

**RECEIVED**

By OCD District 1 at 10:33 am, Sep 17, 2015

# Excavation

	CI-	GRO	DRO	B	T	E	X	Total
N. Wall	<16	<10	<10	<0.05	<0.05	<0.05	<0.15	<.3
E. Surface	<16	<50	<50	<0.05	<0.05	<0.05	<0.15	<.3
S. Wall 1	368	<10	35.9	<0.05	<0.05	<0.05	<0.15	<.3
S. Wall 2	<16							
W. Wall	176	<10	64.9	<0.05	<0.05	<0.05	<0.15	<.3



DGW: 67 FT  
Landowner: Farmer Raymond

CI- LAB DATA

### Legend

- ▲ SAMPLE POINT
- X - FENCE
- OVERHEAD ELECTRIC LINE
- SURFACE PIPELINE
- ▭ EXCAVATION @ 4 FT
- ▭ STAIN (214 sq ft)



**APACHE  
HAWK B-3 #9**  
NMOCD Case #: 1RP-3572  
LEGALS: UL/ Q SEC. 3  
T-21-S R-37-E  
LEA COUNTY, NM

**Underground facilities are spatially projected and need to be field verified.**

GPS: 32.506035 -103.145793

0 10 20 Feet

GPS date: 7/30/15 KH  
Drawing date: 7/31/15  
Drafted by: T. Grieco



August 05, 2015

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: HAWK B -3 #9

Enclosed are the results of analyses for samples received by the laboratory on 07/30/15 13:55.

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).

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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".

Celey D. Keene

Lab Director/Quality Manager

**Analytical Results For:**

 APACHE CORP - HOBBS  
 BRUCE BAKER  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	07/30/2015	Sampling Date:	07/30/2015
Reported:	08/05/2015	Sampling Type:	Soil
Project Name:	HAWK B -3 #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	HAWK B-3 #9		

**Sample ID: NORTH WALL (H501982-01)**

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	08/04/2015	ND	1.92	96.2	2.00	0.311	
Toluene*	<0.050	0.050	08/04/2015	ND	1.95	97.4	2.00	0.357	
Ethylbenzene*	<0.050	0.050	08/04/2015	ND	2.10	105	2.00	0.478	
Total Xylenes*	<0.150	0.150	08/04/2015	ND	5.55	92.4	6.00	0.104	
Total BTEX	<0.300	0.300	08/04/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	08/03/2015	ND	400	100	400	3.92	

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	07/31/2015	ND	202	101	200	3.18	
DRO >C10-C28	<10.0	10.0	07/31/2015	ND	182	91.0	200	4.59	

Surrogate: 1-Chlorooctane 101 % 47.2-157

Surrogate: 1-Chlorooctadecane 109 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 APACHE CORP - HOBBS  
 BRUCE BAKER  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

 Received: 07/30/2015  
 Reported: 08/05/2015  
 Project Name: HAWK B -3 #9  
 Project Number: NONE GIVEN  
 Project Location: HAWK B-3 #9

 Sampling Date: 07/30/2015  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Judy Garcia

**Sample ID: WEST WALL (H501982-02)**

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	08/04/2015	ND	1.92	96.2	2.00	0.311	
Toluene*	<0.050	0.050	08/04/2015	ND	1.95	97.4	2.00	0.357	
Ethylbenzene*	<0.050	0.050	08/04/2015	ND	2.10	105	2.00	0.478	
Total Xylenes*	<0.150	0.150	08/04/2015	ND	5.55	92.4	6.00	0.104	
Total BTEX	<0.300	0.300	08/04/2015	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
<b>Chloride</b>	<b>176</b>	16.0	08/03/2015	ND	400	100	400	3.92	

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	07/31/2015	ND	202	101	200	3.18	
<b>DRO &gt;C10-C28</b>	<b>64.9</b>	10.0	07/31/2015	ND	182	91.0	200	4.59	

Surrogate: 1-Chlorooctane 103 % 47.2-157

Surrogate: 1-Chlorooctadecane 110 % 52.1-176

Cardinal Laboratories

\*=Accredited Analyte

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 APACHE CORP - HOBBS  
 BRUCE BAKER  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	07/30/2015	Sampling Date:	07/30/2015
Reported:	08/05/2015	Sampling Type:	Soil
Project Name:	HAWK B -3 #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	HAWK B-3 #9		

**Sample ID: SOUTH WALL (H501982-03)**

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	08/04/2015	ND	1.92	96.2	2.00	0.311	
Toluene*	<0.050	0.050	08/04/2015	ND	1.95	97.4	2.00	0.357	
Ethylbenzene*	<0.050	0.050	08/04/2015	ND	2.10	105	2.00	0.478	
Total Xylenes*	<0.150	0.150	08/04/2015	ND	5.55	92.4	6.00	0.104	
Total BTEX	<0.300	0.300	08/04/2015	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
<b>Chloride</b>	<b>368</b>	16.0	08/03/2015	ND	400	100	400	3.92	

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	07/31/2015	ND	202	101	200	3.18	
<b>DRO &gt;C10-C28</b>	<b>35.9</b>	10.0	07/31/2015	ND	182	91.0	200	4.59	

Surrogate: 1-Chlorooctane 111 % 47.2-157

Surrogate: 1-Chlorooctadecane 120 % 52.1-176

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Celey D. Keene, Lab Director/Quality Manager

**Analytical Results For:**

 APACHE CORP - HOBBS  
 BRUCE BAKER  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	07/30/2015	Sampling Date:	07/30/2015
Reported:	08/05/2015	Sampling Type:	Soil
Project Name:	HAWK B -3 #9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	HAWK B-3 #9		

**Sample ID: EAST SURFACE (H501982-04)**

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	08/04/2015	ND	1.92	96.2	2.00	0.311		
Toluene*	<0.050	0.050	08/04/2015	ND	1.95	97.4	2.00	0.357		
Ethylbenzene*	<0.050	0.050	08/04/2015	ND	2.10	105	2.00	0.478		
Total Xylenes*	<0.150	0.150	08/04/2015	ND	5.55	92.4	6.00	0.104		
Total BTEX	<0.300	0.300	08/04/2015	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	08/03/2015	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<50.0	50.0	07/31/2015	ND	202	101	200	3.18		
DRO >C10-C28	<50.0	50.0	07/31/2015	ND	182	91.0	200	4.59		

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

**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



August 26, 2015

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: HAWK B -3 #9

Enclosed are the results of analyses for samples received by the laboratory on 08/20/15 10:20.

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Sincerely,



Celey D. Keene

Lab Director/Quality Manager

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 APACHE CORP - HOBBS  
 BRUCE BAKER  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	08/20/2015	Sampling Date:	08/20/2015
Reported:	08/26/2015	Sampling Type:	Soil
Project Name:	HAWK B -3 #9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	HAWK B-3 #9		

**Sample ID: SOUTH WALL (H502191-01)**
**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	08/21/2015	ND	432	108	400	7.69	

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



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Celey D. Keene, Lab Director/Quality Manager

