

### Closure Report

June 14, 2023

Re: Jim Camp WTL Case nAPP229832296

On 10/12/2022 a release occurred due to a buried line failed. The release (GPS: 32.24117, -103.20868) is located south of Eunice, New Mexico in unit letter M section 6 township 24S range 37E. On 2/7/2023 to determine the depth of groundwater a soil bore (GPS: 32.241089, -103.208468) was advanced to a depth 110 feet and left open for 72 hours. The bore hole was gauged with no water present to a depth of 110 feet. A remediation plan was submitted and approved by OCD on 2/23/2023.

The release area around SP 1 was excavated to a depth of 10 feet. The rest of the release area was excavated to a depth of 4 feet. Final 5-point bottom and wall composites were collected in accordance with the approved remediation plan. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. All excavated material was hauled to an OCD approved disposal facility. SP 1 was backfilled with clean imported topsoil to 4 feet below ground surface. A 20-mil reinforced liner was placed at the bottom of the four feet excavation. The 4 feet excavation was backfilled with clean imported topsoil to ground surface and contoured to the surrounding area. The disturbed area was reseeded in consultation with the surface owner.

Apache Corporation has completed the remediation in accordance with the OCD approved remediation plan and respectfully request closure of event nAPP229832296.

Enclosed: C-141, Groundwater Data, Maps, Sample Data, Laboratory Results, and Photos.

Submitted by.

Environmental Technician Sr. Staff

larry.baker@apachecorp.com

Cell# 432-250-8384

Page 2 of 65

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report.

A scaled site and sampling diagram as described in 19.15.29.11	NMAC
Photographs of the remediated site prior to backfill or photos o must be notified 2 days prior to liner inspection)	f the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC)	District office must be notified 2 days prior to final sampling)
Description of remediation activities	
	ediate contamination that pose a threat to groundwater, surface water, C-141 report does not relieve the operator of responsibility for ons. The responsible party acknowledges they must substantially ditions that existed prior to the release or their final land use in
Printed Name: Larry Baker	Title: Environmental Tech Sr. Staff
Signature: Larry Baker	Date: 6/14/2023
Signature: Larry Baker  email: larry.baker@apachecorp.com	Telephone: 432-818-1654
OCD Only	
Received by:	Date:
	f liability should their operations have failed to adequately investigate and ater, human health, or the environment nor does not relieve the responsible regulations.
Closure Approved by: Nelson Velez	Date: 09/15/2023
Printed Name: Nelson Velez	Title:Environmental Specialist - Adv

From: Nobui, Jennifer, EMNRD

To: Baker, Larry

Cc: Harimon, Jocelyn, EMNRD; Bratcher, Michael, EMNRD

Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 186064

**Date:** Monday, May 1, 2023 11:28:33 AM

Hi Bruce,

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks, Jennifer Nobui

From: Baker, Larry < Larry.Baker@apachecorp.com>

**Sent:** Monday, May 1, 2023 10:26 AM

To: Nobui, Jennifer, EMNRD < Jennifer. Nobui@emnrd.nm.gov>

Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application,

Application ID: 186064

Ms. Nobui,

Apache Corporation will begin conducting final composite samples in accordance with the approved remediation plan at the Jim Camp WTL on 5/3/2023 at 11:00 a.m. MST. Thanks and have a good day.

#### **BRUCE BAKER**

ENVIRONMENTAL TECHNICIAN SR STAFF direct 432-818-1654 | Cell 432-250-8384

APACHE CORPORATION
303 Veterans Airpark Lane

Midland, TX 79705

<u>ApacheCorp.com</u> | <u>LinkedIn</u> | <u>Facebook</u> | <u>Twitter</u> | <u>StockTwits</u> | <u>YouTube</u>

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>

**Sent:** Thursday, February 23, 2023 4:32 PM **To:** Baker, Larry < <u>Larry.Baker@apachecorp.com</u>>

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application

ID: 186064

To whom it may concern (c/o Larry Baker for APACHE CORPORATION),

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2229832296, with the following conditions:

Remediation Plan Approved with Conditions. Variance for a liner is approved. Sidewall
samples should be delineated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define
the edge of the release, regardless of depth to groundwater.

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

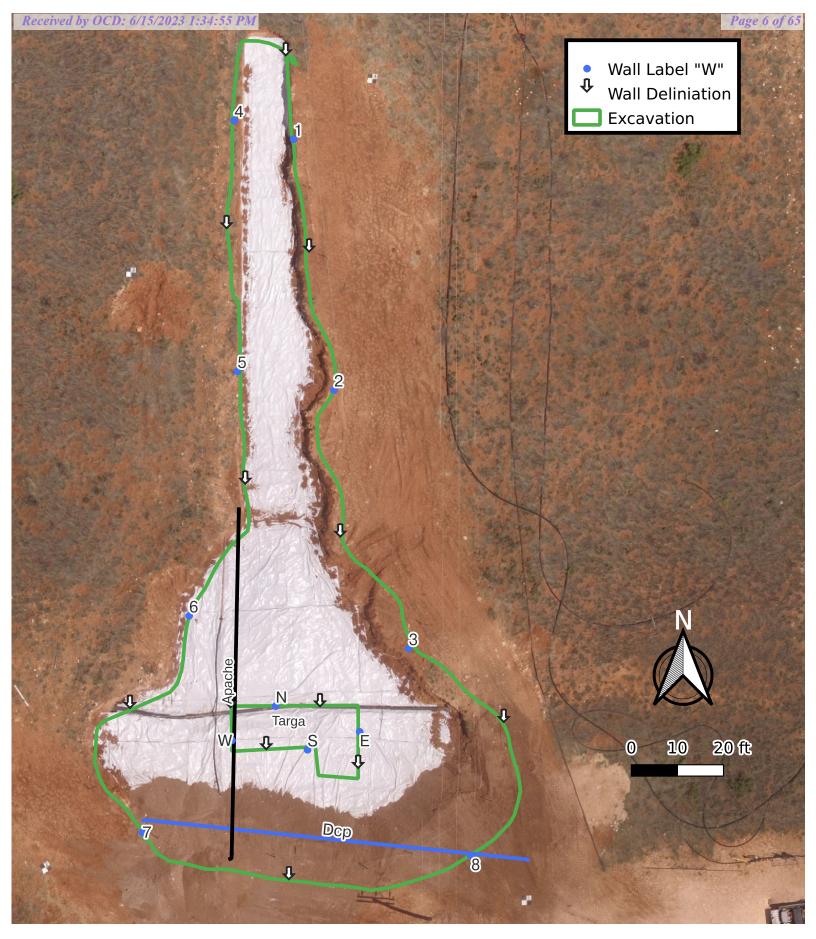
Thank you,
Jennifer Nobui
Environmental Specialist-Advanced
505-470-3407
Jennifer.Nobui@emnrd.nm.gov

New Mexico Energy, Minerals and Natural Resources Department 1220 South St. Francis Drive Santa Fe, NM 87505

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SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE DATE	SAMPLE TYPE	BENZENE	TOLUENE mg/ kg	ETHYL-BENZEN (mg/ kg)	TOTAL XYLENES mg/kg	TOTAL BTEX (mg/kg)	GRO C 6-C 10 (mg/kg)	DRO C 6-C 10 (mg/kg)	EXT DRO C 28- C36 (mg/kg)	TPH C6-c36 (mg/kg)	CHLORIDE (mg/kg)
W1 WALL	H232200-11	0-4'	5-3-23	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	592
W2 WALL	H232340-01	0-4'	05-0323	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	624
W2 WALL	H232200-12	0-4'	05-1023	COMP	<0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
W3 WALL	H232200-13	0-4'	05-0323	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	672
W3 WALL	H232340-02	0-4'	05-1023	COMP	<0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
W4 WALL	H232340-14	0-4'	05-0323	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
W5 WALL	H232340-15	0-4'	05-0323	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
W6 WALL	H232340-15	0-4'	05-0323	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
W7 WALL	H232425-06	0-4'	05-1023	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
W8 WALL	H232425-07	0-4'	05-1023	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
W W WALL	H232340-04	4-10'	05-10-23	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5920
W N WALL	H232408-01	4-10'	5-12-23	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	13.6	<10.0	13.6	7120

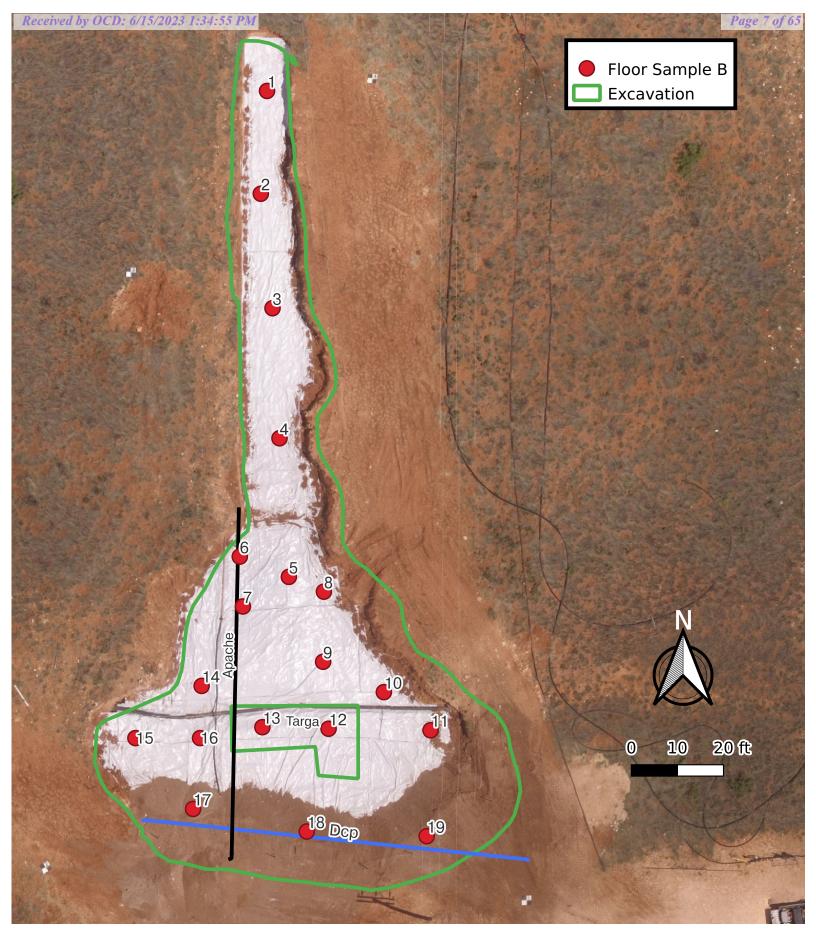
SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE DATE	SAMPLE TYPE	BENZENE	TOLUENE mg/ kg	ETHYL-BENZEN (mg/ kg)	TOTAL XYLENES mg/kg	TOTAL BTEX (mg/kg)	GRO C 6-C 10 (mg/kg)	DRO C 6-C 10 (mg/kg)	EXT DRO C 28- C36 (mg/kg)	TPH C6-c36 (mg/kg)	CHLORIDE (mg/kg)
B01 FLOOR	H232200-01	4'	5-3-23	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	896
B02 FLOOR	H232200-02	4'	5-3-23	COMP	<0.050	<0.050	<0.050	< 0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1900
B03 FLOOR	H232200-03	4'	5-3-23	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3600
B04 FLOOR	H232200-04	4'	5-3-23	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2200
B05 FLOOR	H232200-05	4'	5-3-23	COMP	<0.050	<0.050	<0.050	< 0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2960
B06 FLOOR	H232200-06	4'	5-3-23	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1680
B07 FLOOR	H232200-07	4'	5-3-23	COMP	<0.050	<0.050	<0.050	< 0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2280
B08 FLOOR	H232200-08	4'	5-3-23	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2360
B09 FLOOR	H232200-09	4'	5-3-23	COMP	< 0.050	<0.050	<0.050	< 0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3440
B10 FLOOR	H232200-10	4'	5-3-23	COMP	<0.050	<0.050	<0.050	< 0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2080
B11 FLOOR	H232308-01	4'	5-9-23	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.1	<10.0	20.1	7600
B12 FLOOR	H232308-02	4'	5-9-23	COMP	<0.050	<0.050	<0.050	< 0.150	<0.300	<10.0	99.3	10.9	110.2	4640
B13 FLOOR	H232308-03	10'	5-9-23	COMP	< 0.050	< 0.050	<0.050	< 0.150	<0.300	<10.0	88.0	13.4	101.4	3440
B14 FLOOR	H232340-03	4'	5-1023	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4560
B15 FLOOR	H232425-01	4'	5-15-23	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2720
B16 FLOOR	H232425-02	4'	5-15-23	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.5	<10.0	14.5	7600
B17 FLOOR	H232425-03	4'	5-15-23	COMP	<0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	111	23.9	134.9	4400
B18 FLOOR	H232425-04	4'	5-15-23	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	82.0	18.6	100.6	8200
B19 FLOOR	H232425-05	4'	5-1023	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6640



Incident # nAPP2229832296

Wall Samples Map

JIM CAMP WATER TRANSFER LINE @ M-06-24S-37E ON OE



Incident # nAPP2229832296

JIM CAMP WATER TRANSFER LINE @ M-06-24S-37E ON OE

Floor Sample Map



May 08, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: JIM CAMP WATER TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 05/03/23 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

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:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 05/03/2023 Sampling Date: 05/03/2023

Reported: 05/08/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

#### Sample ID: B 1 @ 4' (H232200-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	8.55	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.73	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.15	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.28	105	6.00	4.66	
Total BTEX	<0.300	0.300	05/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	ide, SM4500Cl-B mg/kg			d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	05/05/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2023	ND	184	92.1	200	1.31	
DRO >C10-C28*	<10.0	10.0	05/04/2023	ND	170	84.8	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/04/2023	ND					
Surrogate: 1-Chlorooctane	72.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	75.6	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 05/03/2023 Sampling Date: 05/03/2023

Reported: 05/08/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

mg/kg

#### Sample ID: B 2 @ 4' (H232200-02)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	8.55	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.73	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.15	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.28	105	6.00	4.66	
Total BTEX	<0.300	0.300	05/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1900	16.0	05/05/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/04/2023	ND	184	92.1	200	1.31	
DRO >C10-C28*	<10.0	10.0	05/04/2023	ND	170	84.8	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/04/2023	ND					
Surrogate: 1-Chlorooctane	86.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.1	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



05/03/2023

#### Analytical Results For:

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

Received: 05/03/2023 Sampling Date:

mg/kg

Reported: 05/08/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

#### Sample ID: B 3 @ 4' (H232200-03)

BTEX 8021B

	9,	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	8.55	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.73	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.15	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.28	105	6.00	4.66	
Total BTEX	<0.300	0.300	05/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	05/05/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	92.1	200	1.31	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	170	84.8	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					
Surrogate: 1-Chlorooctane	76.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	80.6	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 05/03/2023 Sampling Date: 05/03/2023

Reported: 05/08/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Applyzod By: 14

Project Location: NONE GIVEN

ma/ka

#### Sample ID: B 4 @ 4' (H232200-04)

RTFY 8021R

B1EX 8021B	mg,	<sup>и</sup> кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	8.55	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.73	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.15	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.28	105	6.00	4.66	
Total BTEX	<0.300	0.300	05/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	05/05/2023	ND	432	108	400	0.00	QM-07
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	05/05/2023	ND	184	92.1	200	1.31	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	170	84.8	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					
Surrogate: 1-Chlorooctane	75.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	79.0	% 49.1-14	8						

#### Cardinal Laboratories \*=Accredited Analyte

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#### Analytical Results For:

APACHE CORP - HOBBS **BRUCE BAKER** 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 05/03/2023 Sampling Date: 05/03/2023

Reported: 05/08/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact Sample Received By: Project Number: NOT GIVEN Tamara Oldaker

Project Location: NONE GIVEN

#### Sample ID: B 5 @ 4' (H232200-05)

BTEX 8021B	mg	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	8.55	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.73	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.15	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.28	105	6.00	4.66	
Total BTEX	<0.300	0.300	05/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B mg/kg			Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2960	16.0	05/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	92.1	200	1.31	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	170	84.8	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					
Surrogate: 1-Chlorooctane	88.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.9	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 05/03/2023 Sampling Date: 05/03/2023

Reported: 05/08/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

#### Sample ID: B 6 @ 4' (H232200-06)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	8.55	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.73	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.15	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.28	105	6.00	4.66	
Total BTEX	<0.300	0.300	05/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	05/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	92.1	200	1.31	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	170	84.8	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					
Surrogate: 1-Chlorooctane	86.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.4	% 49.1-14	8						

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05/03/2023

#### Analytical Results For:

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

Received: 05/03/2023 Sampling Date:

Reported: 05/08/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

#### Sample ID: B 7 @ 4' (H232200-07)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	8.55	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.73	
Ethylbenzene*	< 0.050	0.050	05/06/2023	ND	2.15	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.28	105	6.00	4.66	
Total BTEX	<0.300	0.300	05/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	05/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	92.1	200	1.31	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	170	84.8	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.3	% 49.1-14	8						

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#### Analytical Results For:

APACHE CORP - HOBBS **BRUCE BAKER** 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 05/03/2023 Sampling Date: 05/03/2023

Reported: 05/08/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NOT GIVEN

Project Location: NONE GIVEN

#### Sample ID: B 8 @ 4' (H232200-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	8.55	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.73	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.15	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.28	105	6.00	4.66	
Total BTEX	<0.300	0.300	05/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B mg/kg			Analyze	Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	05/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	92.1	200	1.31	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	170	84.8	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	95.8	% 49.1-14	8						

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Celey D. Keene



05/03/2023

#### Analytical Results For:

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

Received: 05/03/2023 Sampling Date:

mg/kg

Reported: 05/08/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

#### Sample ID: B 9 @ 4' (H232200-09)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Allulyzo	.u Dy. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	8.55	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.73	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.15	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.28	105	6.00	4.66	
Total BTEX	<0.300	0.300	05/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	05/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	92.1	200	1.31	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	170	84.8	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					
Surrogate: 1-Chlorooctane	91.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.8	% 49.1-14	8						

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05/03/2023

#### Analytical Results For:

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

Received: 05/03/2023 Sampling Date:

Reported: 05/08/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

mg/kg

#### Sample ID: B 10 @ 4' (H232200-10)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 311					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	8.55	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.73	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.15	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.28	105	6.00	4.66	
Total BTEX	<0.300	0.300	05/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	05/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	92.1	200	1.31	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	170	84.8	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					
Surrogate: 1-Chlorooctane	84.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	87.7	% 49.1-14	8						

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#### Analytical Results For:

APACHE CORP - HOBBS **BRUCE BAKER** 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 05/03/2023 Sampling Date: 05/03/2023

Reported: 05/08/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact Project Number: Sample Received By: NOT GIVEN Tamara Oldaker

Project Location: NONE GIVEN

#### Sample ID: W 1 BGS 0-4' (H232200-11)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	8.55	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.73	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.15	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.28	105	6.00	4.66	
Total BTEX	<0.300	0.300	05/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 %	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	05/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	92.1	200	1.31	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	170	84.8	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					
Surrogate: 1-Chlorooctane	90.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.6	% 49.1-14	8						

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Celecy D. Keene



#### Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 05/03/2023 Sampling Date: 05/03/2023

Reported: 05/08/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH

Project Location: NONE GIVEN

#### Sample ID: W 2 BGS 0-4' (H232200-12)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/06/2023	ND	2.02	101	2.00	8.55	
Toluene*	<0.050	0.050	05/06/2023	ND	2.01	100	2.00	6.73	
Ethylbenzene*	<0.050	0.050	05/06/2023	ND	2.15	108	2.00	5.11	
Total Xylenes*	<0.150	0.150	05/06/2023	ND	6.28	105	6.00	4.66	
Total BTEX	<0.300	0.300	05/06/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	05/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	92.1	200	1.31	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	170	84.8	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					
Surrogate: 1-Chlorooctane	91.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.3	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Received: 05/03/2023 Sampling Date: 05/03/2023

Reported: 05/08/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: NONE GIVEN

#### Sample ID: W 3 BGS 0-4' (H232200-13)

BTEX 8021B

Analyte	•		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	05/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	92.1	200	1.31	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	170	84.8	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.4	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 05/03/2023 Sampling Date: 05/03/2023

Reported: 05/08/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: NONE GIVEN

mg/kg

#### Sample ID: W 4 BGS 0-4' (H232200-14)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	05/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	92.1	200	1.31	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	170	84.8	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					
Surrogate: 1-Chlorooctane	89.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.4	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Received: 05/03/2023 Sampling Date: 05/03/2023

Reported: 05/08/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: NONE GIVEN

#### Sample ID: W 5 BGS 0-4' (H232200-15)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	92.1	200	1.31	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	170	84.8	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					
Surrogate: 1-Chlorooctane	73.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	77.6	% 49.1-14	8						

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Celey & Keene



05/03/2023

#### Analytical Results For:

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

Received: 05/03/2023 Sampling Date:

Reported: 05/08/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: NONE GIVEN

#### Sample ID: W 6 BGS 0-4' (H232200-16)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/05/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	05/05/2023	ND	2.16	108	2.00	11.6	
Ethylbenzene*	<0.050	0.050	05/05/2023	ND	2.08	104	2.00	11.5	
Total Xylenes*	<0.150	0.150	05/05/2023	ND	6.37	106	6.00	9.53	
Total BTEX	<0.300	0.300	05/05/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/05/2023	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/05/2023	ND	184	92.1	200	1.31	
DRO >C10-C28*	<10.0	10.0	05/05/2023	ND	170	84.8	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	05/05/2023	ND					
Surrogate: 1-Chlorooctane	85.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.2	% 49.1-14	8						

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Celey D. Keine



#### **Notes and Definitions**

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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Celeg D. Freene



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 19 of 20

101 East Marland, Hobbs, NM 88240

	(575) 393-2326 FAX (575) 393-2	476					_									ANAL	VCIC	DE	OLIES		-		$\neg$
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Project Name:							s	tate	:	Zip:		1											
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FOR LAB USE ONLY		Τ.	П		MA	TRIX		PF	RESERV.	SAN	IPLING	1					-						
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					Standard 2	Bacteria (only) Sample Condition
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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 20 of

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

Company Name	Apreche B. Baker						П		B	LL TO					Α	NAL	YSIS	RE	QUE	ST			
Project Manage	B. Baker		•					P.O.	#:						$\neg$							-	
Address:								Com	pany:	-											-		
City: 1666	State: NM	Zip	: 5	88	24	0		Attn:															
Phone #:	Fax #:							Addı	ess:														
Project #:	Project Owner	r:						City:															
Project Name:								State	e:	Zip:													
Project Location	1: Sin Camp Water Train Jose Quescot	n C	-	41.	~(			Phor	ne #:														
Sampler Name:	Jose Quesont						_	Fax															
FOR LAB USE ONLY					MA	TRIX		P	RESERV	. SAN	PLING												
Lab I.D. <i>H232200</i>	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ICE / COOL <	DATE	TIME	61	BIEX	SKTTPH									
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analyses. All claims including service. In no event shall Ca	d Damages. Cardinal's liability and client's exclusive remedy for a g those for negligence and any other cause whatsoever shall be trdinal be liable for incidental or consequental damages, including g out of or related to the performance of services hereunder by C	deemed withou	d waive	ed unle	ss made usiness ir	in writing	g and r	eceived s of use	by Cardinal e, or loss of p	within 30 days aft rofits incurred by	er completion of the client, its subsidiar	he applicat ries,	ble										

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May 15, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: JIM CAMP WATER TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 05/09/23 16:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keene

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:

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

Received: 05/09/2023 Sampling Date: 05/09/2023

Reported: 05/15/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact Project Number: **NOT GIVEN** Sample Received By: Shalyn Rodriguez

NONE GIVEN Project Location:

#### Sample ID: B 11 @ 4' (H232308-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2023	ND	2.02	101	2.00	2.85	
Toluene*	<0.050	0.050	05/10/2023	ND	2.08	104	2.00	3.24	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.01	100	2.00	4.09	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.22	104	6.00	4.47	
Total BTEX	<0.300	0.300	05/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	05/10/2023	ND	416	104	400	0.00	QM-07
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	190	95.1	200	1.70	
DRO >C10-C28*	20.1	10.0	05/10/2023	ND	177	88.4	200	1.88	
EXT DRO >C28-C36	<10.0	10.0	05/10/2023	ND					
Surrogate: 1-Chlorooctane	96.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.8	% 49.1-14	8						

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Celey D. Keene



05/09/2023

#### Analytical Results For:

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

Received: 05/09/2023 Sampling Date:

Reported: Sampling Type: Soil 05/15/2023

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact Project Number: Sample Received By: NOT GIVEN Shalyn Rodriguez

Applyzod By: 1H /

Project Location: NONE GIVEN

#### Sample ID: B 12 @ 10' (H232308-02)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2023	ND	2.02	101	2.00	2.85	
Toluene*	<0.050	0.050	05/10/2023	ND	2.08	104	2.00	3.24	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.01	100	2.00	4.09	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.22	104	6.00	4.47	
Total BTEX	<0.300	0.300	05/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4640	16.0	05/10/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	190	95.1	200	1.70	
DRO >C10-C28*	99.3	10.0	05/10/2023	ND	177	88.4	200	1.88	
EXT DRO >C28-C36	10.9	10.0	05/10/2023	ND					
Surrogate: 1-Chlorooctane	99.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 05/09/2023 Sampling Date: 05/09/2023

Reported: 05/15/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Shalyn Rodriguez

Applyzod By: 1H /

Project Location: NONE GIVEN

#### Sample ID: B 13 @ 10' (H232308-03)

RTFY 8021R

BIEX 8021B	mg,	<sup>и</sup> кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2023	ND	2.02	101	2.00	2.85	
Toluene*	<0.050	0.050	05/10/2023	ND	2.08	104	2.00	3.24	
Ethylbenzene*	<0.050	0.050	05/10/2023	ND	2.01	100	2.00	4.09	
Total Xylenes*	<0.150	0.150	05/10/2023	ND	6.22	104	6.00	4.47	
Total BTEX	<0.300	0.300	05/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	05/10/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/10/2023	ND	190	95.1	200	1.70	
DRO >C10-C28*	88.0	10.0	05/10/2023	ND	177	88.4	200	1.88	
EXT DRO >C28-C36	13.4	10.0	05/10/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104	% 49.1-14	8						

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Celey D. Keene



#### **Notes and Definitions**

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

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

ecovery.

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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Celeg D. Freene

Sampler - UPS - Bus - Other:



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

9

Page 6 of

101 East Marland, Hobbs, NM 88240

Company Name:	(575) 393-2326 FAX	(010) 000-24	-			-				BII	LL TO		1			-	ANAI	YSIS	RE	QUE	ST	7.4	-	_
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May 15, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: JIM CAMP WATER TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 05/10/23 16:34.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Received: 05/10/2023 Sampling Date: 05/10/2023

Reported: 05/15/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

#### Sample ID: W 2 BGS 0-4' (H232340-01)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050 0.050		05/12/2023	ND	2.03	102	2.00	3.77	
Toluene*	<0.050	0.050	05/12/2023	ND	2.15	108	2.00	2.38	
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.24	112	2.00	2.16	
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.56	109	6.00	2.43	
Total BTEX	<0.300	0.300	05/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result Reporting Limit  224 16.0  mg/kg		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride			05/12/2023	ND	400		400	3.92	
TPH 8015M			Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	217	109	200	3.13	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	201	101	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					
Surrogate: 1-Chlorooctane	80.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	85.7	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 05/10/2023 Sampling Date: 05/10/2023

Reported: 05/15/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: NONE GIVEN

#### Sample ID: W 3 BGS 0-4' (H232340-02)

BTEX 8021B

	9,	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2023	ND	2.03	102	2.00	3.77	
Toluene*	<0.050	0.050	05/12/2023	ND	2.15	108	2.00	2.38	
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.24	112	2.00	2.16	
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.56	109	6.00	2.43	
Total BTEX	<0.300	0.300	05/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	05/12/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	217	109	200	3.13	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	201	101	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					
Surrogate: 1-Chlorooctane	75.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	78.7	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 05/10/2023 Sampling Date: 05/10/2023

Reported: 05/15/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: NONE GIVEN

ma/ka

#### Sample ID: B 14 @ 4' (H232340-03)

RTFY 8021R

B1EX 8021B	mg,	<sup>и</sup> кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2023	ND	2.03	102	2.00	3.77	
Toluene*	<0.050	0.050	05/12/2023	ND	2.15	108	2.00	2.38	
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	2.24	112	2.00	2.16	
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.56	109	6.00	2.43	
Total BTEX	<0.300	0.300	05/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4560	16.0	05/12/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	217	109	200	3.13	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	201	101	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					
Surrogate: 1-Chlorooctane	68.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	74.0	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

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

Received: 05/10/2023 Sampling Date: 05/10/2023

Reported: 05/15/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

#### Sample ID: W WALL @ BGS 4-10' (H232340-04)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/12/2023	ND	1.96	98.0	2.00	9.62	
Toluene*	<0.050	0.050	05/12/2023	ND	2.01	100	2.00	9.59	
Ethylbenzene*	<0.050	0.050	05/12/2023	ND	1.96	97.9	2.00	8.96	
Total Xylenes*	<0.150	0.150	05/12/2023	ND	6.05	101	6.00	9.20	
Total BTEX	<0.300	0.300	05/12/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5920	16.0	05/12/2023	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/12/2023	ND	217	109	200	3.13	
DRO >C10-C28*	<10.0	10.0	05/12/2023	ND	201	101	200	4.96	
EXT DRO >C28-C36	<10.0	10.0	05/12/2023	ND					
Surrogate: 1-Chlorooctane	86.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.1	% 49.1-14	8						

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Celey D. Keine



#### **Notes and Definitions**

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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Celey D. Keine

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

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

Company Name	A Droche	-		4.						L	<b>3</b> //	LL TO						ANA	LYSI	S RE	QUE	ST			0,1
Project Manage	Priche B. Baker				-		3-	P.C	D. #.		-		- 1	-	7	-		-	-		1	-	- 12	1	
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City: Habbs	Sta	ten) M Zip	): <b>&lt;</b>	28	24	16		Att	n:	-	-								-	-			-		
Phone #:	Fax						-	Ad	dres	ss:															
Project #:	Proje	ect Owner:						Cit	y:																
Project Name:		36)						Sta	te:			Zip:				×							-		
Project Location	n: Sim Camp 1	Water To	- M	fe	- 1	La	_	Ph	one	#:									-						
Sampler Name:	Jose Quina	e-	un	1				Fax	<b>(</b> #:			==													
FOR LAB USE ONLY			Γ		٨	MATR	X		PRE	SEF	RV.	SAM	PLING	1								2			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OME	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	77	BTEK	HOLL 1×3				^					
1	W2 BGS 0-4'	C	1			1				1		710	11:00	1	1	1									
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PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental 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 perform	mance of services hereunder by Card	final, regardless of whether such claim is base	d upon any of the above stated re-	reasons or otherwise.
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	/	· Q □ No □ No	Y ~ '	Correction Factor -0.6°C No Corrected Temp. °C

<sup>†</sup> Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



May 17, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: JIM CAMP WATER TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 05/12/23 16:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

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

Received: 05/12/2023 Sampling Date: 05/12/2023

Reported: 05/17/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

A ..... I ..... . J D. ... 711

Project Location: NONE GIVEN

#### Sample ID: N WALL BGS 4-10' (H232408-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2023	ND	2.27	113	2.00	0.816	
Toluene*	<0.050	0.050	05/16/2023	ND	2.28	114	2.00	2.21	
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.40	120	2.00	2.77	
Total Xylenes*	<0.150	0.150	05/16/2023	ND	7.08	118	6.00	3.63	
Total BTEX	<0.300	0.300	05/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7120	16.0	05/16/2023	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	208	104	200	0.537	
DRO >C10-C28*	13.6	10.0	05/15/2023	ND	199	99.5	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.1	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 05/12/2023 Sampling Date: 05/12/2023

Reported: 05/17/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

#### Sample ID: E WALL BGS 4-10' (H232408-02)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2023	ND	2.27	113	2.00	0.816	
Toluene*	<0.050	0.050	05/16/2023	ND	2.28	114	2.00	2.21	
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.40	120	2.00	2.77	
Total Xylenes*	<0.150	0.150	05/16/2023	ND	7.08	118	6.00	3.63	
Total BTEX	<0.300	0.300	05/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7520	16.0	05/16/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	208	104	200	0.537	
DRO >C10-C28*	<10.0	10.0	05/15/2023	ND	199	99.5	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	91.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.5	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



#### Analytical Results For:

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

Received: 05/12/2023 Sampling Date: 05/12/2023

Reported: 05/17/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

#### Sample ID: S WALL BGS 4-10' (H232408-03)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2023	ND	2.27	113	2.00	0.816	
Toluene*	<0.050	0.050	05/16/2023	ND	2.28	114	2.00	2.21	
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.40	120	2.00	2.77	
Total Xylenes*	<0.150	0.150	05/16/2023	ND	7.08	118	6.00	3.63	
Total BTEX	<0.300	0.300	05/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6640	16.0	05/16/2023	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/15/2023	ND	208	104	200	0.537	
DRO >C10-C28*	10.0	10.0	05/15/2023	ND	199	99.5	200	1.83	
EXT DRO >C28-C36	<10.0	10.0	05/15/2023	ND					
Surrogate: 1-Chlorooctane	90.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	96.5	% 49.1-14	18						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### **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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Celeg D. Keene

Page 6 of 6



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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halyses. All claims including those for negligence and any rvice. In no event shall Cardinal be liable for incidental or fliates or successors arising out of or related to the performance of the control of the contro	orner cause whatsoever shall be deem consequental damages, including withon mance of services hereunder by Cardini	ned waive	ed unle ation, b rdless o	ess mad usiness of wheth	de in writ	ing and	receive	ed by C	Cardinal w	thin 30 days aft	er completion of th	e applicablies, e. sult:	□ Yes	Please	No provi	Add'l F	Phone #	t: ess:				-
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May 18, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: JIM CAMP WATER TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 05/15/23 16:33.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keene

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:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 05/15/2023 Sampling Date: 05/15/2023

Reported: 05/18/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

#### Sample ID: B 15 @ 4' (H232425-01)

TEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	9.75	
Toluene*	<0.050	0.050	05/17/2023	ND	2.43	122	2.00	9.86	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.36	118	2.00	9.64	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.15	119	6.00	8.77	
Total BTEX	<0.300	0.300	05/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2720	16.0	05/16/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	217	109	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	203	101	200	6.11	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					
Surrogate: 1-Chlorooctane	105	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



#### Analytical Results For:

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

Reported: 05/18/2023

Project Name: JIM CAMP WATER TRANSFER LINE

05/15/2023

Project Number: NOT GIVEN Sampling Date: 05/15/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

#### Sample ID: B 16 @ 4' (H232425-02)

Received:

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	9.75	
Toluene*	<0.050	0.050	05/17/2023	ND	2.43	122	2.00	9.86	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.36	118	2.00	9.64	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.15	119	6.00	8.77	
Total BTEX	<0.300	0.300	05/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	05/16/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	217	109	200	2.72	
DRO >C10-C28*	14.5	10.0	05/17/2023	ND	203	101	200	6.11	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					
Surrogate: 1-Chlorooctane	110	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	125	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



05/15/2023

#### Analytical Results For:

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

Received: 05/15/2023 Sampling Date:

Reported: 05/18/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact Tamara Oldaker Project Number: NOT GIVEN Sample Received By:

Project Location: NONE GIVEN

#### Sample ID: B 17 @ 4' (H232425-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	9.75	
Toluene*	<0.050	0.050	05/17/2023	ND	2.43	122	2.00	9.86	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.36	118	2.00	9.64	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.15	119	6.00	8.77	
Total BTEX	<0.300	0.300	05/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4400	16.0	05/16/2023	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	217	109	200	2.72	
DRO >C10-C28*	111	10.0	05/17/2023	ND	203	101	200	6.11	
EXT DRO >C28-C36	23.9	10.0	05/17/2023	ND					
Surrogate: 1-Chlorooctane	104 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	118 9	% 49.1-14	8						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



05/15/2023

#### Analytical Results For:

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

Received: 05/15/2023 Sampling Date:

Reported: 05/18/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

#### Sample ID: B 18 @ 4' (H232425-04)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2023	ND	2.44	122	2.00	9.75	
Toluene*	<0.050	0.050	05/17/2023	ND	2.43	122	2.00	9.86	
Ethylbenzene*	<0.050	0.050	05/17/2023	ND	2.36	118	2.00	9.64	
Total Xylenes*	<0.150	0.150	05/17/2023	ND	7.15	119	6.00	8.77	
Total BTEX	<0.300	0.300	05/17/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	14						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8200	16.0	05/16/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	217	109	200	2.72	
DRO >C10-C28*	82.0	10.0	05/17/2023	ND	203	101	200	6.11	
EXT DRO >C28-C36	18.6	10.0	05/17/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	14						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	18						

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Celey D. Kreine



#### Analytical Results For:

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

Received: 05/15/2023 Sampling Date: 05/15/2023

Reported: 05/18/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

#### Sample ID: B 19 @ 4' (H232425-05)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2023	ND	2.13	106	2.00	7.78	
Toluene*	<0.050	0.050	05/16/2023	ND	2.16	108	2.00	6.34	
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.08	104	2.00	6.49	
Total Xylenes*	<0.150	0.150	05/16/2023	ND	6.50	108	6.00	6.77	
Total BTEX	<0.300	0.300	05/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6640	16.0	05/16/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	217	109	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	203	101	200	6.11	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Celey D. Keine



#### Analytical Results For:

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

Received: 05/15/2023 Sampling Date: 05/15/2023

Reported: 05/18/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

#### Sample ID: W 7 BGS 0-4' (H232425-06)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2023	ND	2.13	106	2.00	7.78	
Toluene*	<0.050	0.050	05/16/2023	ND	2.16	108	2.00	6.34	
Ethylbenzene*	<0.050	0.050	05/16/2023	ND	2.08	104	2.00	6.49	
Total Xylenes*	<0.150	0.150	05/16/2023	ND	6.50	108	6.00	6.77	
Total BTEX	<0.300	0.300	05/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/16/2023	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	217	109	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	203	101	200	6.11	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	132	% 49.1-14	8						

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Celey D. Keene



#### Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 05/15/2023 Sampling Date: 05/15/2023

Reported: 05/18/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

#### Sample ID: W 8 BGS 0-4' (H232425-07)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/16/2023	ND	2.13	106	2.00	7.78	
Toluene*	<0.050	0.050	05/16/2023	ND	2.16	108	2.00	6.34	
Ethylbenzene*	< 0.050	0.050	05/16/2023	ND	2.08	104	2.00	6.49	
Total Xylenes*	<0.150	0.150	05/16/2023	ND	6.50	108	6.00	6.77	
Total BTEX	<0.300	0.300	05/16/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/16/2023	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2023	ND	217	109	200	2.72	
DRO >C10-C28*	<10.0	10.0	05/17/2023	ND	203	101	200	6.11	
EXT DRO >C28-C36	<10.0	10.0	05/17/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Keene



#### **Notes and Definitions**

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 10 of 10

101 East Marland, Hobbs, NM 88240

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<sup>†</sup> Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



June 01, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: JIM CAMP WATER TRANSFER LINE

Enclosed are the results of analyses for samples received by the laboratory on 05/31/23 9:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



#### Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 05/31/2023 Sampling Date: 05/30/2023

Reported: 06/01/2023 Sampling Type: Soil

Project Name: JIM CAMP WATER TRANSFER LINE Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

A ... - L ... - - - I D. .. MC

Project Location: NONE GIVEN

#### Sample ID: BACKFILL (H232745-01)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2023	ND	2.31	116	2.00	4.31	
Toluene*	<0.050	0.050	05/31/2023	ND	2.28	114	2.00	3.21	
Ethylbenzene*	<0.050	0.050	05/31/2023	ND	2.25	113	2.00	5.13	
Total Xylenes*	<0.150	0.150	05/31/2023	ND	6.88	115	6.00	4.60	
Total BTEX	<0.300	0.300	05/31/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/31/2023	ND	384	96.0	400	4.08	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2023	ND	175	87.6	200	1.30	
DRO >C10-C28*	<10.0	10.0	05/31/2023	ND	168	83.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	05/31/2023	ND					
Surrogate: 1-Chlorooctane	125	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	130	% 49.1-14	8						

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Celey D. Keine



#### **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

Cardinal Laboratories \*=Accredited Analyte

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of

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

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Lab I.D. Sam		(G)RAB OR (C)OMP	- # CONTAINERS	GROUNDWATER	WASTEWATER	OIL	SLUDGE	OTHER:	ACID/BASE:	1 ICE / COOL	OTHER	DATE 5/30	TIME 9:204	17-	- RIEK	173										
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PLEASE NOTE: Liability and Damages. Cardinal's lia analyses. All claims including those for negligence ar	bility and client's exclusive remedy for any	claim	n arisir	ng whet	her bas	ed in c	ontract	or tort	, shall	be limit	ted to	the amount pai	d by the client for er completion of the	the ne applica	ble			18								
analyses. All claims including mose for regigarche as service. In no event shall Cardinal be liable for incide affiliates or successors arising out of or related to the Relinquished By:  Relinquished By:	ntal or consequental damages, including we performance of services hereunder by Carr Date: 6/36/23  Time:	Re	rega cei		y:								asons or otherwis  Verbal Re  All Results	sult: s are e	☐ Ye	I. Plea		rovide		add	ress:					
	Time:												2.1	Na	1	Les	ce 1	13	6	24	hn					
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C			9	Samp Cool	le Co Intes [	ondit act Ye	ion		CHE (I	CK	ED BY:	Turnarour Thermomet Correction	er ID	#113	Stan	ndar h	d 🗆	C	ool Yes	ria (o Intact	es (	bserv	ondition of the condition of the conditi	p. °C	





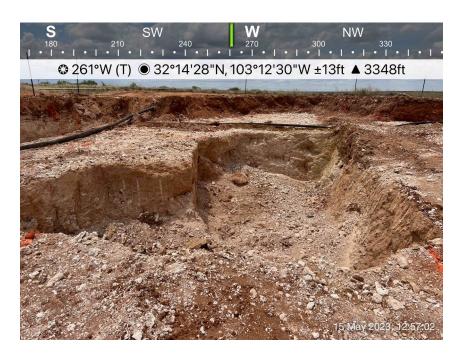




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### **State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. **Santa Fe, NM 87505**

CONDITIONS

Action 228737

#### **CONDITIONS**

Operator:	OGRID:
APACHE CORPORATION	873
303 Veterans Airpark Ln	Action Number:
Midland, TX 79705	228737
	Action Type:
	[C-141] Release Corrective Action (C-141)

#### CONDITIONS

Created By		Condition Date
nvelez	None	9/15/2023