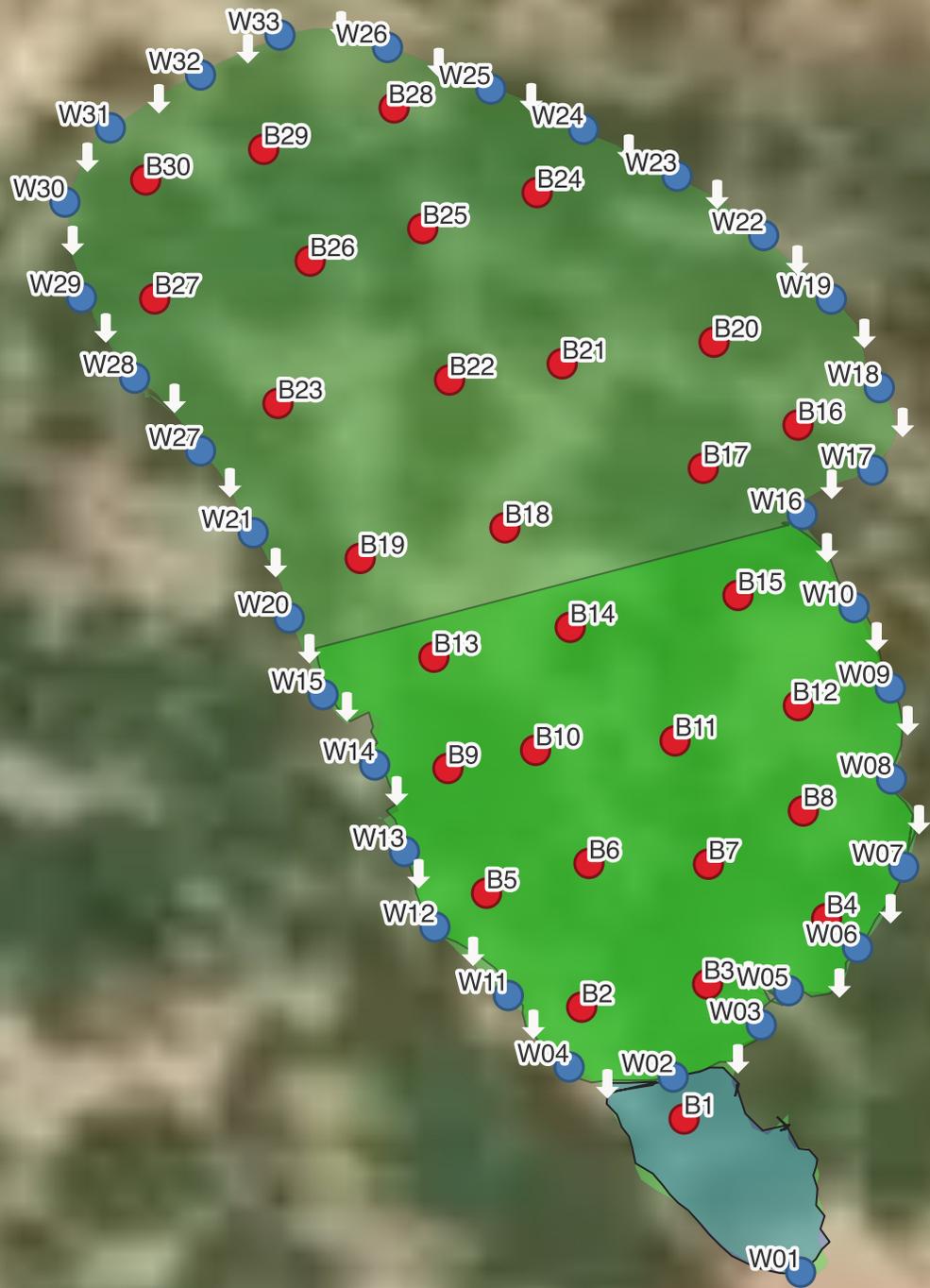


SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE DATE	SAMPLE TYPE	BENZENE	TOLUENE mg/kg	ETHYL-BENZEN (mg/kg)	TOTAL XYLENES mg/kg	TOTAL BTX (mg/kg)	GRO C 6-C 10 (mg/kg)	DRO C 6-C 10 (mg/kg)	EXT DRO C 28- C36 (mg/kg)	TPH C6-c36 (mg/kg)	CHLORIDE (mg/kg)
W- 1 WALL	H220875-01	0-2'	03-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
W- 2 WALL	H220875-02	2-16'	03-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
W- 3 WALL	H220875-03	0-16'	03-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.7	<10.0	14.7	256
W- 4 WALL	H221459-01	0-16' 6"	04-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	736
W- 5 WALL	H220875-06	0-16'	03-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
W- 6 WALL	H220875-07	0-16'	03-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	544
W- 7 WALL	H221459-05	0-16' 6"	04-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448
W- 8 WALL	H220897-03	0-16'	03-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
W- 9 WALL	H220923-01	0-16'	03-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
W- 10 WALL	H220923-02	0-16'	03-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	528
W- 11 WALL	H221459-02	0-16' 6"	04-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
W- 12 WALL	H220897-02	0-16'	03-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
W- 13 WALL	H221459-03	0-16' 6"	04-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	720
W-14 WALL	H221459-04	0-16' 6"	04-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
W- 15 WALL	H220923-03	0-16'	03-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	496
W- 16 WALL	H221459-06	0-16' 6"	04-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	17.0	17.0	576
W- 17 WALL	H220953-09	0-16'	03-09-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
W- 18 WALL	H220953-10	0-16'	03-09-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448
W- 19 WALL	H220953-06	0-16'	03-09-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	480
W- 20 WALL	H220953-07	0-16'	03-09-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
W- 21 WALL	H220953-08	0-16'	03-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
W- 22 WALL	H220979-04	0-22'	03-10-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400
W- 23 WALL	H220979-05	0-22'	03-10-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	560
W- 24 WALL	H220979-07	0-22'	03-10-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	448
W- 25 WALL	H220979-08	0-22'	03-10-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	464
W- 26 WALL	H220979-06	0-22'	03-10-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	656
W- 26 WALL	H223039-01	0-22'	07-13-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
W- 27 WALL	H220979-09	0-22'	03-10-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	496
W- 28 WALL	H220979-10	0-22'	03-10-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	432
W- 29 WALL	H220979-11	0-22'	03-10-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
W- 30 WALL	H220979-12	0-22'	03-10-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
W- 31 WALL	H220979-13	0-22'	03-10-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80.0
W- 32 WALL	H220979-14	0-22'	03-10-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96.0
W- 33 WALL	H220979-15	0-22'	03-10-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	67.4	20.6	88	208.0

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)
B- 1 FLOOR	H220875-04	2'	03-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80
B- 2 FLOOR	H220875-09	16'	03-04-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	688
B- 2 FLOOR	H221430-01	16' 6"	04-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
B- 3 FLOOR	H220897-06	16' 5"	03-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	24.7	<10.0	24.7	64.0
B- 4 FLOOR	H220923-04	16' 8"	03-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21.2	39.6	79.2	400
B- 5 FLOOR	H220923-05	16' 5"	03-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	24.8	24.8	416
B- 6 FLOOR	H220923-06	16' 5"	03-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	592
B- 7 FLOOR	H220923-07	16'	03-08-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	768
B- 7 FLOOR	H221430-02	16' 6"	04-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1150
B- 8 FLOOR	H220923-08	16'	03-09-2022	COMP	0.060	0.172	0.060	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	752
B- 8 FLOOR	H221430-03	16' 6"	04-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	960
B- 9 FLOOR	H220953-01	16' 5"	03-09-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32
B- 10 FLOOR	H220953-02	16' 5"	03-09-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
B- 11 FLOOR	H220953-03	16' 5"	03-09-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	48
B- 12 FLOOR	H220953-04	16' 5"	03-09-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	640
B- 12 FLOOR	H221430-04	17'	04-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	752
B- 13 FLOOR	H220979-01	16'	03-10-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	672
B- 13 FLOOR	H221430-05	16' 6"	04-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	992
B- 14 FLOOR	H220979-02	16'5"	03-10-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	736
B- 14 FLOOR	H221430-06	17'	04-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	816
B- 15 FLOOR	H220979-03	16'5"	03-10-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	672
B- 15 FLOOR	H221430-07	17'	04-07-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	912
B-16 FLOOR	H223039-02	20'	07-13-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	528
B-17 FLOOR	H223071-01	20'	07-14-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1790
B-18 FLOOR	H223071-02	20'	07-14-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1890
B-19 FLOOR	H223071-03	20'	07-14-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1550
B-20 FLOOR	H223071-04	20'	07-14-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
B-21 FLOOR	H223102-01	20'	07-15-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1600
B-22 FLOOR	H223102-02	20'	07-15-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	43.9	<10.0	43.9	1220
B-23 FLOOR	H223102-03	20'	07-15-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	688
B-24 FLOOR	H223102-04	20'	07-15-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
B-25 FLOOR	H2231902-05	20'	07-15-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1180
B-26 FLOOR	H223102-06	20'	07-15-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.6	<10.0	11.6	1070
B-27 FLOOR	H223102-07	20'	07-15-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
B-28 FLOOR	H223102-08	20'	07-15-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	800
B-29 FLOOR	H223102-09	20'	07-15-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	608
B-30 FLOOR	H223102-10	20'	07-15-2022	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	688



- ↓ Wall Deliniation
- Wall Labels
- Floor Samples "B"
- 2' Excavation
- 16' .kmz
- 20' Excavation

JR Phillips #8

Location:
32.60402783,-103.30527433





July 18, 2022

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 07/13/22 16:36.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	07/13/2022	Sampling Date:	07/13/2022
Reported:	07/18/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

Sample ID: W26 BGS 0-20' (H223039-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2022	ND	1.89	94.7	2.00	2.71		
Toluene*	<0.050	0.050	07/16/2022	ND	2.07	104	2.00	2.53		
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.03	101	2.00	1.84		
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.40	107	6.00	2.05		
Total BTEX	<0.300	0.300	07/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	07/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	168	84.1	200	15.8		
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	177	88.4	200	14.7		
EXT DRO >C28-C36	<10.0	10.0	07/15/2022							

Surrogate: 1-Chlorooctane 72.0 % 43-149

Surrogate: 1-Chlorooctadecane 83.0 % 42.5-161

Cardinal Laboratories

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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:	07/13/2022	Sampling Date:	07/13/2022
Reported:	07/18/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

Sample ID: B16 @ 20' (H223039-02)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/16/2022	ND	1.89	94.7	2.00	2.71		
Toluene*	<0.050	0.050	07/16/2022	ND	2.07	104	2.00	2.53		
Ethylbenzene*	<0.050	0.050	07/16/2022	ND	2.03	101	2.00	1.84		
Total Xylenes*	<0.150	0.150	07/16/2022	ND	6.40	107	6.00	2.05		
Total BTEX	<0.300	0.300	07/16/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	07/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	168	84.1	200	15.8		
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	177	88.4	200	14.7		
EXT DRO >C28-C36	<10.0	10.0	07/15/2022							

Surrogate: 1-Chlorooctane 78.3 % 43-149

Surrogate: 1-Chlorooctadecane 92.6 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report



Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Apache
 Project Manager: Bruce Baker
 Address: _____
 City: Hobbs State: NM Zip: 88240
 Phone #: _____ Fax #: _____

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

BILL TO ANALYSIS REQUEST

Project Name: _____ Project Owner: _____
 Project Location: JB Phillips #8
 Sampler Name: Joe Quisada Jr

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	SAMPLING	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:				
<u>HD3039</u>	<u>W26 BGS 0-20'</u>	<u>C</u>	<u>1</u>								<u>7/13</u>	<u>8:48</u>	<u>CL</u>	
	<u>Rile @ 20'</u>	<u>C</u>	<u>1</u>								<u>7/15</u>	<u>11:00</u>	<u>Ext TPH</u>	
													<u>BTEX</u>	

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

Relinquished By: Joe Quisada Jr Date: 7/13 Time: 10:30
 Received By: Bruce Baker Date: _____ Time: _____

Turnaround Time: Standard Rush
 Thermometer ID #113 Correction Factor -0.4°C
 Bacteria (only) Sample Condition: Cool Intact
 Observed Temp. °C _____ Corrected Temp. °C _____

Delivered By: (Circle One) UPS Bus Other: _____
 Observed Temp. °C 39 Corrected Temp. °C 33

Vertical Result: Yes No Add'l Phone #: _____
 All Results are emailed. Please provide Email address: _____
 REMARKS: Bruce Baker, Coaster

Checked By: JB (Initials)
 Sample Condition: Cool Intact
 Yes No Yes No

Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com



July 19, 2022

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 07/14/22 16:43.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

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

Received:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

Sample ID: B17 @ 20' (H223071-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2022	ND	1.94	97.2	2.00	2.53	
Toluene*	<0.050	0.050	07/18/2022	ND	2.19	109	2.00	0.279	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.12	106	2.00	1.62	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.77	113	6.00	1.01	
Total BTEX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1790	16.0	07/18/2022	ND	432	108	400	3.77	

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	07/18/2022	ND	193	96.6	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	178	89.1	200	0.112	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 68.9 % 43-149

Surrogate: 1-Chlorooctadecane 70.2 % 42.5-161

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:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

Sample ID: B18 @ 20' (H223071-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2022	ND	1.94	97.2	2.00	2.53	
Toluene*	<0.050	0.050	07/18/2022	ND	2.19	109	2.00	0.279	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.12	106	2.00	1.62	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.77	113	6.00	1.01	
Total BTEX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1890	16.0	07/18/2022	ND	432	108	400	3.77	

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	07/18/2022	ND	193	96.6	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	178	89.1	200	0.112	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 73.4 % 43-149

Surrogate: 1-Chlorooctadecane 75.8 % 42.5-161

Cardinal Laboratories

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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:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

Sample ID: B19 @ 20' (H223071-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2022	ND	1.94	97.2	2.00	2.53	
Toluene*	<0.050	0.050	07/18/2022	ND	2.19	109	2.00	0.279	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.12	106	2.00	1.62	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.77	113	6.00	1.01	
Total BTEX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1550	16.0	07/18/2022	ND	432	108	400	3.77	

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	07/18/2022	ND	193	96.6	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	178	89.1	200	0.112	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 74.1 % 43-149

Surrogate: 1-Chlorooctadecane 78.1 % 42.5-161

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:	07/14/2022	Sampling Date:	07/14/2022
Reported:	07/19/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MONUMENT, NM		

Sample ID: B20 @ 20' (H223071-04)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2022	ND	1.94	97.2	2.00	2.53		
Toluene*	<0.050	0.050	07/18/2022	ND	2.19	109	2.00	0.279		
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.12	106	2.00	1.62		
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.77	113	6.00	1.01		
Total BTEX	<0.300	0.300	07/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	07/18/2022	ND	432	108	400	3.77		

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	07/18/2022	ND	193	96.6	200	3.15		
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	178	89.1	200	0.112		
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND						

Surrogate: 1-Chlorooctane 98.6 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- 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



Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u> Project Manager: <u>Rance R.</u>		BILL TO P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: <u>NM</u> Zip: <u>88240</u> Project Owner: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Address: _____ City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u> Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: _____ Project Location: <u>JR Phillips #8</u> Sampler Name: <u>Joe Chussock</u>		FOR LAB USE ONLY Lab I.D. _____ Sample I.D. _____ H223071	
Matrix: GROUNDWATER <input checked="" type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER: _____ Preservation: ACID/BASE: _____ ICE / COOL <input type="checkbox"/> OTHER: _____ Sampling: DATE TIME _____		ANALYSIS REQUEST CL EXT TPH BTEX	
Relinquished By: <u>[Signature]</u> Date: <u>7-14</u> Time: <u>1643</u> Reinstated By: <u>[Signature]</u> Date: _____ Time: _____ Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____ REMARKS: <u>Bryce, Sue, Cessa</u>	
Delivered By: (Circle One) <input checked="" type="checkbox"/> UPS <input type="checkbox"/> Bus <input type="checkbox"/> Other: _____ Observed Temp. °C: <u>4.4</u> Corrected Temp. °C: <u>4.0</u> Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush Thermometer ID #13 Correction Factor -0.4°C <u>7-14/22</u> Bacteria (only) Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Observed Temp. °C: _____ Corrected Temp. °C: _____	

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† Cardinal cannot accept verbal changes. Please email changes to celay.keene@cardinallabsnm.com



July 20, 2022

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: J R PHILLIPS #8

Enclosed are the results of analyses for samples received by the laboratory on 07/15/22 16:40.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

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:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MONUMENT, NM		

Sample ID: B21 @ 20' (H223102-01)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2022	ND	2.06	103	2.00	8.65		
Toluene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	9.00		
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.13	107	2.00	9.40		
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.57	109	6.00	9.79		
Total BTEX	<0.300	0.300	07/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	07/18/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/18/2022	ND	194	96.9	200	1.02		
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	204	102	200	0.523		
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND						

Surrogate: 1-Chlorooctane 69.5 % 43-149
Surrogate: 1-Chlorooctadecane 81.0 % 42.5-161

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:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MONUMENT, NM		

Sample ID: B22 @ 20' (H223102-02)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2022	ND	2.06	103	2.00	8.65		
Toluene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	9.00		
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.13	107	2.00	9.40		
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.57	109	6.00	9.79		
Total BTEX	<0.300	0.300	07/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	07/18/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/18/2022	ND	194	96.9	200	1.02		
DRO >C10-C28*	43.9	10.0	07/18/2022	ND	204	102	200	0.523		
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND						

Surrogate: 1-Chlorooctane 72.0 % 43-149

Surrogate: 1-Chlorooctadecane 82.5 % 42.5-161

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:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MONUMENT, NM		

Sample ID: B23 @ 20' (H223102-03)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2022	ND	2.06	103	2.00	8.65		
Toluene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	9.00		
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.13	107	2.00	9.40		
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.57	109	6.00	9.79		
Total BTEX	<0.300	0.300	07/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	07/18/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/18/2022	ND	194	96.9	200	1.02		
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	204	102	200	0.523		
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND						

Surrogate: 1-Chlorooctane 75.7 % 43-149

Surrogate: 1-Chlorooctadecane 87.7 % 42.5-161

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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:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MONUMENT, NM		

Sample ID: B24 @ 20' (H223102-04)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2022	ND	2.06	103	2.00	8.65		
Toluene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	9.00		
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.13	107	2.00	9.40		
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.57	109	6.00	9.79		
Total BTEX	<0.300	0.300	07/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	07/18/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/18/2022	ND	194	96.9	200	1.02		
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	204	102	200	0.523		
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND						

Surrogate: 1-Chlorooctane 74.3 % 43-149

Surrogate: 1-Chlorooctadecane 85.1 % 42.5-161

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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:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MONUMENT, NM		

Sample ID: B25 @ 20' (H223102-05)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2022	ND	2.06	103	2.00	8.65		
Toluene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	9.00		
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.13	107	2.00	9.40		
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.57	109	6.00	9.79		
Total BTEX	<0.300	0.300	07/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	07/18/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/18/2022	ND	194	96.9	200	1.02		
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	204	102	200	0.523		
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND						

Surrogate: 1-Chlorooctane 87.4 % 43-149

Surrogate: 1-Chlorooctadecane 99.5 % 42.5-161

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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:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MONUMENT, NM		

Sample ID: B26 @ 20' (H223102-06)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2022	ND	2.06	103	2.00	8.65		
Toluene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	9.00		
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.13	107	2.00	9.40		
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.57	109	6.00	9.79		
Total BTEX	<0.300	0.300	07/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	07/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/18/2022	ND	194	96.9	200	1.02		
DRO >C10-C28*	11.6	10.0	07/18/2022	ND	204	102	200	0.523		
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND						

Surrogate: 1-Chlorooctane 83.3 % 43-149
Surrogate: 1-Chlorooctadecane 93.1 % 42.5-161

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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:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MONUMENT, NM		

Sample ID: B27 @ 20' (H223102-07)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2022	ND	2.06	103	2.00	8.65		
Toluene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	9.00		
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.13	107	2.00	9.40		
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.57	109	6.00	9.79		
Total BTEX	<0.300	0.300	07/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	07/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/18/2022	ND	194	96.9	200	1.02		
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	204	102	200	0.523		
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND						

Surrogate: 1-Chlorooctane 73.8 % 43-149

Surrogate: 1-Chlorooctadecane 81.4 % 42.5-161

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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:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MONUMENT, NM		

Sample ID: B28 @ 20' (H223102-08)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2022	ND	2.06	103	2.00	8.65		
Toluene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	9.00		
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.13	107	2.00	9.40		
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.57	109	6.00	9.79		
Total BTEX	<0.300	0.300	07/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	07/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/18/2022	ND	194	96.9	200	1.02		
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	204	102	200	0.523		
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND						

Surrogate: 1-Chlorooctane 75.6 % 43-149

Surrogate: 1-Chlorooctadecane 85.8 % 42.5-161

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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:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MONUMENT, NM		

Sample ID: B29 @ 20' (H223102-09)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/18/2022	ND	2.06	103	2.00	8.65		
Toluene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	9.00		
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.13	107	2.00	9.40		
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.57	109	6.00	9.79		
Total BTEX	<0.300	0.300	07/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	07/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/18/2022	ND	194	96.9	200	1.02		
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	204	102	200	0.523		
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND						

Surrogate: 1-Chlorooctane 76.9 % 43-149

Surrogate: 1-Chlorooctadecane 85.9 % 42.5-161

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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:	07/15/2022	Sampling Date:	07/15/2022
Reported:	07/20/2022	Sampling Type:	Soil
Project Name:	J R PHILLIPS #8	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MONUMENT, NM		

Sample ID: B30 @ 20' (H223102-10)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2022	ND	2.06	103	2.00	8.65		
Toluene*	<0.050	0.050	07/19/2022	ND	2.10	105	2.00	9.00		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.13	107	2.00	9.40		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.57	109	6.00	9.79		
Total BTEX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	07/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	07/18/2022	ND	194	96.9	200	1.02		
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	204	102	200	0.523		
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND						

Surrogate: 1-Chlorooctane 72.5 % 43-149

Surrogate: 1-Chlorooctadecane 81.8 % 42.5-161

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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



Celey D. Keene, Lab Director/Quality Manager

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Apache P.O. #:
 Project Manager: Bruce B. Company:
 Address: City: Hobbs State: NM zip: 88240 Attn:
 Phone #: Fax #: Address:
 Project #: Project Owner: City: State: Zip:
 Project Name: State: Zip:
 Project Location: JR Phillips #8 Phone #: Fax #:
 Sampler Name: Joe Quasada Jr.

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	CL	EXT TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :							
<u>H223108</u>																
1	B21 020'	C 1	1								7/15	9:00	/	/	/	
2	B22 020'	C 1	1								7/15	9:02	/	/	/	
3	B23 020'	C 1	1								7/15	9:04	/	/	/	
4	B24 020'	C 1	1								7/15	9:20	/	/	/	
5	B25 020'	C 1	1								7/15	11:30	/	/	/	
6	B26 020'	C 1	1								7/15	1:40	/	/	/	
7	B27 020'	C 1	1								7/15	1:42	/	/	/	
8	B28 020'	C 1	1								7/15	4:12	/	/	/	
9	B29 020'	C 1	1								7/15	4:15	/	/	/	
10	B30 020'	C 1	1								7/15	4:15	/	/	/	

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 consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature] Date: 7/15 Received By: [Signature] Date: 7/15
 Relinquished By: [Signature] Date: 7/15 Received By: [Signature] Date: 7/15

Delivered By: (Circle One) Observed Temp. °C: 8.70 Sample Condition: Intact Cool Intact
 Sampler - UPS - Bus - Other: Corrected Temp. °C: 2.10 Yes No Yes No
 CHECKED BY: [Signature] Turnaround Time: Standard Rush
 Thermometer ID #113 Correction Factor -0.6°C -0.6°C Bacteria (only) Sample Condition: Intact Cool Intact Yes No Yes No Corrected Temp. °C