2.95	
DRO >C10-C28	<10.0	10.0	07/22/2015	ND	198	99.2	200	6.01	

Surrogate: 1-Chlorooctane 97.6 % 47.2-157

Surrogate: 1-Chlorooctadecane 104 % 52.1-176

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\*=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:	07/21/2015	Sampling Date:	07/21/2015
Reported:	07/22/2015	Sampling Type:	Soil
Project Name:	BRIDGER OXY-FOXGLOVE	Sampling Condition:	Cool & Intact
Project Number:	701834.003.02	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

**Sample ID: S-3 3' (H501887-11)**

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	07/22/2015	ND	1.95	97.3	2.00	0.911	
Toluene*	<0.050	0.050	07/22/2015	ND	1.92	96.2	2.00	1.85	
Ethylbenzene*	<0.050	0.050	07/22/2015	ND	2.13	107	2.00	0.884	
Total Xylenes*	<0.150	0.150	07/22/2015	ND	5.54	92.3	6.00	0.795	
Total BTEX	<0.300	0.300	07/22/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/22/2015	ND	416	104	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	07/22/2015	ND	199	99.4	200	2.95	
DRO >C10-C28	<10.0	10.0	07/22/2015	ND	198	99.2	200	6.01	

Surrogate: 1-Chlorooctane 95.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 103 % 52.1-176

**Sample ID: S-3 4' (H501887-12)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/22/2015	ND	416	104	400	0.00	

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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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Celey D. Keene, Lab Director/Quality Manager





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

#54





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

#54

July 24, 2015

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: FOXGLOVE

Enclosed are the results of analyses for samples received by the laboratory on 07/23/15 15:01.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [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: 07/23/2015  
 Reported: 07/24/2015  
 Project Name: FOXGLOVE  
 Project Number: 70183400302  
 Project Location: LEA

 Sampling Date: 07/23/2015  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Judy Garcia

**Sample ID: S-4 .75' (H501924-01)**

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	07/24/2015	ND	1.92	95.9	2.00	0.776	
Toluene*	<0.050	0.050	07/24/2015	ND	1.92	96.2	2.00	1.40	
Ethylbenzene*	<0.050	0.050	07/24/2015	ND	2.05	103	2.00	2.64	
Total Xylenes*	<0.150	0.150	07/24/2015	ND	5.38	89.6	6.00	2.81	
Total BTEX	<0.300	0.300	07/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 85.6-137

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/24/2015	ND	416	104	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	07/24/2015	ND	182	90.9	200	0.943	
DRO >C10-C28	16.9	10.0	07/24/2015	ND	186	93.0	200	0.951	

Surrogate: 1-Chlorooctane 98.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 112 % 52.1-176

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: 07/23/2015  
Reported: 07/24/2015  
Project Name: FOXGLOVE  
Project Number: 70183400302  
Project Location: LEA

Sampling Date: 07/23/2015  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Judy Garcia

**Sample ID: S-S .75' (H501924-02)**

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	07/24/2015	ND	1.92	95.9	2.00	0.776	
Toluene*	<0.050	0.050	07/24/2015	ND	1.92	96.2	2.00	1.40	
Ethylbenzene*	<0.050	0.050	07/24/2015	ND	2.05	103	2.00	2.64	
Total Xylenes*	<0.150	0.150	07/24/2015	ND	5.38	89.6	6.00	2.81	
Total BTX	<0.300	0.300	07/24/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 85.6-137

Chloride, SM4500CI-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/24/2015	ND	416	104	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	07/24/2015	ND	182	90.9	200	0.943	
DRO >C10-C28	<10.0	10.0	07/24/2015	ND	186	93.0	200	0.951	

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 117 % 52.1-176

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

### Notes and Definitions

QM-4X	The spike recovery was outside of QC acceptance limits for the MS and/or MSD due to analyte concentration at 4 times or greater the spike concentration. The QC batch was accepted based on LCS and/or LCSD recoveries within the acceptance limits.
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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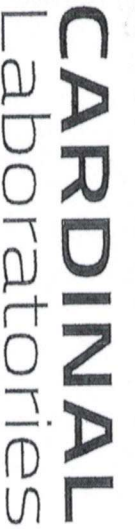
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Celey D. Keene, Lab Director/Quality Manager



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