

**RECEIVED**

*By OCD District 1 at 2:10 pm, Jun 03, 2015*

# Fred Turner Battery Site Reclamation

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## MCBU Safe Digging Plan

**APPROVED**

*By OCD District 1 at 2:10 pm, Jun 03, 2015*

### 1. **Contacts.**

- A. Caleb Weaver, FE, Chevron, 432-235-9382
- B. Russell Dotson, FE, Chevron, 713-516-4977
- C. David Mathews, Construction Rep, Chevron, 318-237-2371
- D. Bobby Hill, Operations Supervisor, Chevron, 575-631-9108
- E. Andrew Barringer, FE Team Lead, Chevron, 432-687-7647
- F. David Frederick, Watson Construction, 432-803-3598

### 2. **Background Information.**

The Fred Turner #3 has been plugged and abandoned. The facilities team will be reclaiming the site and cleaning up a spill within the berm area.

### 3. **Planning.**

Work scope for this dig plan includes the removal of the caliche from the pad and lease road, and placing a berm along the entrance to the lease road in order to prevent access to the reclaimed site. It also includes removal of contaminated soil from the berm area, and refilling the area with clean topsoil. The site was swept for lines by D&D Professional Line finding services, TexMex line finders, and Watson Construction line finders. There will be no identified line crossings once earth work begins.

### 4. **Goal.**

The goal of this project is to safely reclaim the site with incident free operations (IFO). There is always additional time granted for performing the job in the safest manner. You are required to use your Stop Work Authority (SWA) when the situation dictates, conditions change or new hazards are identified.

### 5. **Remediation Plan.**

Three tanks on the Fred Turner #3 have been removed from the location and disposed of. The soil underneath these three tanks was found to have been contaminated by oil and produced water. A new berm will be placed along the remaining tanks on the location, and the old berm will be removed (Figure 1).

Inside the berm, there is an extra 2.5 ft of soil above ground level. This soil will be removed and disposed of.

Soil samples will then be taken in a grid. These samples will be tested to determine if the soil has been contaminated. If the tests reveal that the soil has been contaminated, we will dig down and remove extra soil. Another round of tests will be taken to determine if there is any contamination in the remaining soil.

If the tests show no contamination in the soil, then remediation of the site will continue, and the location will be returned to its natural state.

Location Map/One Call Line Identification





**Location relative to Hobbs, NM.**

Leave Hobbs, NM, by heading south on Highway 18 for approximately 7.4 miles.  
Turn west onto Highway 45 (Billy Walker Rd) and continue straight for approximately 3.5 miles.  
Turn north onto Goodson Ln, and continue straight for approximately 0.35 miles.  
Turn east onto lease road, and continue straight for approximately 0.1 miles, and location will be on the left (north) side of the road.

Existing lines, line crossings, one call. One call process has been followed. The One Call is available in **Appendix #3**. All known and marked lines have been removed from the location. The lines were removed to a minimum of 30 feet from the edge of the location

New Mexico One Call

Locate Request Confirmation

Header Code: STANDARD LOCATE

Request Type:

Ticket No: 2015202913 Seq. No: 0

Update of:

Original Call Date: 05/15/2015 Time: 08:52:02 AM OP: 317

Transmit Date: 05/15/2015 Time: 08:54:29 AM

Work to Begin Date: 05/19/2015 Time: 08:41:00 AM

Company: WATSON CONSTRUCTION

Contact Name: DAVID FREDRICK Contact Phone: (432)803-3598

Alternate Contact: Alternate Phone:

Best Time to Call: Fax No:

Cell Phone: Pager No:

Email: [kyatwoodwcc@outlook.com](mailto:kyatwoodwcc@outlook.com)

State: NM County: LEA City: RURAL LEA

Address: , FRED TURNER BATTERY

To Address:

Nearest Intersecting Street: 32.59654/-103.18411

2nd Intersecting Street:

Subdivision:

Latitude: 32.59657950 Longitude: -103.18408300

Zip Code:

Grid:

Location of Work: FRM INTER OF NM18 & BILLY WALKER RD, W ON BILLY  
WALKER RD 3.5MI, TRN N ON LEASE RD 0.3MI, TRN E  
0.2MI INTO LOCATION. SPOT:200FT RADIUS OF SURVEY  
STAKES WITH WHITE RIBBON IN CENTER OF LOCATION.

Remarks: OPEN ACCESS; POSSIBLE H2S.

Type of Work: SOIL REMEDIATION

Private Property: Street: Overhead Lines: Blasting:

Easement: Mechanical Boring: Premarked: Y

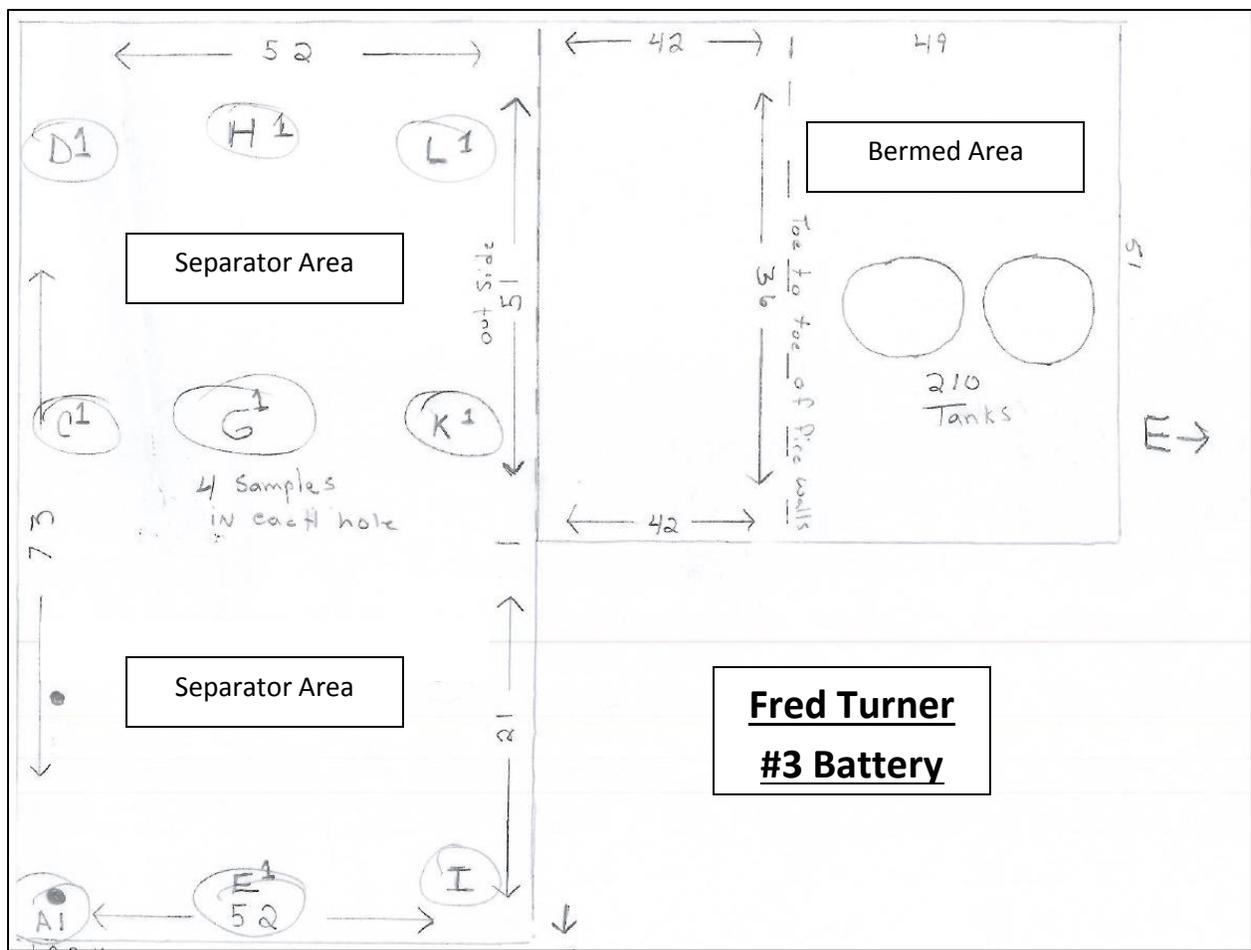
Work Being Done For: CHEVRON

The following utility owners have been notified:

OXYS RGAS REC3 MONU EUCE  
EP19 EUPL

Member name	Station code	Ticket status	Type	View
OXY PERMIAN - SOUTH	OXYS	UFO CLEARED	PIPELINE	<a href="#">View</a>
CHEVRON EXPLORATION & PRODUCTION - EUNICE	EUCE	SITE MARKED	ALL	<a href="#">View</a>
RICE-EME	REC3	SITE MARKED	PIPELINE	<a href="#">View</a>
EPNG/KINDER MORGAN - PLAINS	EP19	UFO CLEARED	CHOOSE ONE OPTION	<a href="#">View</a>
TARGA RESOURCES - MONUMENT	MONU	SITE MARKED	CHOOSE ONE OPTION	<a href="#">View</a>
PLAINS PIPELINE, LP	EUPL	SITE MARKED	CHOOSE ONE OPTION	<a href="#">View</a>
REGENCY GAS	RGAS	UFO CLEARED	CHOOSE ONE OPTION	<a href="#">View</a>





Four samples were taken in each hole, at 1 ft, 2 ft, 3 ft, and 4 ft.



May 29, 2015

DAVID MATTHEWS  
CHEVRON - HOBBS  
1616 W. BENDER  
HOBBS, NM 88240

RE: FRED TURNER BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 05/22/15 13:00.

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,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene  
Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: A @ 1' (H501295-01)**

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	05/26/2015	ND	1.68	84.0	2.00	3.46	
Toluene*	<0.050	0.050	05/26/2015	ND	1.84	92.1	2.00	1.04	
Ethylbenzene*	<0.050	0.050	05/26/2015	ND	1.72	86.1	2.00	3.52	
Total Xylenes*	<0.150	0.150	05/26/2015	ND	5.07	84.4	6.00	2.89	
Total BTEX	<0.300	0.300	05/26/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 114 % 61-154*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>656</b>	16.0	05/27/2015	ND	432	108	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	05/23/2015	ND	168	84.0	200	0.286	
<b>DRO &gt;C10-C28</b>	<b>61.6</b>	10.0	05/23/2015	ND	179	89.7	200	1.71	

*Surrogate: 1-Chlorooctane 105 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 131 % 52.1-176*

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: A @ 2' (H501295-02)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2015	ND	1.68	84.0	2.00	3.46	
Toluene*	<0.050	0.050	05/26/2015	ND	1.84	92.1	2.00	1.04	
Ethylbenzene*	<0.050	0.050	05/26/2015	ND	1.72	86.1	2.00	3.52	
Total Xylenes*	<0.150	0.150	05/26/2015	ND	5.07	84.4	6.00	2.89	
Total BTEX	<0.300	0.300	05/26/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 114 % 61-154*

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>160</b>	16.0	05/27/2015	ND	432	108	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	05/23/2015	ND	168	84.0	200	0.286	
DRO >C10-C28	<10.0	10.0	05/23/2015	ND	179	89.7	200	1.71	

*Surrogate: 1-Chlorooctane 97.5 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 118 % 52.1-176*

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: A @ 3' (H501295-03)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/26/2015	ND	1.68	84.0	2.00	3.46		
Toluene*	<0.050	0.050	05/26/2015	ND	1.84	92.1	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/26/2015	ND	1.72	86.1	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/26/2015	ND	5.07	84.4	6.00	2.89		
Total BTEX	<0.300	0.300	05/26/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154*

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>864</b>	16.0	05/27/2015	ND	432	108	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	05/23/2015	ND	168	84.0	200	0.286		
DRO >C10-C28	<10.0	10.0	05/23/2015	ND	179	89.7	200	1.71		

*Surrogate: 1-Chlorooctane 103 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 114 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: A @ 4' (H501295-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2015	ND	1.68	84.0	2.00	3.46	
Toluene*	<0.050	0.050	05/26/2015	ND	1.84	92.1	2.00	1.04	
Ethylbenzene*	<0.050	0.050	05/26/2015	ND	1.72	86.1	2.00	3.52	
Total Xylenes*	<0.150	0.150	05/26/2015	ND	5.07	84.4	6.00	2.89	
Total BTEX	<0.300	0.300	05/26/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154*

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>1040</b>	16.0	05/27/2015	ND	432	108	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	05/23/2015	ND	168	84.0	200	0.286	
DRO >C10-C28	<10.0	10.0	05/23/2015	ND	179	89.7	200	1.71	

*Surrogate: 1-Chlorooctane 111 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 126 % 52.1-176*

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: C @ 1' (H501295-05)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/26/2015	ND	1.68	84.0	2.00	3.46		
Toluene*	<0.050	0.050	05/26/2015	ND	1.84	92.1	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/26/2015	ND	1.72	86.1	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/26/2015	ND	5.07	84.4	6.00	2.89		
Total BTEX	<0.300	0.300	05/26/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 115 % 61-154*

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>64.0</b>	16.0	05/27/2015	ND	432	108	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	05/26/2015	ND	168	84.0	200	0.286		
<b>DRO &gt;C10-C28</b>	<b>153</b>	10.0	05/26/2015	ND	179	89.7	200	1.71		

*Surrogate: 1-Chlorooctane 96.0 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 110 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: C @ 2' (H501295-06)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/26/2015	ND	1.68	84.0	2.00	3.46		
Toluene*	<0.050	0.050	05/26/2015	ND	1.84	92.1	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/26/2015	ND	1.72	86.1	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/26/2015	ND	5.07	84.4	6.00	2.89		
Total BTEX	<0.300	0.300	05/26/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154*

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	05/27/2015	ND	432	108	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	05/26/2015	ND	168	84.0	200	0.286		
<b>DRO &gt;C10-C28</b>	<b>48.7</b>	10.0	05/26/2015	ND	179	89.7	200	1.71		

*Surrogate: 1-Chlorooctane 102 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 111 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: C @ 3' (H501295-07)**

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	05/26/2015	ND	1.68	84.0	2.00	3.46		
Toluene*	<0.050	0.050	05/26/2015	ND	1.84	92.1	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/26/2015	ND	1.72	86.1	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/26/2015	ND	5.07	84.4	6.00	2.89		
Total BTEX	<0.300	0.300	05/26/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154*

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	05/27/2015	ND	432	108	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	05/26/2015	ND	168	84.0	200	0.286		
<b>DRO &gt;C10-C28</b>	<b>506</b>	10.0	05/26/2015	ND	179	89.7	200	1.71		

*Surrogate: 1-Chlorooctane 106 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 129 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: C @ 4' (H501295-08)**

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	05/26/2015	ND	1.68	84.0	2.00	3.46		
Toluene*	<0.050	0.050	05/26/2015	ND	1.84	92.1	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/26/2015	ND	1.72	86.1	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/26/2015	ND	5.07	84.4	6.00	2.89		
Total BTEX	<0.300	0.300	05/26/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 114 % 61-154*

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>96.0</b>	16.0	05/27/2015	ND	432	108	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	05/23/2015	ND	168	84.0	200	0.286		
<b>DRO &gt;C10-C28</b>	<b>78.3</b>	10.0	05/23/2015	ND	179	89.7	200	1.71		

*Surrogate: 1-Chlorooctane 102 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 125 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: D @ 1' (H501295-09)**

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	05/26/2015	ND	1.68	84.0	2.00	3.46	
Toluene*	<0.050	0.050	05/26/2015	ND	1.84	92.1	2.00	1.04	
Ethylbenzene*	<0.050	0.050	05/26/2015	ND	1.72	86.1	2.00	3.52	
Total Xylenes*	<0.150	0.150	05/26/2015	ND	5.07	84.4	6.00	2.89	
Total BTEX	<0.300	0.300	05/26/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 114 % 61-154*

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	05/27/2015	ND	432	108	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	05/23/2015	ND	168	84.0	200	0.286	
<b>DRO &gt;C10-C28</b>	<b>17.0</b>	10.0	05/23/2015	ND	179	89.7	200	1.71	

*Surrogate: 1-Chlorooctane 101 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 119 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: D @ 2' (H501295-10)**

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	05/26/2015	ND	1.68	84.0	2.00	3.46	
Toluene*	<0.050	0.050	05/26/2015	ND	1.84	92.1	2.00	1.04	
Ethylbenzene*	<0.050	0.050	05/26/2015	ND	1.72	86.1	2.00	3.52	
Total Xylenes*	<0.150	0.150	05/26/2015	ND	5.07	84.4	6.00	2.89	
Total BTEX	<0.300	0.300	05/26/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154*

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>48.0</b>	16.0	05/27/2015	ND	432	108	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	05/23/2015	ND	168	84.0	200	0.286	
DRO >C10-C28	<10.0	10.0	05/23/2015	ND	179	89.7	200	1.71	

*Surrogate: 1-Chlorooctane 102 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 116 % 52.1-176*

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**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: D @ 3' (H501295-11)**

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	05/26/2015	ND	1.68	84.0	2.00	3.46		
Toluene*	<0.050	0.050	05/26/2015	ND	1.84	92.1	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/26/2015	ND	1.72	86.1	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/26/2015	ND	5.07	84.4	6.00	2.89		
Total BTEX	<0.300	0.300	05/26/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154*

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	05/27/2015	ND	432	108	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	05/23/2015	ND	168	84.0	200	0.286		
DRO >C10-C28	<10.0	10.0	05/23/2015	ND	179	89.7	200	1.71		

*Surrogate: 1-Chlorooctane 104 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 116 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: D @ 4' (H501295-12)**

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	05/26/2015	ND	1.68	84.0	2.00	3.46		
Toluene*	<0.050	0.050	05/26/2015	ND	1.84	92.1	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/26/2015	ND	1.72	86.1	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/26/2015	ND	5.07	84.4	6.00	2.89		
Total BTEX	<0.300	0.300	05/26/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 114 % 61-154*

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	05/27/2015	ND	432	108	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	05/23/2015	ND	168	84.0	200	0.286		
DRO >C10-C28	<10.0	10.0	05/23/2015	ND	179	89.7	200	1.71		

*Surrogate: 1-Chlorooctane 98.2 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 113 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: E @ 1' (H501295-13)**

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	05/26/2015	ND	1.68	84.0	2.00	3.46		
Toluene*	<0.050	0.050	05/26/2015	ND	1.84	92.1	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/26/2015	ND	1.72	86.1	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/26/2015	ND	5.07	84.4	6.00	2.89		
Total BTEX	<0.300	0.300	05/26/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>192</b>	16.0	05/27/2015	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<10.0	10.0	05/26/2015	ND	168	84.0	200	0.286			
<b>DRO &gt;C10-C28</b>	<b>642</b>	10.0	05/26/2015	ND	179	89.7	200	1.71			

*Surrogate: 1-Chlorooctane 100 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 190 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: E @ 2' (H501295-14)**

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	05/26/2015	ND	1.68	84.0	2.00	3.46		
Toluene*	<0.050	0.050	05/26/2015	ND	1.84	92.1	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/26/2015	ND	1.72	86.1	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/26/2015	ND	5.07	84.4	6.00	2.89		
Total BTEX	<0.300	0.300	05/26/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>176</b>	16.0	05/27/2015	ND	432	108	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	05/26/2015	ND	168	84.0	200	0.286		
<b>DRO &gt;C10-C28</b>	<b>129</b>	10.0	05/26/2015	ND	179	89.7	200	1.71		

Surrogate: 1-Chlorooctane 104 % 47.2-157

Surrogate: 1-Chlorooctadecane 116 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: E @ 3' (H501295-15)**

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	05/26/2015	ND	1.68	84.0	2.00	3.46		
Toluene*	<0.050	0.050	05/26/2015	ND	1.84	92.1	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/26/2015	ND	1.72	86.1	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/26/2015	ND	5.07	84.4	6.00	2.89		
Total BTEX	<0.300	0.300	05/26/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>272</b>	16.0	05/27/2015	ND	432	108	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	05/26/2015	ND	168	84.0	200	0.286		
<b>DRO &gt;C10-C28</b>	<b>159</b>	10.0	05/26/2015	ND	179	89.7	200	1.71		

Surrogate: 1-Chlorooctane 99.1 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: E @ 4' (H501295-16)**

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	05/26/2015	ND	1.68	84.0	2.00	3.46	
Toluene*	<0.050	0.050	05/26/2015	ND	1.84	92.1	2.00	1.04	
Ethylbenzene*	<0.050	0.050	05/26/2015	ND	1.72	86.1	2.00	3.52	
Total Xylenes*	<0.150	0.150	05/26/2015	ND	5.07	84.4	6.00	2.89	
Total BTEX	<0.300	0.300	05/26/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154*

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>288</b>	16.0	05/27/2015	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	05/23/2015	ND	168	84.0	200	0.286		
<b>DRO &gt;C10-C28</b>	<b>2090</b>	50.0	05/23/2015	ND	179	89.7	200	1.71		

*Surrogate: 1-Chlorooctane 101 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 230 % 52.1-176*

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: G @ 1' (H501295-17)**

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	05/26/2015	ND	1.68	84.0	2.00	3.46		
Toluene*	<0.050	0.050	05/26/2015	ND	1.84	92.1	2.00	1.04		
Ethylbenzene*	<0.050	0.050	05/26/2015	ND	1.72	86.1	2.00	3.52		
Total Xylenes*	<0.150	0.150	05/26/2015	ND	5.07	84.4	6.00	2.89		
Total BTEX	<0.300	0.300	05/26/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154*

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>112</b>	16.0	05/27/2015	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	05/26/2015	ND	168	84.0	200	0.286		
<b>DRO &gt;C10-C28</b>	<b>109</b>	10.0	05/26/2015	ND	179	89.7	200	1.71		

*Surrogate: 1-Chlorooctane 99.0 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 108 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: G @ 2' (H501295-18)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19		
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99		
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78		
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19		
Total BTEX	<0.300	0.300	05/27/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>128</b>	16.0	05/27/2015	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	05/23/2015	ND	168	84.0	200	0.286		
DRO >C10-C28	<10.0	10.0	05/23/2015	ND	179	89.7	200	1.71		

*Surrogate: 1-Chlorooctane 96.4 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 110 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: G @ 3' (H501295-19)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19	
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78	
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19	
Total BTEX	<0.300	0.300	05/27/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154*

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>128</b>	16.0	05/27/2015	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	05/23/2015	ND	168	84.0	200	0.286	
<b>DRO &gt;C10-C28</b>	<b>13.1</b>	10.0	05/23/2015	ND	179	89.7	200	1.71	

*Surrogate: 1-Chlorooctane 98.4 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 115 % 52.1-176*

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**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: G @ 4' (H501295-20)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19	
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78	
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19	
Total BTEX	<0.300	0.300	05/27/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

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>128</b>	16.0	05/27/2015	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	05/23/2015	ND	168	84.0	200	0.286	
<b>DRO &gt;C10-C28</b>	<b>17.5</b>	10.0	05/23/2015	ND	179	89.7	200	1.71	

Surrogate: 1-Chlorooctane 100 % 47.2-157

Surrogate: 1-Chlorooctadecane 124 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: H @ 1' (H501295-21)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19	
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78	
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19	
Total BTEX	<0.300	0.300	05/27/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154*

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	05/27/2015	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	05/26/2015	ND	177	88.3	200	4.29	
DRO >C10-C28	<10.0	10.0	05/26/2015	ND	188	94.0	200	6.98	

*Surrogate: 1-Chlorooctane 93.2 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 101 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: H @ 2' (H501295-22)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19		
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99		
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78		
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19		
Total BTEX	<0.300	0.300	05/27/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

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	05/27/2015	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	05/26/2015	ND	177	88.3	200	4.29		
DRO >C10-C28	<10.0	10.0	05/26/2015	ND	188	94.0	200	6.98		

Surrogate: 1-Chlorooctane 90.5 % 47.2-157

Surrogate: 1-Chlorooctadecane 107 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: H @ 3' (H501295-23)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19		
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99		
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78		
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19		
Total BTEX	<0.300	0.300	05/27/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154*

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	05/27/2015	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	05/26/2015	ND	177	88.3	200	4.29		
<b>DRO &gt;C10-C28</b>	<b>22.2</b>	10.0	05/26/2015	ND	188	94.0	200	6.98		

*Surrogate: 1-Chlorooctane 94.8 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 102 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: H @ 4' (H501295-24)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19		
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99		
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78		
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19		
Total BTEX	<0.300	0.300	05/27/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 111 % 61-154*

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	05/27/2015	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	05/26/2015	ND	177	88.3	200	4.29		
DRO >C10-C28	<10.0	10.0	05/26/2015	ND	188	94.0	200	6.98		

*Surrogate: 1-Chlorooctane 103 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 110 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: I @ 1' (H501295-25)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19		
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99		
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78		
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19		
Total BTEX	<0.300	0.300	05/27/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154*

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	05/27/2015	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	05/26/2015	ND	177	88.3	200	4.29		
<b>DRO &gt;C10-C28</b>	<b>216</b>	10.0	05/26/2015	ND	188	94.0	200	6.98		

*Surrogate: 1-Chlorooctane 97.4 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 114 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: I @ 2' (H501295-26)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19	
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78	
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19	
Total BTEX	<0.300	0.300	05/27/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 111 % 61-154*

Chloride, SM4500Cl-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	05/27/2015	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	05/26/2015	ND	177	88.3	200	4.29	
<b>DRO &gt;C10-C28</b>	<b>32.6</b>	10.0	05/26/2015	ND	188	94.0	200	6.98	

*Surrogate: 1-Chlorooctane 95.7 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 107 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: I @ 3' (H501295-27)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19		
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99		
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78		
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19		
Total BTEX	<0.300	0.300	05/27/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154*

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>64.0</b>	16.0	05/27/2015	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	05/26/2015	ND	177	88.3	200	4.29		
DRO >C10-C28	<10.0	10.0	05/26/2015	ND	188	94.0	200	6.98		

*Surrogate: 1-Chlorooctane 96.8 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 111 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: I @ 4' (H501295-28)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19	
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78	
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19	
Total BTEX	<0.300	0.300	05/27/2015	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154*

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	05/27/2015	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	05/26/2015	ND	177	88.3	200	4.29	
DRO >C10-C28	<10.0	10.0	05/26/2015	ND	188	94.0	200	6.98	

*Surrogate: 1-Chlorooctane 92.2 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 106 % 52.1-176*

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**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: K @ 1' (H501295-29)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19		
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99		
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78		
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19		
Total BTEX	<0.300	0.300	05/27/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 111 % 61-154*

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	05/27/2015	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	05/26/2015	ND	177	88.3	200	4.29		
DRO >C10-C28	<10.0	10.0	05/26/2015	ND	188	94.0	200	6.98		

*Surrogate: 1-Chlorooctane 98.3 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 109 % 52.1-176*

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**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: K @ 2' (H501295-30)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19		
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99		
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78		
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19		
Total BTEX	<0.300	0.300	05/27/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

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	05/27/2015	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	05/26/2015	ND	177	88.3	200	4.29		
DRO >C10-C28	<10.0	10.0	05/26/2015	ND	188	94.0	200	6.98		

Surrogate: 1-Chlorooctane 99.4 % 47.2-157

Surrogate: 1-Chlorooctadecane 109 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: K @ 3' (H501295-31)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19		
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99		
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78		
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19		
Total BTEX	<0.300	0.300	05/27/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154*

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>80.0</b>	16.0	05/27/2015	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	05/26/2015	ND	177	88.3	200	4.29		
DRO >C10-C28	<10.0	10.0	05/26/2015	ND	188	94.0	200	6.98		

*Surrogate: 1-Chlorooctane 100 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 111 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: K @ 4' (H501295-32)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19		
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99		
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78		
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19		
Total BTEX	<0.300	0.300	05/27/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 111 % 61-154*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>80.0</b>	16.0	05/27/2015	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	05/26/2015	ND	177	88.3	200	4.29		
DRO >C10-C28	<10.0	10.0	05/26/2015	ND	188	94.0	200	6.98		

*Surrogate: 1-Chlorooctane 102 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 113 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: L @ 1' (H501295-33)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19		
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99		
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78		
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19		
Total BTEX	<0.300	0.300	05/27/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>96.0</b>	16.0	05/27/2015	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	05/26/2015	ND	177	88.3	200	4.29		
DRO >C10-C28	<10.0	10.0	05/26/2015	ND	188	94.0	200	6.98		

*Surrogate: 1-Chlorooctane 101 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 107 % 52.1-176*

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: L @ 2' (H501295-34)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19		
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99		
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78		
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19		
Total BTEX	<0.300	0.300	05/27/2015	ND						

*Surrogate: 4-Bromofluorobenzene (PID) 115 % 61-154*

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>144</b>	16.0	05/27/2015	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	05/26/2015	ND	177	88.3	200	4.29		
DRO >C10-C28	<10.0	10.0	05/26/2015	ND	188	94.0	200	6.98		

*Surrogate: 1-Chlorooctane 94.2 % 47.2-157*
*Surrogate: 1-Chlorooctadecane 107 % 52.1-176*

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: L @ 3' (H501295-35)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19		
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99		
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78		
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19		
Total BTEX	<0.300	0.300	05/27/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/27/2015	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	05/26/2015	ND	177	88.3	200	4.29		
DRO >C10-C28	<10.0	10.0	05/26/2015	ND	188	94.0	200	6.98		

Surrogate: 1-Chlorooctane 97.0 % 47.2-157

Surrogate: 1-Chlorooctadecane 102 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 CHEVRON - HOBBS  
 DAVID MATTHEWS  
 1616 W. BENDER  
 HOBBS NM, 88240  
 Fax To:

Received:	05/22/2015	Sampling Date:	05/22/2015
Reported:	05/29/2015	Sampling Type:	Soil
Project Name:	FRED TURNER BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

**Sample ID: L @ 4' (H501295-36)**

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	05/27/2015	ND	1.80	89.9	2.00	2.19	
Toluene*	<0.050	0.050	05/27/2015	ND	1.93	96.4	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/27/2015	ND	1.91	95.5	2.00	2.78	
Total Xylenes*	<0.150	0.150	05/27/2015	ND	5.63	93.9	6.00	2.19	
Total BTEX	<0.300	0.300	05/27/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 61-154

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/27/2015	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	05/26/2015	ND	177	88.3	200	4.29	
DRO >C10-C28	<10.0	10.0	05/26/2015	ND	188	94.0	200	6.98	

Surrogate: 1-Chlorooctane 92.3 % 47.2-157

Surrogate: 1-Chlorooctadecane 111 % 52.1-176

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Notes and Definitions**

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- 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



# CARDINAL Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: **CHEVRON**  
Project Manager: **David Mathews**

P.O. #:  
Company:  
Attn:

ANALYSIS REQUEST

Address:  
City: **Hobbs** State: Zip:  
Phone #: Fax #:  
Project #:

Address:  
City:  
State: Zip:

Project Name: **Fred Turner Battery**  
Project Location: **Lee County, NM**

Phone #:  
Fax #:

Sampler Name: **Richard Atkinson**

Phone #:  
Fax #:

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	CL	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
H501295	A 201'		1								5/29/15	1:00			
	A 202'		1												
	A 203'		1												
	A 204'		1												
	C 201'		1												
	C 202'		1												
	C 203'		1												
	C 204'		1												
	B 201'		1												
	B 202'		1												

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Relinquished By: **Richard Atkinson**  
Date: **5/29/15**  
Time: **13:00**  
Received By: **David Henderson**  
Date: \_\_\_\_\_  
Time: \_\_\_\_\_

Phone Result:  Yes  No  Add'l Phone #:  
Fax Result:  Yes  No  Add'l Fax #:  
REMARKS: **David**

Delivered By: (Circle One)  
Sampler - UPS - Bus - Other: **3.42**

CHECKED BY: **[Signature]**  
Sample Condition: Cool  Intact   
Yes  No

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 #c44



# CARDINAL Laboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2

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

Company Name: Chevron P.O. #:            ANALYSIS REQUEST

Project Manager:            Company:           

Address:            Attn:           

City:            State:            Zip:            Address:           

Phone #:            Fax #:            City:            State:            Zip:           

Project #:            Project Owner:            Phone #:           

Project Name:            State:            Zip:           

Project Location:            Phone #:           

Sampler Name:            Fax #:           

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H5012965	D00 3'	G	1						9/22/15 8:00	CL	TPH	BTEX
	D00 4'	G	1									
	D00 1'	G	1									
	D00 2'	G	1									
	D00 3'	G	1									
	D00 4'	G	1									
	D00 1'	G	1									
	D00 2'	G	1									
	D00 3'	G	1									
	D00 4'	G	1									

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Relinquished By:            Date: 9/22/15 Received By:            Time:           

Relinquished By: Richard Ottman Date: 13:00 Received By: Spide Jensen Time:           

Delivered By: (Circle One) UPS Sample Condition: Cool  Intact  40 CHECKED BY:            (Initials)

Sampler - UPS - Bus - Other:            Phone Result:  Yes  No Add'l Phone #:           

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

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 #50



**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

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

Company Name: Devtron

Project Manager:

**BILL TO**

ANALYSIS REQUEST

Address: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 City: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: \_\_\_\_\_  
 Sampler Name: \_\_\_\_\_  
 FOR LAB USE ONLY

P.O. #: \_\_\_\_\_ Company: \_\_\_\_\_  
 Attn: \_\_\_\_\_ Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	CL	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H501295	K031	G	1						5/22/15	10:00	>	>	>	
31	K041	G	1								>	>	>	
33	L021	G	1								>	>	>	
34	L022	G	1								>	>	>	
35	L023	G	1								>	>	>	
36	L024	G	1								>	>	>	

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising under this contract or tort, shall be limited to the amount paid by the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: Richard Atkinson Date: 5/22/15 Received By: Spodi Jensen  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_  
 Time: \_\_\_\_\_

Delivered By: (Circle One) UPS Sample Condition:  Intact  Cool  Yes  No  
 Sampler - UPS - Bus - Other: 40 CHECKED BY: [Signature]  
 Phone Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 Fax Result:  Yes  No Add'l Fax #: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_

\* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 #211

**From:** [Weaver, Caleb W](#)  
**To:** [Jones, Kellie, EMNRD](#)  
**Subject:** Fred Turner #3 and Moran #2  
**Date:** Tuesday, June 02, 2015 5:54:34 PM

---

Good evening,

As per our conversation, the samples at the Fred Turner #3 and Moran #2 will be tested for the following:

- Benzene
- Toluene
- Ethylbenzene
- Total Xylenes
- Total BTEX
- Chloride
- GRO C6-C10
- DRO C10-C28

Please let me know if there is any other information you need, and we will be glad to send it your way.

Thanks!

**Caleb W. Weaver**

Facilities Engineer

**Chevron North America Exploration & Production**

*Mid-Continent Business Unit*

15 Smith Road, Rm 6216A

Midland, TX 79705

Office: (432) 687-7258

Cell: (432) 235-9382

[Caleb.Weaver@chevron.com](mailto:Caleb.Weaver@chevron.com)