

**Apache Corporation
Kincaid Watson Federal #1 Battery
NRM2024462399**

Final Remediation Report

Introduction

This report presents the results of remediation activities at the Kincaid Watson Federal #1 Battery. On behalf of Apache Corporation (Apache), Diamondback Disposal Services, Inc (Diamondback) was tasked with the cleanup and remediation of release NRM2024462399. The release occurred in Unit Letter B, Section 18, Township 18S, Range 31E at coordinates 32.75349, -103.90671. The remediation was performed in general accordance with the New Mexico Oil Conservation Division (NMOCD) rules and regulations for releases dated July 24, 2018 and approved NMOCD work plan dated December 21, 2020.

Overview

The spill site is located mostly on BLM lease land, consisting of grass, prairie, or range lands. Approximately 248 barrels of crude oil was lost with approximately 135 barrels bbls being recovered, due to a corroded 4-inch nipple on oil tank.

Regulatory Guidelines

Upon review of the site characteristics, the three nearest wells of record suggest depth to ground water to be greater than 100 feet below ground surface (bgs), according to well data obtained from New Mexico Office of the State Engineer. These wells were not within the half mile radius set forth by rule, therefore Apache has opted to follow Table 1 Closure Criteria for ground water depth of less than 50 feet. The Recommended Remediation Action Levels (RRAL), determined by the latest NMOCD guidelines (19.15.29 NMAC) are as follows: 600mg/kg Chloride, 100 mg/kg GRO/DRO/MRO, 50 mg/kg BTEX, 10mg/kg Benzene.

Remediation Activities

Between the dates of May 7, 2021, and May 27, 2021, Diamondback excavated approximately 1,600 cubic yards (cy) of impacted material, loaded, and transported to R-360 Halfway Facility for disposal. Depth of excavation ranges from approximately 4 feet bgs to 7 feet bgs. Between the dates of May 13, 2021 and May 27, 2021 the site was sampled to determine if RRAL's had been met. Five-point composite samples were collected, every 500 square feet of side wall and 500 square feet of floor area, packaged and delivered to a third-party lab, with chain of custody, for testing as per regulatory standards. (see attached analytical). Upon review of analytical, most of all floor and wall samples prove to be below Table 1 RRAL's for site closure except for Floor B 8, which was over excavated and re-sampled and confirmed below RRAL's. Sections B 14, B 15, B 16, B 17, B 18 were also above RRAL's and will be addressed below in deferment section. On June 5, 2021, backfilling began and ran thru June 7, 2021. Approximately 1,820 cy of "Like Material" was obtained from a local private source. Backfill was placed in a manner to promote compaction, crowned, and sloped to promote storm water runoff and erosion prevention. Excavated pasture area, including unexcavated disturbed areas., will be seeded during the next optimal growing season with seed mix approved by BLM.

Deferment

The analytical representing B 14, B 15, B 16, B 17, B18 (floor samples) all show elevated levels of contaminants above the stated RRAL's for site closure. These areas are inside an active production facility and cannot be excavated any more than 1-foot bgs, due to active operational surface equipment and tanks. Therefore, Diamondback on behalf of Apache Corp. respectfully asks for a deferment for these areas and as such, the impacted soil represented by these floor samples will be remediated as part of final reclamation efforts when the Facility is removed from service.

Conclusions

Upon review all analytical and data provide by the third-party independent lab, it is our belief that all recommended remediation action levels have been met other than areas of deferment. Being that the spill area was excavated to a depth of 4 feet bgs or greater, we fill all restoration and reclamation standards have been met, other than deferment areas. Diamondback feels the migration of any remaining contaminants through the vadose zone, has been greatly reduced. Therefore, leaving this site in a manner that will pose very little if any future environmental threat.

Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Larry Baker Title: Environmental Tech SR.
 Signature: *Larry Baker* Date: 6/10/2021
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

Project Name:
Kincaid Watson Federal
#1 Battery

SAMPLE ID	SAMPLE DATE	DEPTH FT BGS	CHLORIDE Mg/Kg	BTEX Mg/Kg	TPH Mg/Kg
W 1 Wall (H211255-01)	5-13-21	1'-8'	<16.0	<0.300	<10.0
W 2 Wall (H211255-02)	5-13-21	1'-5'	<16.0	<0.300	<10.0
W 3 Wall (H211255-03)	5-13-21	1'-5'	<16.0	<0.300	<10.0
B 1 Floor (H211255-04)	5-13-21	8'	<16.0	<0.300	<10.0
B 2 Floor (H211255-05)	5-13-21	5'	<16.0	<0.300	<10.0
SAMPLE ID	SAMPLE DATE	DEPTH FT BGS	CHLORIDE Mg/Kg	BTEX Mg/Kg	TPH Mg/Kg
B 3 Floor (H211305-01)	5-19-21	1'-5'	32.0	<0.300	<10.0
W 4 Wall (H211305-02)	5-19-21	5'	<16.0	<0.300	<10.0
W 5 Wall (H211305-03)	5-19-21	1'-5'	<16.0	<0.300	29.9
W 6 Wall (H211305-04)	5-19-21	1'-6'	96.0	<0.300	<10.0
W 7 Wall (H211305-05)	5-19-21	1'-5'	<16.0	<0.300	94.6
W 8 Wall (H211305-06)	5-19-21	1'-5'	<16.0	<0.300	<10.0

SAMPLE ID	SAMPLE DATE	DEPTH FT BGS	CHLORIDE Mg/Kg	BTEX Mg/Kg	TPH Mg/Kg
B 4 Floor (H211328-01)	5-21-21	5'	48.0	<0.300	<10.0
B 5 Floor (H211328-02)	5-21-21	5'	48.0	<0.300	<10.0
B 6 Floor (H211328-03)	5-21-21	5'	64.0	<0.300	33.8
B 7 Wall (H211328-04)	5-21-21	5'	16.0	<0.300	<10.0
B 8 Floor (H211328-05)	5-21-21	5'	32.2	81.002	1833.4
B 8 Floor (H211373-01)	5-27-21	7'	NA	0.281	<10.0
B 9 Floor (H211328-06)	5-21-21	5'	<16.0	<0.300	30.5
B 10 Floor (H211328-07)	5-21-21	4'	64.0	<0.300	<10.0
B 11 Floor (H211328-08)	5-21-21	6'	80.0	<0.300	<10.0
B 12 Floor (H211328-09)	5-21-21	1'	32.0	<0.300	12.0
B 13 Floor (H211328-10)	5-21-21	1'	32.0	<0.300	45.3
W 9 Wall (H211328-11)	5-21-21	0'-1'	32.0	<0.300	<10.0

SAMPLE ID	SAMPLE DATE	DEPTH FT BGS	CHLORIDE Mg/Kg	BTEX Mg/Kg	TPH Mg/Kg
W 10 Wall (H211335-01)	5-24-21	0'-1'	48.0	<0.300	28.2
B 14 Floor (H211335-02)	5-24-21	1'	928	65.6	10677.0
B 15 Floor (H211335-03)	5-24-21	1'	3080	62.3	16214.0

B 16 Floor (H211335-04)	5-24-21	1'	1500	109	17060.0
B 17 Floor (H211335-05)	5-24-21	1'	48.0	<0.300	45.20
B 18 Floor (H211335-06)	5-24-21	1'	32.0	26.21	1938.6

Legend

- Excavation
- Floor Section Lines
- Sample Points
- Wall Section Lines



NW N NE
300 330 0 30 60
8°N (T) 32°45'8"N, 103°54'22"W ±13ft ▲ 3631ft



Excavation
Diamondback

Kincaid Watson
02 Jun 2021, 11:00:18



☀ 289°W (T) ● 32°45'8"N, 103°54'21"W ±9ft ▲ 3630ft



Excavation
Diamondback

Kincaid Watson
02 Jun 2021, 11:00:56



☉ 331°NW (T) ● 32°45'8"N, 103°54'22"W ±16ft ▲ 3629ft



Excavation
Diamondback

Kincaid Watson
02 Jun 2021, 11:01:14



☉ 170°S (T) ● 32°45'10"N, 103°54'22"W ±13ft ▲ 3643ft



Excavation
Diamondback

Kincaid Watson
02 Jun 2021, 11:02:19



☉ 329°NW (T) ● 32°45'10"N, 103°54'22"W ±13ft ▲ 3642ft



Excavation
Diamondback

Kincaid Watson
02 Jun 2021, 11:02:29



☀ 220°SW (T) 📍 32°45'11"N, 103°54'22"W ±213ft ▲ 3642ft



Excavation
Diamondback

Kincaid Watson
02 Jun 2021, 11:02:51

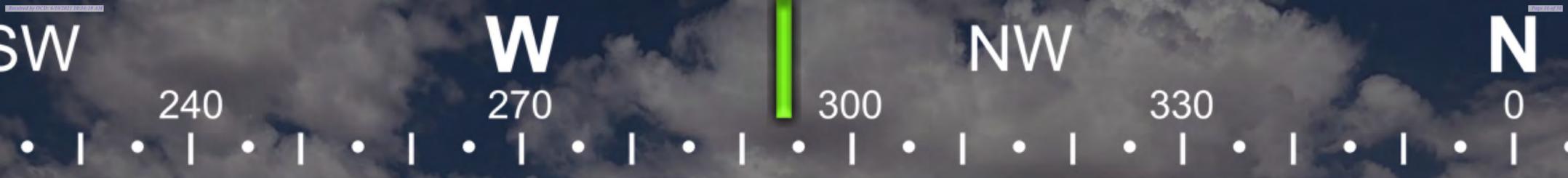


☉ 281°W (T) ☉ 32°45'11"N, 103°54'22"W ±203ft ▲ 3643ft



Excavation
Diamondback

Kincaid Watson
02 Jun 2021, 11:03:17



☀ 294°NW (T) ● 32°45'12"N, 103°54'22"W ±13ft ▲ 3647ft



Excavation
Diamondback

Kincaid Watson
02 Jun 2021, 11:04:01

E SE S
60 90 120 150 180
123°SE (T) 32°45'12"N, 103°54'23"W ±22ft ▲ 3646ft



Excavation
Diamondback

Kincaid Watson
02 Jun 2021, 11:04:29

SE

S

SW

150

180

210

240

☀ 194°S (T) ● 32°45'12"N, 103°54'23"W ±16ft ▲ 3646ft



Excavation
Diamondback

Kincaid Watson
02 Jun 2021, 11:04:35



☀ 349°N (T) ● 32°45'7"N, 103°54'22"W ±19ft ▲ 3631ft



07 Jun 2021, 15:37:06



☉ 166°S (T) ● 32°45'11"N, 103°54'23"W ±111ft ▲ 3645ft



07 Jun 2021, 15:39:05



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

May 25, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: KINCAID WATSON

Enclosed are the results of analyses for samples received by the laboratory on 05/19/21 16:49.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 cursive script that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/19/2021	Sampling Date:	05/19/2021
Reported:	05/25/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KINCAID WATSON FED #1 BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 3 @ 5' (H211305-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2021	ND	2.05	103	2.00	3.93	
Toluene*	<0.050	0.050	05/21/2021	ND	2.01	101	2.00	3.36	
Ethylbenzene*	<0.050	0.050	05/21/2021	ND	1.94	96.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/21/2021	ND	5.87	97.9	6.00	3.29	
Total BTEX	<0.300	0.300	05/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/21/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2021	ND	213	106	200	2.17	
DRO >C10-C28*	<10.0	10.0	05/21/2021	ND	218	109	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	05/21/2021	ND					

Surrogate: 1-Chlorooctane 91.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.2 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/19/2021	Sampling Date:	05/19/2021
Reported:	05/25/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KINCAID WATSON FED #1 BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: W 4 BGS 1-5' (H211305-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2021	ND	2.05	103	2.00	3.93		
Toluene*	<0.050	0.050	05/21/2021	ND	2.01	101	2.00	3.36		
Ethylbenzene*	<0.050	0.050	05/21/2021	ND	1.94	96.8	2.00	3.72		
Total Xylenes*	<0.150	0.150	05/21/2021	ND	5.87	97.9	6.00	3.29		
Total BTEX	<0.300	0.300	05/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/21/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/21/2021	ND	213	106	200	2.17		
DRO >C10-C28*	<10.0	10.0	05/21/2021	ND	218	109	200	3.32		
EXT DRO >C28-C36	<10.0	10.0	05/21/2021	ND						

Surrogate: 1-Chlorooctane 88.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 87.1 % 38.9-142

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/19/2021	Sampling Date:	05/19/2021
Reported:	05/25/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KINCAID WATSON FED #1 BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: W 5 BGS 1-5' (H211305-03)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2021	ND	2.05	103	2.00	3.93		
Toluene*	<0.050	0.050	05/21/2021	ND	2.01	101	2.00	3.36		
Ethylbenzene*	<0.050	0.050	05/21/2021	ND	1.94	96.8	2.00	3.72		
Total Xylenes*	<0.150	0.150	05/21/2021	ND	5.87	97.9	6.00	3.29		
Total BTEX	<0.300	0.300	05/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/21/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/21/2021	ND	213	106	200	2.17		
DRO >C10-C28*	29.9	10.0	05/21/2021	ND	218	109	200	3.32		
EXT DRO >C28-C36	<10.0	10.0	05/21/2021	ND						

Surrogate: 1-Chlorooctane 83.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.9 % 38.9-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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:	05/19/2021	Sampling Date:	05/19/2021
Reported:	05/25/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KINCAID WATSON FED #1 BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: W 6 BGS 1-6' (H211305-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2021	ND	2.05	103	2.00	3.93	
Toluene*	<0.050	0.050	05/21/2021	ND	2.01	101	2.00	3.36	
Ethylbenzene*	<0.050	0.050	05/21/2021	ND	1.94	96.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/21/2021	ND	5.87	97.9	6.00	3.29	
Total BTEX	<0.300	0.300	05/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PII) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/21/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2021	ND	213	106	200	2.17	
DRO >C10-C28*	<10.0	10.0	05/21/2021	ND	218	109	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	05/21/2021	ND					

Surrogate: 1-Chlorooctane 85.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.4 % 38.9-142

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/19/2021	Sampling Date:	05/19/2021
Reported:	05/25/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KINCAID WATSON FED #1 BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: W 7 BGS 1-5' (H211305-05)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/21/2021	ND	2.05	103	2.00	3.93		
Toluene*	<0.050	0.050	05/21/2021	ND	2.01	101	2.00	3.36		
Ethylbenzene*	<0.050	0.050	05/21/2021	ND	1.94	96.8	2.00	3.72		
Total Xylenes*	<0.150	0.150	05/21/2021	ND	5.87	97.9	6.00	3.29		
Total BTEX	<0.300	0.300	05/21/2021	ND						

Surrogate: 4-Bromofluorobenzene (PII) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/21/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/21/2021	ND	213	106	200	2.17		
DRO >C10-C28*	81.5	10.0	05/21/2021	ND	218	109	200	3.32		
EXT DRO >C28-C36	13.1	10.0	05/21/2021	ND						

Surrogate: 1-Chlorooctane 91.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 92.7 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/19/2021	Sampling Date:	05/19/2021
Reported:	05/25/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KINCAID WATSON FED #1 BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: W 8 BGS 1-5' (H211305-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/21/2021	ND	2.05	103	2.00	3.93	
Toluene*	<0.050	0.050	05/21/2021	ND	2.01	101	2.00	3.36	
Ethylbenzene*	<0.050	0.050	05/21/2021	ND	1.94	96.8	2.00	3.72	
Total Xylenes*	<0.150	0.150	05/21/2021	ND	5.87	97.9	6.00	3.29	
Total BTEX	<0.300	0.300	05/21/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 111 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/21/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/21/2021	ND	213	106	200	2.17	
DRO >C10-C28*	<10.0	10.0	05/21/2021	ND	218	109	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	05/21/2021	ND					

Surrogate: 1-Chlorooctane 87.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.3 % 38.9-142

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

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

Page 9 of 9

Company Name: <u>Apache</u>		BILL TO		ANALYSIS REQUEST																					
Project Manager: <u>Justin Roberts</u>		P.O. #:																							
Address:		Company:																							
City: <u>Hobbs</u>	State: <u>NM</u> Zip: <u>88240</u>	Attn:																							
Phone #:	Fax #:	Address:																							
Project #:	Project Owner:	City:																							
Project Name:		State: Zip:																							
Project Location: <u>Kirkland Watson Fed #1 Battery</u>		Phone #:																							
Sampler Name: <u>Joe Cussick Jr</u>		Fax #:																							
FOR LAB USE ONLY																									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV	SAMPLING																
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE/COOL	OTHER	DATE	TIME											
<u>H211305</u>	<u>B3- @ 5'</u>	<u>CCCCC</u>	<u>1</u>	/	/	/	/	/	/	/	/	/	<u>5/19</u>	<u>3:35</u>	X	X	X								
<u>1</u>	<u>W4 BGOS 1-5'</u>			/	/	/	/	/	/	/	/	/			X	X	X								
<u>2</u>	<u>W5 BGOS 1-5'</u>			/	/	/	/	/	/	/	/	/			X	X	X								
<u>3</u>	<u>W6 BGOS 1-5'</u>			/	/	/	/	/	/	/	/	/			X	X	X								
<u>4</u>	<u>W7 BGOS 1-5'</u>			/	/	/	/	/	/	/	/	/			X	X	X								
<u>5</u>	<u>W8 BGOS 1-5'</u>			/	/	/	/	/	/	/	/	/			X	X	X								
<u>6</u>																									

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Relinquished By: <u>[Signature]</u>	Date: <u>5/19/01</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <u>5.6</u>	Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	REMARKS: <u>Diamond Back 24 e yahoo.com</u>
	Corrected Temp. °C	CHECKED BY: (Initials) <u>YO</u>	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
			Thermometer ID #113 Correction Factor None
			Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C

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



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

May 26, 2021

JUSTIN ROBERTS

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: KINCAID WATSON

Enclosed are the results of analyses for samples received by the laboratory on 05/21/21 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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



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

Analytical Results For:

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

Received:	05/21/2021	Sampling Date:	05/21/2021
Reported:	05/26/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KINCAID WATSON FED #1 BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 4 @ 5' (H211328-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2021	ND	2.11	105	2.00	0.172	
Toluene*	<0.050	0.050	05/25/2021	ND	2.19	110	2.00	0.644	
Ethylbenzene*	<0.050	0.050	05/25/2021	ND	2.18	109	2.00	0.691	
Total Xylenes*	<0.150	0.150	05/25/2021	ND	6.42	107	6.00	0.0923	
Total BTEX	<0.300	0.300	05/25/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/25/2021	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	05/25/2021	ND	222	111	200	0.367	
DRO >C10-C28*	<10.0	10.0	05/25/2021	ND	226	113	200	0.199	
EXT DRO >C28-C36	<10.0	10.0	05/25/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 108 % 38.9-142

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/21/2021	Sampling Date:	05/21/2021
Reported:	05/26/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KINCAID WATSON FED #1 BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 5 @ 5' (H211328-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2021	ND	2.11	105	2.00	0.172	
Toluene*	<0.050	0.050	05/25/2021	ND	2.19	110	2.00	0.644	
Ethylbenzene*	<0.050	0.050	05/25/2021	ND	2.18	109	2.00	0.691	
Total Xylenes*	<0.150	0.150	05/25/2021	ND	6.42	107	6.00	0.0923	
Total BTEX	<0.300	0.300	05/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	05/25/2021	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	05/25/2021	ND	222	111	200	0.367	
DRO >C10-C28*	<10.0	10.0	05/25/2021	ND	226	113	200	0.199	
EXT DRO >C28-C36	<10.0	10.0	05/25/2021	ND					

Surrogate: 1-Chlorooctane 109 % 44.3-133

Surrogate: 1-Chlorooctadecane 111 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/21/2021	Sampling Date:	05/21/2021
Reported:	05/26/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KINCAID WATSON FED #1 BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 6 @ 5' (H211328-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2021	ND	2.11	105	2.00	0.172	
Toluene*	<0.050	0.050	05/25/2021	ND	2.19	110	2.00	0.644	
Ethylbenzene*	<0.050	0.050	05/25/2021	ND	2.18	109	2.00	0.691	
Total Xylenes*	<0.150	0.150	05/25/2021	ND	6.42	107	6.00	0.0923	
Total BTEX	<0.300	0.300	05/25/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/25/2021	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	05/25/2021	ND	219	109	200	1.23	QM-07, QR-03
DRO >C10-C28*	33.8	10.0	05/25/2021	ND	225	113	200	0.770	QM-07, QR-03
EXT DRO >C28-C36	<10.0	10.0	05/25/2021	ND					

Surrogate: 1-Chlorooctane 95.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/21/2021	Sampling Date:	05/21/2021
Reported:	05/26/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KINCAID WATSON FED #1 BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 7 @ 5' (H211328-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2021	ND	2.11	105	2.00	0.172	
Toluene*	<0.050	0.050	05/25/2021	ND	2.19	110	2.00	0.644	
Ethylbenzene*	<0.050	0.050	05/25/2021	ND	2.18	109	2.00	0.691	
Total Xylenes*	<0.150	0.150	05/25/2021	ND	6.42	107	6.00	0.0923	
Total BTEX	<0.300	0.300	05/25/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/25/2021	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	05/25/2021	ND	219	109	200	1.23	
DRO >C10-C28*	<10.0	10.0	05/25/2021	ND	225	113	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	05/25/2021	ND					

Surrogate: 1-Chlorooctane 96.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/21/2021	Sampling Date:	05/21/2021
Reported:	05/26/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KINCAID WATSON FED #1 BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 8 @ 5' (H211328-05)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.102	0.100	05/25/2021	ND	2.11	105	2.00	0.172	
Toluene*	7.50	0.100	05/25/2021	ND	2.19	110	2.00	0.644	
Ethylbenzene*	10.7	0.100	05/25/2021	ND	2.18	109	2.00	0.691	
Total Xylenes*	22.2	0.300	05/25/2021	ND	6.42	107	6.00	0.0923	
Total BTEX	40.5	0.600	05/25/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 172 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/25/2021	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*	69.4	10.0	05/25/2021	ND	219	109	200	1.23	
DRO >C10-C28*	1500	10.0	05/25/2021	ND	225	113	200	0.770	
EXT DRO >C28-C36	264	10.0	05/25/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 127 % 38.9-142

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/21/2021	Sampling Date:	05/21/2021
Reported:	05/26/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KINCAID WATSON FED #1 BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 9 @ 5' (H211328-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2021	ND	2.11	105	2.00	0.172	
Toluene*	<0.050	0.050	05/25/2021	ND	2.19	110	2.00	0.644	
Ethylbenzene*	<0.050	0.050	05/25/2021	ND	2.18	109	2.00	0.691	
Total Xylenes*	<0.150	0.150	05/25/2021	ND	6.42	107	6.00	0.0923	
Total BTEX	<0.300	0.300	05/25/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/25/2021	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	05/25/2021	ND	219	109	200	1.23	
DRO >C10-C28*	30.5	10.0	05/25/2021	ND	225	113	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	05/25/2021	ND					

Surrogate: 1-Chlorooctane 87.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/21/2021	Sampling Date:	05/21/2021
Reported:	05/26/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KINCAID WATSON FED #1 BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 10 @ 4' (H211328-07)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2021	ND	2.11	105	2.00	0.172	
Toluene*	<0.050	0.050	05/25/2021	ND	2.19	110	2.00	0.644	
Ethylbenzene*	<0.050	0.050	05/25/2021	ND	2.18	109	2.00	0.691	
Total Xylenes*	<0.150	0.150	05/25/2021	ND	6.42	107	6.00	0.0923	
Total BTEX	<0.300	0.300	05/25/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/25/2021	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	05/25/2021	ND	219	109	200	1.23	
DRO >C10-C28*	<10.0	10.0	05/25/2021	ND	225	113	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	05/25/2021	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/21/2021	Sampling Date:	05/21/2021
Reported:	05/26/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KINCAID WATSON FED #1 BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 11 @ 6' (H211328-08)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2021	ND	2.11	105	2.00	0.566	
Toluene*	<0.050	0.050	05/25/2021	ND	2.22	111	2.00	0.111	
Ethylbenzene*	<0.050	0.050	05/25/2021	ND	2.20	110	2.00	0.909	
Total Xylenes*	<0.150	0.150	05/25/2021	ND	6.52	109	6.00	0.587	
Total BTEX	<0.300	0.300	05/25/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	05/25/2021	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	05/25/2021	ND	219	109	200	1.23	
DRO >C10-C28*	<10.0	10.0	05/25/2021	ND	225	113	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	05/25/2021	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/21/2021	Sampling Date:	05/21/2021
Reported:	05/26/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KINCAID WATSON FED #1 BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 12 @ 1' (H211328-09)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2021	ND	2.11	105	2.00	0.566	
Toluene*	<0.050	0.050	05/25/2021	ND	2.22	111	2.00	0.111	
Ethylbenzene*	<0.050	0.050	05/25/2021	ND	2.20	110	2.00	0.909	
Total Xylenes*	<0.150	0.150	05/25/2021	ND	6.52	109	6.00	0.587	
Total BTEX	<0.300	0.300	05/25/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/25/2021	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	05/25/2021	ND	219	109	200	1.23	
DRO >C10-C28*	12.2	10.0	05/25/2021	ND	225	113	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	05/25/2021	ND					

Surrogate: 1-Chlorooctane 96.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/21/2021	Sampling Date:	05/21/2021
Reported:	05/26/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KINCAID WATSON FED #1 BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 13 @ 1' (H211328-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2021	ND	2.11	105	2.00	0.566	
Toluene*	<0.050	0.050	05/25/2021	ND	2.22	111	2.00	0.111	
Ethylbenzene*	<0.050	0.050	05/25/2021	ND	2.20	110	2.00	0.909	
Total Xylenes*	<0.150	0.150	05/25/2021	ND	6.52	109	6.00	0.587	
Total BTEX	<0.300	0.300	05/25/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/25/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2021	ND	219	109	200	1.23	
DRO >C10-C28*	45.3	10.0	05/25/2021	ND	225	113	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	05/25/2021	ND					

Surrogate: 1-Chlorooctane 92.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/21/2021	Sampling Date:	05/21/2021
Reported:	05/26/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KINCAID WATSON FED #1 BATTERY	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: W 9 BGS 0-1' (H211328-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/25/2021	ND	2.11	105	2.00	0.566	
Toluene*	<0.050	0.050	05/25/2021	ND	2.22	111	2.00	0.111	
Ethylbenzene*	<0.050	0.050	05/25/2021	ND	2.20	110	2.00	0.909	
Total Xylenes*	<0.150	0.150	05/25/2021	ND	6.52	109	6.00	0.587	
Total BTEX	<0.300	0.300	05/25/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/25/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2021	ND	219	109	200	1.23	
DRO >C10-C28*	<10.0	10.0	05/25/2021	ND	225	113	200	0.770	
EXT DRO >C28-C36	<10.0	10.0	05/25/2021	ND					

Surrogate: 1-Chlorooctane 96.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 96.9 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

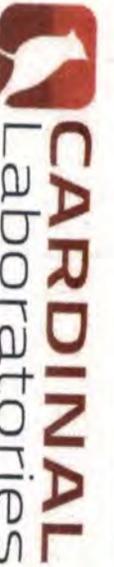
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Celey D. Keene

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>Agustin Conto-Diamond Beck</u> Project Manager: <u>Justin Roberts</u> Address: _____ City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u> Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: _____ Project Location: <u>Kingbird Watson Fed #1 Bath</u> Sampler Name: <u>Joe Dussel Jr.</u> FOR LAB USE ONLY		P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Lab I.D. <u>#211328</u> Sample I.D. _____ (G)RAB OR (C)OMR _____ # CONTAINERS _____ MATRIX: _____ GROUNDWATER _____ WASTEWATER _____ SOIL _____ OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ (C)E/COL _____ OTHER: _____ PRESERV: _____ SAMPLING: _____		DATE _____ TIME _____ SAMPLE CONDITION: _____ Cool Intact: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Broken Corrected Temp. °C _____ Observed Temp. °C <u>29</u>	
Delivered By: (Circle One) <u>UPS</u> Sampler - UPS - Bus - Other: _____ Form 000-K-3-T-0000920		Received By: <u>Justin Roberts</u> Date: _____ Time: _____ Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____ Remarks: <u>Diamond Beck at yahoo.com</u>	



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: <u>Apex R.</u> Project Manager: <u>Justin R.</u>		P.O. #: _____ Company: _____	
Address: _____ City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn: _____ Address: _____	
Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____		City: _____ State: _____ Zip: _____	
Project Name: _____ Project Location: <u>Kingsfield Watson Feed #1 Bath</u>			
Sampler Name: <u>Joe Chusek</u>			
FOR LAB USE ONLY			
Lab I.D. <u>H211328</u> Sample I.D. <u>9 RB 01'</u> <u>10 RB 01'</u> <u>11 WY 055 0-1'</u>	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: _____	MATRIX ACID/BASE: ICE/COOL OTHER: _____	PRESERV. _____ DATE TIME
			EXT TH BTEX
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, real or legal, 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: <u>[Signature]</u> Date: <u>5/10/21</u>		Received By: <u>[Signature]</u> Date: <u>5/10/21</u>	
Delivered By: (Circle One) UPS - Bus - Other: _____		Observed Temp. °C <u>2.9</u> Corrected Temp. °C _____	
Sample Condition Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		CHECKED BY: (Initials) <u>[Signature]</u>	
Turnaround Time: _____ Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____	
Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		All Results are emailed. Please provide Email address: _____ REMARKS: <u>Diamond back all@yahoo.com</u>	
Thermometer ID #113 Correction Factor None		Corrected Temp. °C _____	

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



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

May 27, 2021

JUSTIN ROBERTS

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: KINCAID WATSON

Enclosed are the results of analyses for samples received by the laboratory on 05/24/21 17:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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 cursive script that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/24/2021	Sampling Date:	05/24/2021
Reported:	05/27/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KWF #1 B	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: W 10 BGS 0'-1' (H211335-01)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/26/2021	ND	2.04	102	2.00	15.3		
Toluene*	<0.050	0.050	05/26/2021	ND	1.97	98.5	2.00	15.9		
Ethylbenzene*	<0.050	0.050	05/26/2021	ND	1.88	94.0	2.00	17.7		
Total Xylenes*	<0.150	0.150	05/26/2021	ND	5.71	95.2	6.00	17.4		
Total BTEX	<0.300	0.300	05/26/2021	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 112 % 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	48.0	16.0	05/26/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/26/2021	ND	220	110	200	1.69		
DRO >C10-C28*	28.2	10.0	05/26/2021	ND	225	112	200	0.890		
EXT DRO >C28-C36	<10.0	10.0	05/26/2021	ND						

Surrogate: 1-Chlorooctane 93.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 97.0 % 38.9-142

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/24/2021	Sampling Date:	05/24/2021
Reported:	05/27/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KWF #1 B	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 14 @ 1' (H211335-02)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	1.26	0.200	05/26/2021	ND	2.04	102	2.00	15.3		
Toluene*	17.4	0.200	05/26/2021	ND	1.97	98.5	2.00	15.9		
Ethylbenzene*	17.8	0.200	05/26/2021	ND	1.88	94.0	2.00	17.7		
Total Xylenes*	29.1	0.600	05/26/2021	ND	5.71	95.2	6.00	17.4		
Total BTEX	65.6	1.20	05/26/2021	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 149 % 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	928	16.0	05/26/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	697	50.0	05/26/2021	ND	220	110	200	1.69		
DRO >C10-C28*	8130	50.0	05/26/2021	ND	225	112	200	0.890		
EXT DRO >C28-C36	1850	50.0	05/26/2021	ND						

Surrogate: 1-Chlorooctane 147 % 44.3-133

Surrogate: 1-Chlorooctadecane 296 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/24/2021	Sampling Date:	05/24/2021
Reported:	05/27/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KWF #1 B	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 15 @ 1' (H211335-03)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	1.26	0.200	05/26/2021	ND	2.04	102	2.00	15.3		
Toluene*	13.8	0.200	05/26/2021	ND	1.97	98.5	2.00	15.9		
Ethylbenzene*	17.1	0.200	05/26/2021	ND	1.88	94.0	2.00	17.7		
Total Xylenes*	30.1	0.600	05/26/2021	ND	5.71	95.2	6.00	17.4		
Total BTEX	62.3	1.20	05/26/2021	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 177 % 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	3080	16.0	05/26/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	774	50.0	05/26/2021	ND	220	110	200	1.69		
DRO >C10-C28*	12500	50.0	05/26/2021	ND	225	112	200	0.890		
EXT DRO >C28-C36	2940	50.0	05/26/2021	ND						

Surrogate: 1-Chlorooctane 247 % 44.3-133

Surrogate: 1-Chlorooctadecane 407 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/24/2021	Sampling Date:	05/24/2021
Reported:	05/27/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KWF #1 B	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 16 @ 1' (H211335-04)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.780	0.200	05/26/2021	ND	2.04	102	2.00	15.3		
Toluene*	20.4	0.200	05/26/2021	ND	1.97	98.5	2.00	15.9		
Ethylbenzene*	28.4	0.200	05/26/2021	ND	1.88	94.0	2.00	17.7		
Total Xylenes*	59.3	0.600	05/26/2021	ND	5.71	95.2	6.00	17.4		
Total BTEX	109	1.20	05/26/2021	ND						

Surrogate: 4-Bromofluorobenzene (PIC) 189 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1500	16.0	05/26/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	1160	50.0	05/26/2021	ND	220	110	200	1.69		
DRO >C10-C28*	12800	50.0	05/26/2021	ND	225	112	200	0.890		
EXT DRO >C28-C36	3100	50.0	05/26/2021	ND						

Surrogate: 1-Chlorooctane 191 % 44.3-133

Surrogate: 1-Chlorooctadecane 410 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/24/2021	Sampling Date:	05/24/2021
Reported:	05/27/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KWF #1 B	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 17 @ 1' (H211335-05)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/26/2021	ND	2.04	102	2.00	15.3		
Toluene*	0.050	0.050	05/26/2021	ND	1.97	98.5	2.00	15.9		
Ethylbenzene*	<0.050	0.050	05/26/2021	ND	1.88	94.0	2.00	17.7		
Total Xylenes*	<0.150	0.150	05/26/2021	ND	5.71	95.2	6.00	17.4		
Total BTEX	<0.300	0.300	05/26/2021	ND						

Surrogate: 4-Bromofluorobenzene (PII) 109 % 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	48.0	16.0	05/26/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	05/26/2021	ND	220	110	200	1.69		
DRO >C10-C28*	27.9	10.0	05/26/2021	ND	225	112	200	0.890		
EXT DRO >C28-C36	17.3	10.0	05/26/2021	ND						

Surrogate: 1-Chlorooctane 98.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 100 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	05/24/2021	Sampling Date:	05/24/2021
Reported:	05/27/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KWF #1 B	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 18 @ 1' (H211335-06)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/26/2021	ND	2.04	102	2.00	15.3	
Toluene*	2.37	0.050	05/26/2021	ND	1.97	98.5	2.00	15.9	
Ethylbenzene*	3.95	0.050	05/26/2021	ND	1.88	94.0	2.00	17.7	
Total Xylenes*	6.79	0.150	05/26/2021	ND	5.71	95.2	6.00	17.4	
Total BTEX	13.1	0.300	05/26/2021	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 159 % 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	32.0	16.0	05/26/2021	ND	400	100	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*	99.6	10.0	05/26/2021	ND	220	110	200	1.69	
DRO >C10-C28*	1550	10.0	05/26/2021	ND	225	112	200	0.890	
EXT DRO >C28-C36	289	10.0	05/26/2021	ND					

Surrogate: 1-Chlorooctane 116 % 44.3-133

Surrogate: 1-Chlorooctadecane 120 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



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

June 01, 2021

JUSTIN ROBERTS

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: KINCAID WATSON

Enclosed are the results of analyses for samples received by the laboratory on 05/27/21 15:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. 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



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

Analytical Results For:

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

Received:	05/27/2021	Sampling Date:	05/27/2021
Reported:	06/01/2021	Sampling Type:	Soil
Project Name:	KINCAID WATSON	Sampling Condition:	Cool & Intact
Project Number:	KWF #1 B	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: B 8 @ 7' (H211373-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/01/2021	ND	1.98	98.9	2.00	1.26	
Toluene*	0.218	0.050	06/01/2021	ND	2.03	102	2.00	2.11	
Ethylbenzene*	0.063	0.050	06/01/2021	ND	2.00	99.8	2.00	1.10	
Total Xylenes*	<0.150	0.150	06/01/2021	ND	5.94	99.0	6.00	1.05	
Total BTEX	<0.300	0.300	06/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

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	05/28/2021	ND	206	103	200	0.162	
DRO >C10-C28*	<10.0	10.0	05/28/2021	ND	217	109	200	0.160	
EXT DRO >C28-C36	<10.0	10.0	05/28/2021	ND					

Surrogate: 1-Chlorooctane 77.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Agathe DiamondBack</u> Project Manager: <u>Justin Roberts</u>		P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u> Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: _____ Project Location: <u>Bingard Watson Fed Pool Bath</u> Sampler Name: <u>Joe Chesebrough Jr.</u> 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>Bingard Watson Fed Pool Bath</u> Sampler Name: <u>Joe Chesebrough Jr.</u> Phone #: _____ Fax #: _____		BILL TO P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____	
Lab I.D. <u>H21B73</u> Sample I.D. _____ Date: <u>5/27</u> Time: <u>12:12</u> Matrix: <input checked="" type="checkbox"/> (G)RAB OR (C)OMP # CONTAINERS: <u>1</u> GROUNDWATER: _____ WASTEWATER: _____ SOIL: <u>1</u> OIL: _____ SLUDGE: _____ OTHER: _____ ACID/BASE: <u>ICE/COOL</u> OTHER: _____		PRESERV: _____ SAMPLING: _____ DATE: <u>5/27</u> TIME: <u>12:12</u> EXT TPN _____ BTEX _____	
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 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, directly or indirectly, to the performance of services hereunder by Cardinal, regardless of whether such claim is based in contract or tort, or any other stated reasons or otherwise.		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>DiamondBack SU @ phone.com</u>	
Releasable By: _____ Date: <u>5/27/21</u> Time: <u>3:05pm</u> Refrindished By: _____ Date: _____ Time: _____ Received By: <u>Jawana Clarke</u>		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush Thermometer ID #113 <input type="checkbox"/> Correction Factor None Bacteria (only) Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact Observed Temp. °C: _____ Corrected Temp. °C: _____	
Delivered By: (Circle One) _____ Sampler - UPS - Bus - Other: _____ Observed Temp. °C: <u>5.9</u> Corrected Temp. °C: _____ Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact Checked By: (Initials) <u>AO</u>		Turnaround Time: _____ Thermometer ID #113 <input type="checkbox"/> Correction Factor None Bacteria (only) Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact Observed Temp. °C: _____ Corrected Temp. °C: _____	

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

District I
 1625 N. French Dr., Hobbs, NM 88240
 Phone:(575) 393-6161 Fax:(575) 393-0720
District II
 811 S. First St., Artesia, NM 88210
 Phone:(575) 748-1283 Fax:(575) 748-9720
District III
 1000 Rio Brazos Rd., Aztec, NM 87410
 Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
 1220 S. St Francis Dr., Santa Fe, NM 87505
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 31321

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 31321
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	Apache's deferral requests to complete final remediation during any future major construction/alteration or final plugging and abandonment, whichever occurs first is approved. The deferred C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue.	7/12/2021