Page 6

Oil Conservation Division

| Incident ID | NRM1931831123 |
|----------------|---------------|
| District RP | |
| Facility ID | |
| Application ID | |

Closure

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

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

A scaled site and sampling diagram as described in 19.15.29.11 NMAC

Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

 \checkmark Description of remediation activities

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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Title: Environmental Tech Sr. Staff

Printed Name: Larry Baker

Signature:Larry BakerDate:6/15/2023email:larry.baker@apachecorp.comTelephone:432-818-1654

Telephone: 432-818-1654

OCD Only

Received by: Robert Hamlet

Date: 11/27/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

| Closure Approved by: | Robert Hamlet | Date: | 11/27/2023 |
|----------------------|---------------|--------|-------------------------------------|
| Printed Name: Rober | t Hamlet | Title: | Environmental Specialist - Advanced |



303 Veterans Airpark Lane Midland, TX 79705

June 15, 2023

Re: EAU 47 Case # NRM1931831123

The OCD has requested further information for the variance request in Sec. 4 B Floor and Sec. 5 B Floor due to the opinion that the area gives the appearance of a legacy type of pit. Attached are the photos that provide evidence that it is historical impact not associated with this release. The TPH values in the pit would have meet closure requirements prior to the new rule publication in 2018.

Apache Corporation respectfully request closure with a variance for event nRM1931831123.

Submitted by.

Larry Baker

Environmental Technician Sr Staff larry.baker@apachecorp.com Cell# 432-215-2284 Off# 432-818-1000









Oil Conservation Division

| | Page 7 of 89 |
|-------------|--------------|
| Incident ID | |
| District RP | |
| Facility ID | |

Application ID

Closure

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303 Veterans Airpark Lane Midland, TX 79705

November 2, 2022

Re: EAU 47 Case # NRM1931831123

On 9/16/2022 the closure report was denied due to OCD opinion depth to groundwater had not been adequately determined. On 10/11/2022 a soil bore (GPS: 32.794821, -104.137507) was conducted within a ½ mile radius of the release site to a depth of 114 feet. The soil bore was left open for 72 hours and gauged with no water present in the soil bore to a depth of 114 feet. The data from the soil bore indicates that groundwater is greater than 100 feet beneath the release. Attached is the soil bore log.

Submitted by.

Larry Baker

Environmental Technician Sr Staff larry.baker@apachecorp.com Cell# 432-215-2284 Off# 432-818-1000

Desert Sand Water Well Services, LLC.

Soil Bore Report

| Vell Info | Customer: | | | Phone: | | Date: |
|---------------------|------------------|---------------------|-------|-----------|--|-------------|
| General / Well Info | Well Name: | | | Location: | | |
| TOG OF WELL | DEPTH FROM TO | THICKNESS (feet) | COLOR | | RIAL ENCOUNTERED - INC AVITIES OR FRACTURES | CLUDE WATER |
| | | | | | | |

.

| From: | Nobui, Jennifer, EMNRD |
|----------|--|
| To: | Baker, Larry |
| Cc: | Billings, Bradford, EMNRD; Bratcher, Michael, EMNRD; Hamlet, Robert, EMNRD; Harimon, Jocelyn, EMNRD |
| Subject: | RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 17889 |
| Date: | Monday, October 3, 2022 3:12:34 PM |

Hello Larry

OCD approves your request for a 2-week extension to submit a closure report. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks, Jennifer Nobui

From: Baker, Larry <Larry.Baker@apachecorp.com>
Sent: Monday, October 3, 2022 12:24 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>; Bratcher, Michael, EMNRD
<mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>;
Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>
Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application,
Application ID: 17889

Ms. Nobui,

The soil bore was on site on 9/19/2022 but had some mechanical failures and could not conduct the soil bore. The repairs have been made and rescheduled the soil bore for this Wednesday. Can I request another 2 week extension. Thanks

BRUCE BAKER

ENVIRONMENTAL TECHNICIAN SR STAFF direct 432-818-1654 | Cell 432-215-2284

APACHE CORPORATION 303 Veterans Airpark Lane Midland, TX 79705 <u>ApacheCorp.com</u> | LinkedIn | Facebook | Twitter | StockTwits | YouTube

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Wednesday, September 14, 2022 3:33 PM
To: Baker, Larry <Larry.Baker@apachecorp.com>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD
<mike.bratcher@state.nm.us>; Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>; Harimon,

Jocelyn, EMNRD <<u>Jocelyn.Harimon@state.nm.us</u>> **Subject:** RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 17889

Hello Larry

The OCD approves your request for a two-week extension to September 30, 2022 to submit the closure report.

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

Thanks Jennifer Nobui

From: Baker, Larry <Larry.Baker@apachecorp.com>
Sent: Wednesday, September 14, 2022 11:13 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD
<mike.bratcher@state.nm.us>
Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application,
Application ID: 17889

Ms. Nobui,

The soil bore is scheduled for Monday 9/19/2022. Apache Corporation would like to request a two week extension to resubmit the closure report. Thanks and have a good day.

BRUCE BAKER

ENVIRONMENTAL TECHNICIAN SR STAFF direct 432-818-1654 | Cell 432-215-2284

APACHE CORPORATION 303 Veterans Airpark Lane Midland, TX 79705 ApacheCorp.com | LinkedIn | Facebook | Twitter | StockTwits | YouTube

From: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Sent: Tuesday, August 30, 2022 3:59 PM
To: Baker, Larry <Larry.Baker@apachecorp.com>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD
<mike.bratcher@state.nm.us>
Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application,

Application ID: 17889

Let me know if you need to a request an extension.

From: Baker, Larry <Larry.Baker@apachecorp.com>
Sent: Tuesday, August 30, 2022 2:56 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Cc: Billings, Bradford, EMNRD <Bradford.Billings@state.nm.us>; Bratcher, Mike, EMNRD
<mike.bratcher@state.nm.us>
Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application,
Application ID: 17889

Ms. Nobui,

Thank you for the quick response. Although I disagree with OCD assessment of the data being insufficient Apache Corporation will spend the unnecessary cost to install a soil bore within ½ mile to demonstrate that the data provide is accurate. Please note that soil bore rigs can be difficult to schedule but I will get it done asap in attempt to meet the deadline of 9/16/2022 to resubmit a revised closure report. Thanks and have a good day.

BRUCE BAKER ENVIRONMENTAL TECHNICIAN SR STAFF direct 432-818-1654 | Cell 432-215-2284 APACHE CORPORATION 303 Veterans Airpark Lane Midland, TX 79705

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

From: Nobui, Jennifer, EMNRD <<u>Jennifer.Nobui@state.nm.us</u>>

Sent: Tuesday, August 30, 2022 3:29 PM

To: Baker, Larry <<u>Larry.Baker@apachecorp.com</u>>

Cc: Billings, Bradford, EMNRD <<u>Bradford.Billings@state.nm.us</u>>; Bratcher, Mike, EMNRD <<u>mike.bratcher@state.nm.us</u>>

Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 17889

Hello Larry

The data you provided is insufficient to meet OCD requirements.

Best Regards,

Jennifer Nobui, PG • Environmental Specialist A Environmental Bureau EMNRD - Oil Conservation Division 5200 Oakland Avenue N.E Suite 100 | Albuquerque, NM 87113 505.470-3407 | Jennifer.Nobui@state.nm.us http://www.emnrd.state.nm.us/OCD/

From: Baker, Larry <Larry.Baker@apachecorp.com>
Sent: Tuesday, August 30, 2022 1:17 PM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@state.nm.us>
Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application,
Application ID: 17889

Ms. Nobui,

Attached are two soil bore conducted that support the USGS data in the report. The soil bore to the west was conducted on 8/3/2021 and is approximately 2.24 miles from the release. That soil bore was advanced to 104 feet left open for 72 hours and no water was indicated. On 5/26/2011 a soil bore was conducted to a depth of 99.12 and left open greater than 72 hours and had no indication of water. That soil bore is approximately 1.99 miles east of the release. The USGS data last reading was conducted in 1994 with a reading 257 feet to groundwater. That well according to the GPS provided is .64 miles south of the release. Although all the data is greater than ½ mile and the well data from the USGS well is older than 25 years the data does make a good argument for water beneath the release to be greater than 100 feet. I wanted your opinion on the acceptability of this data in regards to making the case for groundwater. If it satisfies the OCD then I will include it in the closure report and resubmit to the portal. Please let me know your thoughts. Thanks and have a good day.

BRUCE BAKER ENVIRONMENTAL TECHNICIAN SR STAFF direct 432-818-1654 | Cell 432-215-2284

APACHE CORPORATION 303 Veterans Airpark Lane Midland, TX 79705

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

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

Sent: Tuesday, August 16, 2022 2:24 PM

To: Baker, Larry <<u>Larry.Baker@apachecorp.com</u>>

Subject: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 17889

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

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nRM1931831123, for the following reasons:

• Closure Report Denied. The depth to groundwater has not been adequately determined. When nearby wells are used to determine depth to groundwater, the wells should be no further than ½ mile away from the site, and data should be no more than 25 years old, and well construction information should be provided in the submission. The responsible party may choose to remediate to the most stringent levels listed in Table 1 of 19.15.29 NMAC in lieu of drilling to determine the depth to groundwater. Release not remediated to most stringent criteria. Please resubmit a revised Closure Report by September 16, 2022 to the OCD portal.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 17889.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you, Jennifer Nobui Environmental Specialist-Advanced 505-470-3407 Jennifer.Nobui@state.nm.us

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

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Apache Corporation EAU #47 NRM1931831123

Final Remediation Report

Introduction

This report presents the results of remediation activities at the EAU #47. On behalf of Apache Corporation (Apache), Diamondback Disposal Services, Inc (Diamondback) was tasked with the cleanup and remediation of release NRM1931831123. The release occurred in Unit Letter P, Section 26, Township 17S, Range 28E at coordinates 32.79977, -104.13909. The remediation was performed in general accordance with the New Mexico Oil Conservation Division (NMOCD) rules and regulations for releases dated July 24, 2018.

Overview

The spill site is located mostly on private land consisting of grass, prairie, or range lands, and active Apache lease road. Approximately 17 bbls of produced water was lost with 11 bbls being recovered and approximately 5 bbls of crude oil with 3 bbl being recovered, due to a corroded buried steel flow line.

Regulatory Guidelines

Upon review of the site characteristics, depth to ground water being 257', according to USGS and NMOSE ground water survey, and Table 1 Closure Criteria, The Recommended Remediation Action Levels (RRAL), determined by the latest NMOCD guidelines (19.15.29 NMAC) are as follows: 20,000mg/kg Chloride, 2,500 mg/kg GRO/DRO/MRO, 1,000 mg/kg GRO/DRO, 50 mg/kg BTEX, 10mg/kg Benzene.

Remediation Activities

Between the dates of January 5, 2021 and February 10, 2021, Diamondback excavated approximately 660 cubic yards (cy) of impacted material, loaded, and transported to R-360 (Halfway Facility) for disposal. Depth of excavation ranges from approximately 2 feet to 4 feet below ground surface (bgs). On January 8, 2021, the site was sampled to determine if RRAL's had been met. Five point composite samples were collected, every 200 square feet for both wall and floor sections, 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, not all floor and wall samples in the pasture area prove to be below RRAL's for site closure. Sections testing above RRAL's were excavated to a depth of 4 feet bos. The site was then re-sampled on February 5. 2021. All floor samples, with the exception of B 4 (see deferment), prove to below Table 1 closure standards, as well as restoration and reclamation standards.. All wall samples were also below Table 1 requirements as well as restoration and reclamation standards. On February 10, 2021 the site was backfilled with a total of 780 cy of clean topsoil, similar to surrounding area. Caliche was imported and placed in excavated lease road area. Material 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 State of NM Sandy Seed Mix at a rate of 30 Lbs/ acre.

Variance of Rule

Section B 4 was investigated with vertical delineation (see analytical) to determine depth and source of impaction. Two points outside the excavation were also tested to determine horizontal extents. In our opinion this area appears to be a legacy type pit common to un-lined work-over/blowdown pits used in the past, and is unrelated to the release occurring on 8-10-20.

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. 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.

•

| SAMPLE ID | SAMPLE DATE | DEPTH (feet bgs) | CHLORIDE mg/Kg | BTEX | TPH |
|-------------------------------|----------------|---------------------|-------------------|--------|-------|
| Sec 1 B. Floor H210061-01 | 1-8-21 | 2 | 160 | <0.300 | 622 |
| Sec 2 B. Floor H210061-02 | 1-8-21 | 2 | 112 | <0.300 | 402 |
| Sec 3 B. Floor H210061-03 | 1-8-21 | 2 | 96.0 | <0.300 | 256.9 |
| Sec 4 B. Floor H210061-04 | 1-8-21 | 2 | 240 | <0.300 | 517 |
| Sec 5 B. Floor H210061-05 | 1-8-21 | 2 | 368 | <0.300 | 361 |
| Sec 6 B. Floor H210061-01 | 1-8-21 | 2 | 80.0 | <0.300 | 248.1 |
| Sec 7 B. Floor H210061-01 | 1-8-21 | 2 | 288 | <0.300 | 721 |
| Sec 8 B. Floor H210061-08 | 1-8-21 | 2 | 212 | <0.300 | <10 |
| Sec 9 B. Floor H210061-09 | 1-8-21 | 2 | 784 | <0.300 | 39.10 |
| Sec 10 B. Floor H210061-10 | 1-8-21 | 2 | 640 | <0.300 | 268.7 |
| Sec 11 B. Floor H210061-11 | 1-8-21 | 2 | 272 | <0.300 | 10.3 |
| Sec 12 B. Floor H210061-12 | 1-8-21 | 2 | 576 | <0.300 | 64.7 |
| Sec 13 B. Floor H210061-13 | 1-8-21 | 2 | 704 | <0.300 | 273.2 |
| Sec 14 B. Floor H210061-14 | 1-8-21 | 2 | 704 | <0.300 | 134.7 |
| Sec 15 B. Floor H210061-15 | 1-8-21 | 2 | 736 | <0.300 | 163.8 |
| Sec 16 B. Floor H210061-16 | 1-8-21 | 2 | 480 | <0.300 | 23.1 |
| Sec 17 B. Floor H210061-17 | 1-8-21 | 2 | 1060 | <0.300 | <10 |
| Sec 18 B. Floor H210061-18 | 1-8-21 | 2 | 496 | <0.300 | 18.8 |

| Sec 19 B. Floor H210061-19 | 1-8-21 | 2 | 80.0 | <0.300 | <10 |
|-------------------------------|--------|-----|------|--------|-------|
| Sec 20 B. Floor H210061-20 | 1-8-21 | 2 | 368 | <0.300 | <10 |
| Sec 21 B. Floor H210061-21 | 1-8-21 | 2 | 64.0 | <0.300 | <10 |
| Sec 22 B. Floor H210061-22 | 1-8-21 | 2 | 48.0 | <0.300 | <10 |
| Sec 23 B. Floor H210061-23 | 1-8-21 | 2 | 160 | <0.300 | <10.0 |
| Sec 24 B. Floor H210061-24 | 1-8-21 | 2 | 128 | <0.300 | <10.0 |
| Sec 25 B. Floor H210061-25 | 1-8-21 | 2 | 272 | <0.300 | <10.0 |
| Sec 26 B. Floor H210061-26 | 1-8-21 | 2 | 368 | <0.300 | <10.0 |
| Sec 3 W. Wall H210061-27 | 1-8-21 | 1-2 | 64.0 | <0.300 | <10.0 |
| Sec 1 W. Wall H210061-28 | 1-8-21 | 1-2 | 208 | <0.300 | 264.8 |
| Sec 2 W. Wall H210061-29 | 1-8-21 | 1-2 | 112 | <0.300 | 10.6 |
| Sec 4 W. Wall H210061-30 | 1-8-21 | 1-2 | 128 | <0.300 | <10.0 |
| Sec 5 W. Wall H210061-31 | 1-8-21 | 1-2 | 176 | <0.300 | <10.0 |
| Sec 6 W. Wall H210061-32 | 1-8-21 | 1-2 | 192 | <0.300 | <10.0 |

•

| SAMPLE ID | SAMPLE DATE | DEPTH (feet bgs) | CHLORIDE mg/Kg | BTEX | TPH |
|-------------------------------|----------------|---------------------|-------------------|------|--------|
| Sec 1 B. Floor H210294-01 | 2-4-21 | 4 | N/A | N/A | 274.4 |
| Sec 2 B. Floor H210294-02 | 2-4-21 | 4 | N/A | N/A | 1231 |
| Sec 3 B. Floor H210294-03 | 2-4-21 | 4 | N/A | N/A | <10.0 |
| Sec 4 B. Floor H210294-04 | 2-4-21 | 4 | N/A | N/A | 35.32 |
| Sec 5 B. Floor H210294-05 | 2-4-21 | 4 | N/A | N/A | 2352 |
| Sec 6 B. Floor H210294-06 | 2-4-21 | 4 | N/A | N/A | ,<10.0 |
| Sec 7 B. Floor H210294-07 | 2-4-21 | 4 | N/A | N/A | 15.1 |
| Sec 8 B. Floor H210294-08 | 2-4-21 | 4 | N/A | N/A | <10.0 |
| Sec 9 B. Floor H210294-08 | 2-4-21 | 4 | 192 | N/A | N/A |
| Sec 10 B. Floor H210294-09 | 2-4-21 | 4 | 480 | N/A | <10.0 |
| Sec 13 B. Floor H210294-10 | 2-4-21 | 4 | 368 | N/A | <10.0 |
| Sec 13 B. Floor H210294-11 | 2-4-21 | 4 | 576 | N/A | 64.7 |
| Sec 13 B. Floor H210294-13 | 2-4-21 | 4 | 704 | N/A | 273.2 |
| Sec 14 B. Floor H210294-11 | 2-4-21 | 4 | 144 | N/A | <10 |
| Sec 15 B. Floor H210294-12 | 2-4-21 | 4 | 160 | N/A | <10 |
| Sec 17 B. Floor H210061-13 | 2-4-21 | 4 | 208 | N/A | N/A |
| Sec 1 W. Wall H210061-14 | 2-4-21 | 1-4 | 48.0 | N/A | <10 |

Analytical Delineation

| SAMPLE ID | SAMPLE DATE | DEPTH (feet bgs | CHLORIDE mg/Kg | BTEX | TPH |
|----------------------------|----------------|--------------------|-------------------|------|------|
| Sample Field H210153-01 | 1-21-21 | 12 | N/A | N/A | 3806 |

Page 6

Oil Conservation Division

| Incident ID | |
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| District RP | |
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Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

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Title: Environmental Tech SR.

Printed Name: Larry Baker

Signature:Larry BakerDate:2/11/2021email:larry.baker@apachecorp.comTelephone:432-631-6982

Telephone: 432-631-6982

OCD Only

Received by:

Date:

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

| Closure Approved by: | Date: |
|----------------------|--------|
| Printed Name: | Title: |





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USGS Water Resources

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Groundwater levels for the Nation

Search Results -- 1 sites found

site_no list =

• 324724104082301

Minimum number of levels = 1

Save file of selected sites to local disk for future upload

USGS 324724104082301 175.28E.35.42233

Available data for this site Groundwater: Field measurements

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°47'24", Longitude 104°08'23" NAD27

Land-surface elevation 3,659 feet above NGVD29

The depth of the well is 280.00 feet below land surface.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

Table of data

Tab-separated data

Graph of data

Reselect period

USGS 324724104082301 175.28E.35.42233



Breaks in the plot represent a gap of at least one year between field measurements.

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U.S. Department of the Interior | U.S. Geological Survey Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: USGS Water Data Support Team Page Last Modified: 2020-01-02 10:44:41 EST 0.57 0.48 nadww01



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January 13, 2021

BRUCE BAKER APACHE CORP - HOBBS 2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: EAU #47

Enclosed are the results of analyses for samples received by the laboratory on 01/11/21 13:30.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager


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

| Received: | 01/11/2021 | Sampling Date: | 01/08/2021 |
|-------------------|----------------|---------------------|---------------|
| Reported: | 01/13/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: B 1 (H210061-01)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/11/2021 | ND | 2.15 | 107 | 2.00 | 1.92 | |
| Toluene* | <0.050 | 0.050 | 01/11/2021 | ND | 2.13 | 106 | 2.00 | 2.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/11/2021 | ND | 2.08 | 104 | 2.00 | 2.01 | |
| Total Xylenes* | <0.150 | 0.150 | 01/11/2021 | ND | 6.04 | 101 | 6.00 | 2.30 | |
| Total BTEX | <0.300 | 0.300 | 01/11/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.7 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 224 | 112 | 200 | 1.68 | |
| DRO >C10-C28* | 407 | 10.0 | 01/12/2021 | ND | 209 | 104 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 215 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.2 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 107 9 | 42.2-15 | 6 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BAK | RLAND BLVD. | | |
|--------------------------------------|-----------------------------|-----------|----------------|---------------------|---------------|
| | | Fax To: | (575) 393-2432 | | |
| Received: | 01/11/2021 | | | Sampling Date: | 01/08/2021 |
| Reported: | 01/13/2021 | | | Sampling Type: | Soil |
| Project Name: | EAU #47 | | | Sampling Condition: | Cool & Intact |
| Project Number: Project Location: | NRM 1931831123 NOT GIVEN | | | Sample Received By: | Jodi Henson |

Sample ID: B 2 (H210061-02)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.15 | 107 | 2.00 | 1.92 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.13 | 106 | 2.00 | 2.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 2.01 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 6.04 | 101 | 6.00 | 2.30 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.3 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 224 | 112 | 200 | 1.68 | |
| DRO >C10-C28* | 245 | 10.0 | 01/12/2021 | ND | 209 | 104 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 157 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.8 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 103 | % 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 01/11/2021 | Sampling Date: | 01/08/2021 |
|-------------------|----------------|---------------------|---------------|
| Reported: | 01/13/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: B 3 (H210061-03)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.15 | 107 | 2.00 | 1.92 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.13 | 106 | 2.00 | 2.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 2.01 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 6.04 | 101 | 6.00 | 2.30 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.0 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 224 | 112 | 200 | 1.68 | |
| DRO >C10-C28* | 169 | 10.0 | 01/12/2021 | ND | 209 | 104 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 87.9 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.4 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 103 | % 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 01/11/2021 | Sampling Date: | 01/08/2021 |
|-------------------|----------------|---------------------|---------------|
| Reported: | 01/13/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: B 4 (H210061-04)

| BTEX 8021B | mg | 'kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.15 | 107 | 2.00 | 1.92 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.13 | 106 | 2.00 | 2.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 2.01 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 6.04 | 101 | 6.00 | 2.30 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.6 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg, | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 224 | 112 | 200 | 1.68 | |
| DRO >C10-C28* | 342 | 10.0 | 01/12/2021 | ND | 209 | 104 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 175 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.6 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 110 9 | 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 01/11/2021 | Sampling Date: | 01/08/2021 |
|-------------------|----------------|---------------------|---------------|
| Reported: | 01/13/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: B 5 (H210061-05)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.15 | 107 | 2.00 | 1.92 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.13 | 106 | 2.00 | 2.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 2.01 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 6.04 | 101 | 6.00 | 2.30 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.8 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 368 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 224 | 112 | 200 | 1.68 | |
| DRO >C10-C28* | 242 | 10.0 | 01/12/2021 | ND | 209 | 104 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 119 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 80.7 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 89.8 | % 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 01/11/2021 | Sampling Date: | 01/08/2021 |
|-------------------|----------------|---------------------|---------------|
| Reported: | 01/13/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: B 6 (H210061-06)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.15 | 107 | 2.00 | 1.92 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.13 | 106 | 2.00 | 2.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 2.01 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 6.04 | 101 | 6.00 | 2.30 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.2 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 224 | 112 | 200 | 1.68 | |
| DRO >C10-C28* | 170 | 10.0 | 01/12/2021 | ND | 209 | 104 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 78.1 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 80.0 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.5 | % 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 01/11/2021 | Sampling Date: | 01/08/2021 |
|-------------------|----------------|---------------------|---------------|
| Reported: | 01/13/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: B 7 (H210061-07)

| BTEX 8021B | mg | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.15 | 107 | 2.00 | 1.92 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.13 | 106 | 2.00 | 2.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 2.01 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 6.04 | 101 | 6.00 | 2.30 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | ′kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg, | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 224 | 112 | 200 | 1.68 | |
| DRO >C10-C28* | 514 | 10.0 | 01/12/2021 | ND | 209 | 104 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 207 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 117 9 | 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 01/11/2021 | Sampling Date: | 01/08/2021 |
|-------------------|----------------|---------------------|---------------|
| Reported: | 01/13/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: B 8 (H210061-08)

| BTEX 8021B | mg, | /kg | Analyze | ed By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.15 | 107 | 2.00 | 1.92 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.13 | 106 | 2.00 | 2.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 2.01 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 6.04 | 101 | 6.00 | 2.30 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.8 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | ed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 224 | 112 | 200 | 1.68 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2021 | ND | 209 | 104 | 200 | 1.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 90.4 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 88.7 | % 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 01/11/2021 | Sampling Date: | 01/08/2021 |
|-------------------|----------------|---------------------|---------------|
| Reported: | 01/13/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: B 9 (H210061-09)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.15 | 107 | 2.00 | 1.92 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.13 | 106 | 2.00 | 2.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 2.01 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 6.04 | 101 | 6.00 | 2.30 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.7 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 784 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 224 | 112 | 200 | 1.68 | |
| DRO >C10-C28* | 29.0 | 10.0 | 01/12/2021 | ND | 209 | 104 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 10.1 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 96.1 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 95.5 | % 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | APACHE CO | RP - HOBBS | | |
|-------------------|----------------|------------|----------------|---------------------|---------------|
| | | BRUCE BAK | ER | | |
| | | 2350 W. MA | ARLAND BLVD. | | |
| | | HOBBS NM, | 88240 | | |
| | | Fax To: | (575) 393-2432 | | |
| | | | | | |
| Received: | 01/11/2021 | | | Sampling Date: | 01/08/2021 |
| Reported: | 01/13/2021 | | | Sampling Type: | Soil |
| Project Name: | EAU #47 | | | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | | | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | | | |

Sample ID: B 10 (H210061-10)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.15 | 107 | 2.00 | 1.92 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.13 | 106 | 2.00 | 2.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 2.01 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 6.04 | 101 | 6.00 | 2.30 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.6 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 640 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 224 | 112 | 200 | 1.68 | |
| DRO >C10-C28* | 182 | 10.0 | 01/12/2021 | ND | 209 | 104 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 86.7 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.0 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 93.5 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432 01/11/2021 Sampling Date: 01/13/2021

| Received: | 01/11/2021 | Sampling Date: | 01/08/2021 |
|-------------------|----------------|---------------------|---------------|
| Reported: | 01/13/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: B 11 (H210061-11)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.15 | 107 | 2.00 | 1.92 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.13 | 106 | 2.00 | 2.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 2.01 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 6.04 | 101 | 6.00 | 2.30 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.8 | % 73.3-12 | 9 | | | | | | |
| 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 | 01/12/2021 | ND | 400 | 100 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 224 | 112 | 200 | 1.68 | |
| DRO >C10-C28* | 10.3 | 10.0 | 01/12/2021 | ND | 209 | 104 | 200 | 1.10 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.6 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 89.8 | % 42.2-15 | 6 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | APACHE CO | DRP - HOBBS | | |
|-------------------|----------------|-----------|----------------|---------------------|---------------|
| | | BRUCE BAK | (ER | | |
| | | 2350 W. M | ARLAND BLVD. | | |
| | | HOBBS NM | , 88240 | | |
| | | Fax To: | (575) 393-2432 | | |
| | | | | | |
| Received: | 01/11/2021 | | | Sampling Date: | 01/08/2021 |
| Reported: | 01/13/2021 | | | Sampling Type: | Soil |
| Project Name: | EAU #47 | | | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | | | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | | | |

Sample ID: B 12 (H210061-12)

| BTEX 8021B | mg | 'kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.15 | 107 | 2.00 | 1.92 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.13 | 106 | 2.00 | 2.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 2.01 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 6.04 | 101 | 6.00 | 2.30 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.3 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | 'kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 576 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 224 | 112 | 200 | 1.68 | |
| DRO >C10-C28* | 47.8 | 10.0 | 01/12/2021 | ND | 209 | 104 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 16.9 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.7 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.0 | % 42.2-15 | 6 | | | | | | |

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BAK | ARLAND BLVD. | | |
|-------------------|----------------|-----------|----------------|---------------------|---------------|
| | | Fax To: | (575) 393-2432 | | |
| Received: | 01/11/2021 | | | Sampling Date: | 01/08/2021 |
| Reported: | 01/13/2021 | | | Sampling Type: | Soil |
| Project Name: | EAU #47 | | | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | | | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | | | |

Sample ID: B 13 (H210061-13)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.15 | 107 | 2.00 | 1.92 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.13 | 106 | 2.00 | 2.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 2.01 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 6.04 | 101 | 6.00 | 2.30 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.6 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 704 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 224 | 112 | 200 | 1.68 | |
| DRO >C10-C28* | 186 | 10.0 | 01/12/2021 | ND | 209 | 104 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 87.2 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.1 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 97.2 | % 42.2-15 | 6 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | APACHE CO | DRP - HOBBS | | |
|-------------------|----------------|-----------|----------------|---------------------|---------------|
| | | BRUCE BAK | (ER | | |
| | | 2350 W. M | ARLAND BLVD. | | |
| | | HOBBS NM | , 88240 | | |
| | | Fax To: | (575) 393-2432 | | |
| | | | | | |
| Received: | 01/11/2021 | | | Sampling Date: | 01/08/2021 |
| Reported: | 01/13/2021 | | | Sampling Type: | Soil |
| Project Name: | EAU #47 | | | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | | | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | | | |

Sample ID: B 14 (H210061-14)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.15 | 107 | 2.00 | 1.92 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.13 | 106 | 2.00 | 2.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 2.01 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 6.04 | 101 | 6.00 | 2.30 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 704 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 224 | 112 | 200 | 1.68 | |
| DRO >C10-C28* | 95.1 | 10.0 | 01/12/2021 | ND | 209 | 104 | 200 | 1.10 | |
| EXT DRO >C28-C36 | 39.6 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.1 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.2 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NRM 1931831123

NOT GIVEN

Jodi Henson

Sample Received By:

Analytical Results For:

| | APACHE CO BRUCE BAKI 2350 W. MA HOBBS NM, Fax To: | er Arland Blvd. | | |
|-------------------------------------|---|--------------------|---|-------------------------------------|
| 01/11/2021 01/13/2021 EAU #47 | | | Sampling Date: Sampling Type: Sampling Condition: | 01/08/2021 Soil Cool & Intact |

Sample ID: B 15 (H210061-15)

Received:

Reported:

Project Name:

Project Number:

Project Location:

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.06 | 103 | 2.00 | 3.53 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.00 | 100 | 2.00 | 4.24 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 5.87 | 97.8 | 6.00 | 3.62 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.3 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 736 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 222 | 111 | 200 | 1.01 | QR-03 |
| DRO >C10-C28* | 125 | 10.0 | 01/12/2021 | ND | 217 | 108 | 200 | 1.02 | |
| EXT DRO >C28-C36 | 38.8 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.4 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.8 | % 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BAK | ARLAND BLVD. | | |
|-------------------|----------------|-----------|----------------|---------------------|---------------|
| | | Fax To: | (575) 393-2432 | | |
| Received: | 01/11/2021 | | | Sampling Date: | 01/08/2021 |
| Reported: | 01/13/2021 | | | Sampling Type: | Soil |
| Project Name: | EAU #47 | | | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | | | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | | | |

Sample ID: B 16 (H210061-16)

| BTEX 8021B | mg, | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.06 | 103 | 2.00 | 3.53 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.00 | 100 | 2.00 | 4.24 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 5.87 | 97.8 | 6.00 | 3.62 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | 'kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 480 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 222 | 111 | 200 | 1.01 | |
| DRO >C10-C28* | 23.1 | 10.0 | 01/12/2021 | ND | 217 | 108 | 200 | 1.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.0 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 93.1 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BAK | RLAND BLVD. | | |
|-------------------|----------------|-----------|----------------|---------------------|---------------|
| | | Fax To: | (575) 393-2432 | | |
| Received: | 01/11/2021 | | | Sampling Date: | 01/08/2021 |
| Reported: | 01/13/2021 | | | Sampling Type: | Soil |
| Project Name: | EAU #47 | | | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | | | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | | | |

Sample ID: B 17 (H210061-17)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.06 | 103 | 2.00 | 3.53 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.00 | 100 | 2.00 | 4.24 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 5.87 | 97.8 | 6.00 | 3.62 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.7 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1060 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 222 | 111 | 200 | 1.01 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2021 | ND | 217 | 108 | 200 | 1.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.1 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 91.4 | % 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BA | IARLAND BLVD. | | |
|-------------------|----------------|----------|----------------|---------------------|---------------|
| | | Fax To: | (575) 393-2432 | 2 | |
| Received: | 01/11/2021 | | | Sampling Date: | 01/08/2021 |
| Reported: | 01/13/2021 | | | Sampling Type: | Soil |
| Project Name: | EAU #47 | | | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | | | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | | | |

Sample ID: B 18 (H210061-18)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.06 | 103 | 2.00 | 3.53 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.00 | 100 | 2.00 | 4.24 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 5.87 | 97.8 | 6.00 | 3.62 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.8 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 496 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 222 | 111 | 200 | 1.01 | |
| DRO >C10-C28* | 18.8 | 10.0 | 01/12/2021 | ND | 217 | 108 | 200 | 1.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 89.4 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 87.9 | % 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



NRM 1931831123

NOT GIVEN

Sample Received By:

01/08/2021

Cool & Intact

Jodi Henson

Soil

Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432 01/11/2021 Sampling Date: 01/13/2021 EAU #47 Sampling Condition:

Sample ID: B 19 (H210061-19)

Received:

Reported:

Project Name:

Project Number:

Project Location:

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.06 | 103 | 2.00 | 3.53 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.00 | 100 | 2.00 | 4.24 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 5.87 | 97.8 | 6.00 | 3.62 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 101 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 222 | 111 | 200 | 1.01 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2021 | ND | 217 | 108 | 200 | 1.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 101 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 96.4 | % 42.2-15 | 6 | | | | | | |

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



NRM 1931831123

NOT GIVEN

Jodi Henson

Sample Received By:

Analytical Results For:

| | APACHE CORP - | HOBBS | |
|------------|---------------|---------------------|---------------|
| | BRUCE BAKER | | |
| | 2350 W. MARLA | ND BLVD. | |
| | HOBBS NM, 882 | 40 | |
| | Fax To: (57 | 25) 393-2432 | |
| 01/11/2021 | | Sampling Date: | 01/08/2021 |
| 01/13/2021 | | Sampling Type: | Soil |
| EAU #47 | | Sampling Condition: | Cool & Intact |

Sample ID: B 20 (H210061-20)

Received:

Reported:

Project Name:

Project Number:

Project Location:

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.06 | 103 | 2.00 | 3.53 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.00 | 100 | 2.00 | 4.24 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 5.87 | 97.8 | 6.00 | 3.62 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 368 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 222 | 111 | 200 | 1.01 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2021 | ND | 217 | 108 | 200 | 1.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.6 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 91.6 | % 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NOT GIVEN

Analytical Results For:

| | | APACHE C | orp - Hobbs | | | | | |
|-----------------|----------------|-----------------------|----------------|---------------------|---------------|--|--|--|
| | | BRUCE BAKER | | | | | | |
| | | 2350 W. MARLAND BLVD. | | | | | | |
| | | HOBBS NM | 1, 88240 | | | | | |
| | | Fax To: | (575) 393-2432 | 2 | | | | |
| | | | | | | | | |
| Received: | 01/11/2021 | | | Sampling Date: | 01/08/2021 | | | |
| Reported: | 01/13/2021 | | | Sampling Type: | Soil | | | |
| Project Name: | EAU #47 | | | Sampling Condition: | Cool & Intact | | | |
| Project Number: | NRM 1931831123 | | | Sample Received By: | Jodi Henson | | | |

Sample ID: B 21 (H210061-21)

Project Location:

| BTEX 8021B | mg, | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.06 | 103 | 2.00 | 3.53 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.00 | 100 | 2.00 | 4.24 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 5.87 | 97.8 | 6.00 | 3.62 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.6 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | ′kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 222 | 111 | 200 | 1.01 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2021 | ND | 217 | 108 | 200 | 1.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.2 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.8 | % 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NRM 1931831123

NOT GIVEN

Sample Received By:

01/08/2021

Cool & Intact

Jodi Henson

Soil

Analytical Results For:

| | APACHE CORP - HOB | BS |
|------------|-------------------|---------------------|
| | BRUCE BAKER | |
| | 2350 W. MARLAND B | LVD. |
| | HOBBS NM, 88240 | |
| | Fax To: (575) 39 | 3-2432 |
| 01/11/2021 | | Sampling Date: |
| 01/13/2021 | | Sampling Type: |
| EAU #47 | | Sampling Condition: |

Sample ID: B 22 (H210061-22)

Received:

Reported:

Project Name:

Project Number:

Project Location:

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.06 | 103 | 2.00 | 3.53 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.00 | 100 | 2.00 | 4.24 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 5.87 | 97.8 | 6.00 | 3.62 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.0 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 222 | 111 | 200 | 1.01 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2021 | ND | 217 | 108 | 200 | 1.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.0 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 90.9 | % 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BAK | RLAND BLVD. | | |
|-------------------|----------------|-----------|----------------|---------------------|---------------|
| | | Fax To: | (575) 393-2432 | | |
| Received: | 01/11/2021 | | | Sampling Date: | 01/08/2021 |
| Reported: | 01/13/2021 | | | Sampling Type: | Soil |
| Project Name: | EAU #47 | | | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | | | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | | | |

Sample ID: B 23 (H210061-23)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.06 | 103 | 2.00 | 3.53 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.00 | 100 | 2.00 | 4.24 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 5.87 | 97.8 | 6.00 | 3.62 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.7 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 222 | 111 | 200 | 1.01 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2021 | ND | 217 | 108 | 200 | 1.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.2 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 94.7 | % 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



NOT GIVEN

Analytical Results For:

| | | APACHE C | ORP - HOBBS | | |
|-----------------|----------------|-----------|----------------|---------------------|---------------|
| | | BRUCE BA | KER | | |
| | | 2350 W. № | | | |
| | | HOBBS NN | 1, 88240 | | |
| | | Fax To: | (575) 393-2432 | 2 | |
| | | | | | |
| Received: | 01/11/2021 | | | Sampling Date: | 01/08/2021 |
| Reported: | 01/13/2021 | | | Sampling Type: | Soil |
| Project Name: | EAU #47 | | | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | | | Sample Received By: | Jodi Henson |

Sample ID: B 24 (H210061-24)

Project Location:

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.06 | 103 | 2.00 | 3.53 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.00 | 100 | 2.00 | 4.24 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 5.87 | 97.8 | 6.00 | 3.62 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.8 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 222 | 111 | 200 | 1.01 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2021 | ND | 217 | 108 | 200 | 1.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.3 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 85.6 | % 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



NRM 1931831123

NOT GIVEN

Jodi Henson

Sample Received By:

Analytical Results For:

| | | APACHE C | orp - Hobbs | | |
|---|------------|-----------|---------------|---------------------|---------------|
| | | BRUCE BA | KER | | |
| | | 2350 W. № | 1arland BLVD. | | |
| | | HOBBS NM | 1, 88240 | | |
| | | Fax To: | (575) 393-243 | 2 | |
| | 01/11/2021 | | | Sampling Date: | 01/08/2021 |
| | 01/13/2021 | | | Sampling Type: | Soil |
| : | EAU #47 | | | Sampling Condition: | Cool & Intact |
| | | | | | |

Sample ID: B 25 (H210061-25)

Received:

Reported:

Project Name:

Project Number:

Project Location:

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.06 | 103 | 2.00 | 3.53 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.00 | 100 | 2.00 | 4.24 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 5.87 | 97.8 | 6.00 | 3.62 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.6 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 222 | 111 | 200 | 1.01 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2021 | ND | 217 | 108 | 200 | 1.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.7 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.6 | % 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



NRM 1931831123

NOT GIVEN

Jodi Henson

Sample Received By:

Analytical Results For:

| | APACHE CORP | - HOBBS | |
|------------|--------------|---------------------|---------------|
| | BRUCE BAKER | | |
| | 2350 W. MARL | AND BLVD. | |
| | HOBBS NM, 88 | 240 | |
| | Fax To: (5 | 575) 393-2432 | |
| 01/11/2021 | | Sampling Date: | 01/08/2021 |
| 01/13/2021 | | Sampling Type: | Soil |
| EAU #47 | | Sampling Condition: | Cool & Intact |

Sample ID: B 26 (H210061-26)

Received:

Reported:

Project Name:

Project Number:

Project Location:

| BTEX 8021B | mg, | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.06 | 103 | 2.00 | 3.53 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.00 | 100 | 2.00 | 4.24 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 5.87 | 97.8 | 6.00 | 3.62 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.2 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | 'kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 368 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 222 | 111 | 200 | 1.01 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2021 | ND | 217 | 108 | 200 | 1.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 81.7 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 78.8 | % 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



NOT GIVEN

Analytical Results For:

| | | APACHE CO | orp - Hobbs | | | | | |
|-----------------|-----------------|-----------------------|----------------|---------------------|---------------|--|--|--|
| | | BRUCE BAI | | | | | | |
| | | 2350 W. MARLAND BLVD. | | | | | | |
| | HOBBS NM, 88240 | | | | | | | |
| | | Fax To: | (575) 393-2432 | <u>)</u> | | | | |
| | | | | | | | | |
| Received: | 01/11/2021 | | | Sampling Date: | 01/08/2021 | | | |
| Reported: | 01/13/2021 | | | Sampling Type: | Soil | | | |
| Project Name: | EAU #47 | | | Sampling Condition: | Cool & Intact | | | |
| Project Number: | NRM 1931831123 | | | Sample Received By: | Jodi Henson | | | |

Sample ID: W 3 (H210061-27)

Project Location:

| BTEX 8021B | mg, | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.06 | 103 | 2.00 | 3.53 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.00 | 100 | 2.00 | 4.24 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 5.87 | 97.8 | 6.00 | 3.62 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.8 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | ′kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 222 | 111 | 200 | 1.01 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2021 | ND | 217 | 108 | 200 | 1.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 82.6 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 79.3 | % 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 01/11/2021 | Sampling Date: | 01/08/2021 |
|-------------------|----------------|---------------------|---------------|
| Reported: | 01/13/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: W 1 (H210061-28)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.06 | 103 | 2.00 | 3.53 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.00 | 100 | 2.00 | 4.24 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 5.87 | 97.8 | 6.00 | 3.62 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.6 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 222 | 111 | 200 | 1.01 | |
| DRO >C10-C28* | 167 | 10.0 | 01/12/2021 | ND | 217 | 108 | 200 | 1.02 | |
| EXT DRO >C28-C36 | 97.8 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.3 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 103 | % 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432 01/11/2021 Sampling Date:

| Received: | 01/11/2021 | Sampling Date: | 01/08/2021 |
|-------------------|----------------|---------------------|---------------|
| Reported: | 01/13/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: W 2 (H210061-29)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.06 | 103 | 2.00 | 3.53 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.00 | 100 | 2.00 | 4.24 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 5.87 | 97.8 | 6.00 | 3.62 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.1 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 222 | 111 | 200 | 1.01 | |
| DRO >C10-C28* | 10.6 | 10.0 | 01/12/2021 | ND | 217 | 108 | 200 | 1.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.3 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.1 | % 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 01/11/2021 | Sampling Date: | 01/08/2021 |
|-------------------|----------------|---------------------|---------------|
| Reported: | 01/13/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: W 4 (H210061-30)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.06 | 103 | 2.00 | 3.53 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.00 | 100 | 2.00 | 4.24 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 5.87 | 97.8 | 6.00 | 3.62 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.0 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 222 | 111 | 200 | 1.01 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2021 | ND | 217 | 108 | 200 | 1.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 79.3 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 78.0 | % 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-2432 01/11/2021 Sampling Date:

| Received: | 01/11/2021 | Sampling Date: | 01/08/2021 |
|-------------------|----------------|---------------------|---------------|
| Reported: | 01/13/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | Sample Received By: | Jodi Henson |
| Project Location: | NOT GIVEN | | |

Sample ID: W 5 (H210061-31)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.06 | 103 | 2.00 | 3.53 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.00 | 100 | 2.00 | 4.24 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 5.87 | 97.8 | 6.00 | 3.62 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.8 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | 'kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 01/12/2021 | ND | 400 | 100 | 400 | 3.92 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 222 | 111 | 200 | 1.01 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2021 | ND | 217 | 108 | 200 | 1.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.1 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 91.5 | % 42.2-15 | 6 | | | | | | |

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NOT GIVEN

Analytical Results For:

| | | BRUCE BAI | ARLAND BLVD. | 2 | |
|-----------------|----------------|-----------|--------------|---------------------|---------------|
| Received: | 01/11/2021 | | | Sampling Date: | 01/08/2021 |
| Reported: | 01/13/2021 | | | Sampling Type: | Soil |
| Project Name: | EAU #47 | | | Sampling Condition: | Cool & Intact |
| Project Number: | NRM 1931831123 | | | Sample Received By: | Jodi Henson |

Sample ID: W 6 (H210061-32)

Project Location:

| BTEX 8021B | mg/ | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.08 | 104 | 2.00 | 3.03 | |
| Toluene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.06 | 103 | 2.00 | 3.53 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/12/2021 | ND | 2.00 | 100 | 2.00 | 4.24 | |
| Total Xylenes* | <0.150 | 0.150 | 01/12/2021 | ND | 5.87 | 97.8 | 6.00 | 3.62 | |
| Total BTEX | <0.300 | 0.300 | 01/12/2021 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 100 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 01/12/2021 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/12/2021 | ND | 222 | 111 | 200 | 1.01 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/12/2021 | ND | 217 | 108 | 200 | 1.02 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/12/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.6 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 84.9 | % 42.2-15 | 6 | | | | | | |

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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. |
|-------|---|
| 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 SM4500CI-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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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 client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose site to the services interruptors, loss of profits incurred by client, its subsidiaries, afflictes or successor arising out of or related to the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories

Page 70 of 89

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| Received by O | OCD: 6/15/2023 | 3 4:07:14 PM | |
|---------------|----------------|--------------|--|
| | | | |

| Project Manager: Product & Deck Address: State: City: Address: Phone #: Fax #: Project #: Fax #: Project Name: Fax #: Project Location: EA U # 47 Sampler Name: Sate: Sampler Name: Sate: Sampler Name: Sate: Sample I.D. GROUNDWATER MATRIX PRESERV Sample I.D. GROUNDWATER MATRIX PRESERV Sample I.D. GROUNDWATER MATRIX PRESERV Soil Soil Soil Sample I.D. GROUNDWATER Sample I.D. GROUNDWATER Sample I.D. GROUNDWATER PRESERV Soil Soil OIL SLUDGE OTHER: SAMPLING VASTEX SAMPLING | A CID/BASE: ICE / COOL OTHER : ACID/BASE: ICE / COOL OTHER : DATE DATE |
|--|--|
| and waite | P.O. #: Company: , Attn: Address: City: State: |

J oratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| FORM-000 | Sampler - UPS - E | Delivered By: (Cir | Relinquished By: | Relinquished By: | analyses. All claims including service. In no event shall Caro | - | 81 | 13 | 15 | 14 | 20 | HZ 10010 1 | Lab I.D. |
|----------|-------------------|--------------------|------------------|------------------|---|---|----|----|----|----|----|------------|----------|

| 101 East Marland (575) 393-2326 Company Name: Project Manager: Brue Brue Brue Brue Brue Brue Broject Mame: Project Name: Project Location: Sampler Name: FOR LAB USE ONLY | 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 :: Grue Balle :: Grue Balle :: Grue Balle :: Fax #: Project Owner: : State Matrix | BILL TO P.O. #: Company: Address: Address: City: State: Zip: Phone #: Fax #: PRESERV SAMPLING | TTPH ANALYSIS |
|---|--|--|--|
| FOR LAB USE ONLY Lab I.D. Sample I.D. | G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER | OTHER : ACID/BASE: ICE / COOL OTHER : | - (1 - BTE+ |
| 12 13 14 14 15 14 15 15 15 15 15 15 15 15 15 15 15 15 15 | and client's exclusive remedy for any claim arising whether based in contra | and or fort, shall be limited to the amount paid | 38 1 1 1:40 1 1 1:41 1 1 1:42 1 1 1:48 1 1 1:48 1 1 1:48 1 1 1:48 1 1 1:48 1 1 1:48 1 1 1:48 1 1 1:48 1 1 1:48 1 1 1:48 1 1 1:49 1 1 1:40 1 1 1:40 1 1 1:40 1 1 1:40 1 1 1:41 1 1 1:42 1 1 1:43 1 1 1:40 1 1 1:41 1 1 1:42 1 1 1:43 1 1 1:44 1 1 1:43 1 1 1:44 1 1 1:45 1 1 1:46 1 1 1:47 1 1 1:48 < |
| PLEASE NOTE: Liability and Damages. Cardina's liability pLEASE NOTE: Liability and Damages. Cardina's liability analyses. All claims including those for negligence and ar | 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 application and any other cause whatsoever shall be deemed valved unless made in writing and received by Cardinal within 30 days after completion of the applications including these for negligence and any other cause whatsoever shall be deemed valved unless made in writing and received by Cardinal within 30 days after completion of the applications. Including these for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client. Its subsidiaries, and the application of the application | ract or tort, shall be limited to the amount paid the and received by Cardinal within 30 days after or and the second state of | able |
| service. In no event shall Cardinal be liable for incrementary affiliates or successors arising out of or related to the perfu Relinquished By: Relinquished By: | Time: | Received By: Received By: Received By: Received By: | □ Yes □ No Add'l P amailed. Please provide Ema |
| Delivered By: (Circle One) | Observed Temp. °C 5.6 Sample Condition Cool Intact Corrected Temp. °C | CHECKED BY: | Turnaround Time: Standard Manual Bacteria (only) Sample Conduction Rush Cool Intact Observed Temp. Thermometer ID #97 #//3 Yes Yes Correction Factor 0.4% Nc No Corrected Temp. |

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



| Page | e 72 of 89 |
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: HPCC M+ | | BILL IO | |
|---|---|---|---|
| Project Manager: Bluck | baker | P.O. #: | |
| | | Company: | |
| city: Hables | State://W Zip:88240 | Attn: | |
| Phone #: | Fax #: | Address: | |
| Project #: | Project Owner: | City: | |
| Project Name: | | State: Zip: | |
| Project Location: SA W | 2174 | Phone #: | |
| Sampler Name: Sect | hele | Fax #: | 2/7 |
| FOR LAB USE ONLY | MATRIX | PRESERV. SAMPLING | P |
| њ I.D. | | UDGE HER : ID/BASE: E / COOL HER : | CI BTEX 9XTT |
| H210061 | # CC GRO | OTH ACIE | 1 |
| 21 521 | | 1 1/2 Sapru | |
| 23 623 | 0 1 | 1 3.00 | |
| - | C / / | 1 3:26 | |
| | C / / | 202 | |
| 26 134 | | M <q12< td=""><td></td></q12<> | |
| c.W.13 | | | |
| LEASE NOTE: Liability and Damages. Cardinal's liabili nalyses. All claims including those for negligence and a perice. In no event shall Cardinal be and to be for includent attraction or procession action on the for protocol to the new attraction. | ty and client's exclusive remedy for an any other cause whatsoever shall be d for consequental damages, including | y claim arising whether based in contract or tort, shall be limited to the amount paid by the cli earned waived unless made in writing and received by Cardinal within 30 days after completi without imitation, business interruptions, loss of use, or loss of profits incurred by cleant or vertical recoveries or a showhark serve claim is based. | y the client for the molecule model of the applicable molecule m molecule molecule m |
| Relinquished By: | Date://-2/ Time:/2/ | - | Verbal Result: Ves No Add'l Phone #: All Results are emailed. Please provide Email address: |
| Relinquished By: | Date: Received By: Time: | REM | REMARKS: |
| (Circle O | 5.0 Sample Con Cool Inta | CHECKED BY: | e: Standard e Bacteria |
| Sampler - UPS - Bus - Other: FORM-006 R 3.0 | Corrected Temp. °C | No WA Correc | Correction Factor +0.4 °C |
| | + Cardinal cannot accept verbal c | hanges. Please email changes t | Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com |

Received by OCD: 6/15/2023 4:07:14 PM
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

| (575) 393-2326 FAX (575) 393-2476 | BII 10 | ANALYSIS REQUEST |
|---|---|--------------------------|
| A | P.O. #: | |
| Project Manager: BRUCE DIFICT | Company: ApAche | |
| ess. State: | Zip: Attn: | |
| Fax #: | Address: | |
| 1621 531123 | City: | |
| the rivid | State: Zip: | |
| Project Name: CVPVI + 1 | Phone #: | |
| Project Location: The Test Int | | |
| Sampler Name: JOC CLUCSTOVI | ESERV. SAMPLING | |
| FOR LAB USE ONLY | ERS ATER FER | ٢/ |
| Lab I.D. Sample I.D. | (G)RAB OR (# CONTAINE GROUNDWA WASTEWAT SOIL OIL SLUDGE OTHER : ACID/BASE ICE / COOL OTHER : | |
| 28 WI | | 4 |
| KY W2 | 1 × 1 × 1 | |
| 20 14 | 1 X X | × |
| an w c | | |
| | | |
| PLEASE NOTE: Liability and Damages. Cardinate liability and client's exclusive remedy fo analyses. All claims including those for negligence and any other cause whitsevere shall include | PLEASE NOTE: Liability and Damages. Cardinal's Bability and client's exclusive remedy for any claim arising whether based in contract or tort, shell be limited to the amount head by the client for the applicable pLEASE NOTE: Liability and Damages. Cardinal's Bability and client's exclusive termedy for any claim arising whether based in willing and received by Cardinal within 30 was also completed on the applicable analyses. All claims including those for repliquence and any other cause whitsperent shall be deemed waived unless made in willing and resolved by Cardinal within 30 was also completed on the applicable analyses. All claims including those for repliquence and any other cause whitsperent shall be deemed waived unless instrumptions, loss of use of profits incurred by client, its subsidialities. | |
| Relinquished By: | | Yes 🗆 No Add'l Fax #: |
| Relinquished By: Date: Time: | Received | whenk 2441 o Yorhas. com |
| Delivered By: (Circle One) 5:60 | Cool Intack Pryes Pres | |
| Sampler - UPS - Bus - Other: | #112 No No V . | |
| + Cardinal cannot accept verbal changes. Please fax written changes to 505-333-44/0 | ase fax written changes to 505-333-44 / o | |



February 08, 2021

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

RE: EAU #47

Enclosed are the results of analyses for samples received by the laboratory on 02/05/21 10:55.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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,

Celecz D. Keine

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: | 02/05/2021 | Sampling Date: | 02/04/2021 |
|-------------------|---------------|---------------------|----------------|
| Reported: | 02/08/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM1931831123 | Sample Received By: | Tamara Oldaker |
| Project Location: | APACHE | | |

Sample ID: B 1 (H210294-01)

| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/05/2021 | ND | 215 | 108 | 200 | 8.28 | |
| DRO >C10-C28* | 200 | 10.0 | 02/05/2021 | ND | 221 | 110 | 200 | 4.90 | |
| EXT DRO >C28-C36 | 74.4 | 10.0 | 02/05/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 78.8 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 89.9 % | 42.2-15 | 6 | | | | | | |

Sample ID: B 2 (H210294-02)

| TPH 8015M | mg/l | (g | Analyze | d By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/05/2021 | ND | 215 | 108 | 200 | 8.28 | |
| DR0 >C10-C28* | 851 | 10.0 | 02/05/2021 | ND | 221 | 110 | 200 | 4.90 | |
| EXT DRO >C28-C36 | 380 | 10.0 | 02/05/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.3 % | 6 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 113 % | 6 42.2-15 | 6 | | | | | | |

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*=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: | 02/05/2021 | Sampling Date: | 02/04/2021 |
|-------------------|---------------|---------------------|----------------|
| Reported: | 02/08/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM1931831123 | Sample Received By: | Tamara Oldaker |
| Project Location: | APACHE | | |

Sample ID: B 3 (H210294-03)

| TPH 8015M | mg/ | kg | Analyze | d By: MS | | an a | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|--|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/05/2021 | ND | 215 | 108 | 200 | 8.28 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/05/2021 | ND | 221 | 110 | 200 | 4.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/05/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.3 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 82.1 9 | 42.2-15 | 6 | | | | | | |

Sample ID: B 4 (H210294-04)

| TPH 8015M | mg/l | kg | Analyze | d By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/05/2021 | ND | 215 | 108 | 200 | 8.28 | |
| DRO >C10-C28* | 2660 | 10.0 | 02/05/2021 | ND | 221 | 110 | 200 | 4.90 | |
| EXT DRO >C28-C36 | 872 | 10.0 | 02/05/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 72.3 % | 6 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 133 % | 6 42.2-15 | 6 | | | | | | |

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Celley Z. 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: | 02/05/2021 | Sampling Date: | 02/04/2021 |
|-------------------|---------------|---------------------|----------------|
| Reported: | 02/08/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM1931831123 | Sample Received By: | Tamara Oldaker |
| Project Location: | APACHE | | |

Sample ID: B 5 (H210294-05)

| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/05/2021 | ND | 215 | 108 | 200 | 8.28 | |
| DRO >C10-C28* | 1720 | 10.0 | 02/05/2021 | ND | 221 | 110 | 200 | 4.90 | |
| EXT DR0 >C28-C36 | 632 | 10.0 | 02/05/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 75.5 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 141 | % 42.2-15 | 6 | | | | | | |

Sample ID: B 6 (H210294-06)

| TPH 8015M | mg/l | (g | Analyze | d By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/05/2021 | ND | 215 | 108 | 200 | 8.28 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/05/2021 | ND | 221 | 110 | 200 | 4.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/05/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.0 % | 6 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.2 % | 6 42.2-15 | 6 | | | | | | |

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Celleg Di Keine

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: | 02/05/2021 | Sampling Date: | 02/04/2021 |
|-------------------|---------------|---------------------|----------------|
| Reported: | 02/08/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM1931831123 | Sample Received By: | Tamara Oldaker |
| Project Location: | APACHE | | |

Sample ID: B 7 (H210294-07)

| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|--|----------------------------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/05/2021 | ND | 215 | 108 | 200 | 8.28 | |
| DRO >C10-C28* | 15.1 | 10.0 | 02/05/2021 | ND | 221 | 110 | 200 | 4.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/05/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 81.5 | % 44.3-14 | 4 | | | and a second | 89 / 180 - Martin Control (1997) | | |
| Surrogate: 1-Chlorooctadecane | 80.0 | % 42.2-15 | 6 | | | | | | |
| | | | | | | | | | |

Sample ID: B 9 (H210294-08)

| Chloride, SM4500CI-B | 500CI-B mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|---------------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 02/05/2021 | ND | 416 | 104 | 400 | 0.00 | |

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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: | 02/05/2021 | Sampling Date: | 02/04/2021 |
|-------------------|---------------|---------------------|----------------|
| Reported: | 02/08/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM1931831123 | Sample Received By: | Tamara Oldaker |
| Project Location: | APACHE | | |

Sample ID: B 10 (H210294-09)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 480 | 16.0 | 02/05/2021 | ND | 416 | 104 | 400 | 3.77 | QM-07 |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | - | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/05/2021 | ND | 215 | 108 | 200 | 8.28 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/05/2021 | ND | 221 | 110 | 200 | 4.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/05/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.3 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 86.8 | % 42.2-15 | 6 | | | | | | |

Sample ID: B 13 (H210294-10)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | territe and the second seco | | | | |
|-------------------------------|--------|-----------------|------------|-------------------------------------|---|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 368 | 16.0 | 02/05/2021 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/05/2021 | ND | 215 | 108 | 200 | 8.28 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/05/2021 | ND | 221 | 110 | 200 | 4.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/05/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 87.8 | % 44.3-14 | 4 | and a second contract of the second | | | | | |
| Surrogate: 1-Chlorooctadecane | 82.9 | % 42.2-15 | 6 | | | | | | |

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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: | 02/05/2021 | Sampling Date: | 02/04/2021 |
|-------------------|---------------|---------------------|----------------|
| Reported: | 02/08/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM1931831123 | Sample Received By: | Tamara Oldaker |
| Project Location: | APACHE | | |

Sample ID: B 14 (H210294-11)

| Chloride, SM4500Cl-B | mg, | 'kg | Analyze | d By: GM | | | A. (1) (10) (10) (10) (10) (10) (10) (10) | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|---|---|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 02/05/2021 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | kg | Analyze | d By: MS | | an a sua an | Sanda dala di manda manda da sa da sa | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/05/2021 | ND | 215 | 108 | 200 | 8.28 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/05/2021 | ND | 221 | 110 | 200 | 4.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/05/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 78.1 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 75.1 | % 42.2-15 | 6 | | | | | | |

Sample ID: B 15 (H210294-12)

| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 02/05/2021 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | فرحم والمراجب والمراجع المراجع المراجع |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/05/2021 | ND | 215 | 108 | 200 | 8.28 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/05/2021 | ND | 221 | 110 | 200 | 4.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/05/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 86.2 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 81.0 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

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: | 02/05/2021 | Sampling Date: | 02/04/2021 |
|-------------------|---------------|---------------------|----------------|
| Reported: | 02/08/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NRM1931831123 | Sample Received By: | Tamara Oldaker |
| Project Location: | APACHE | | |

Sample ID: B 17 (H210294-13)

| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | and a subscription of the |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|---|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 02/05/2021 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: W 1 (H210294-14)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
|-------------------------------|--------|-----------------|------------|--|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 02/05/2021 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | - |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/05/2021 | ND | 215 | 108 | 200 | 8.28 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/05/2021 | ND | 221 | 110 | 200 | 4.90 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/05/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 88.0 | % 44.3-14 | 4 | an a | | | | | |
| Surrogate: 1-Chlorooctadecane | 83.8 | % 42.2-15 | 6 | | | | | | |

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Celleg D. Keene

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 6/15/2023 4:07:14 PM



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

Notes and Definitions

| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
|-------|--|
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C |
| | Samples reported on an as received basis (wet) unless otherwise noted on report |

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Celley D. Keena

Celey D. Keene, Lab Director/Quality Manager



Released to Imaging: 11/27/2023 10:49:41 AM

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January 22, 2021

BRUCE BAKER APACHE CORP - HOBBS 2350 W. MARLAND BLVD.

RE: EAU #47

HOBBS, NM 88240

Enclosed are the results of analyses for samples received by the laboratory on 01/22/21 8:45.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

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: | 01/22/2021 | Sampling Date: | 01/21/2021 |
|-------------------|------------|---------------------|----------------|
| Reported: | 01/22/2021 | Sampling Type: | Soil |
| Project Name: | EAU #47 | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NOT GIVEN | | |

Sample ID: FIELD SAMPLE @ 12 (H210153-01)

| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | S-04 |
|-------------------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/22/2021 | ND | 188 | 94.1 | 200 | 8.01 | |
| DRO >C10-C28* | 2950 | 10.0 | 01/22/2021 | ND | 189 | 94.6 | 200 | 5.38 | |
| EXT DRO >C28-C36 | 856 | 10.0 | 01/22/2021 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 78.5 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 314 % | 42.2-15 | 6 | | | | | | |

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*=Accredited Analyte

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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|--|---|--|--|-------------------------------|---|--------------|
| service. In no event shall Cardinal be labels for incidential or consequential damages. Including Without Subset upon any of the above stated reasons or otherwise. No Add"I Phone #: antifiates or successors asing out for related to the performance of services hearander by Cardinal. regardless of whether such claims to based upon any of the above stated reasons or otherwise. No Add"I Phone #: Relinquished By: Date: Parts: Received By: Fax Result: Yes No Add"I Fax #: Relinquished By: Date: Date: Received By: Received By: Fax Result: Yes No Add"I Fax #: Delivered By: Circle One) Time: Sample Condition CHECKED BY: Remarks: Remarks: Sampler - UPS - Bus - Other: - 2,4 2, #/13 Hos No No No Add" | PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim unising whether based in contract or fort, shall be initiad to the amount paid by the client for the applicable analyses. All claims including those for negligence and any other cause whatcover is table to enser the aveing and received by Cardinal whith 30 days after completion of the applicable incurred by client, its subsidiaries. | # CONTAINERS GROUNDWATER WASTEWATER OIL OIL SLUDGE OTHER : ACID/BASE: ICD/ COOL OTHER : | State: LIP: Phone #: Fax #: PRESERVI SAMPLING | Company: Address: City: | P.O. #: ANALYSIS REQUEST | S |

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District IV

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

CONDITIONS

| Operator: | OGRID: |
|-------------------------|---|
| APACHE CORPORATION | 873 |
| 303 Veterans Airpark Ln | Action Number: |
| Midland, TX 79705 | 228923 |
| | Action Type: |
| | [C-141] Release Corrective Action (C-141) |

CONDITIONS

Created By Condition

We have received your closure report and final C-141 for Incident #NRM1931831123 EMPIRE ABO UNIT #047, thank you. This closure is approved. 11/27/2023 rhamlet

CONDITIONS

Action 228923

Condition Date