



**APACHE CORPORATION
EAST BLINEBRY DRINKARD UNIT (EBDU) CTB
CLOSURE REPORT**

**RELEASE DATE: 10/12/2019
CASE NO. 1RP-5789
INCIDENT NUMBER: NRM1933741261
U/L P, SECTION 11, TOWNSHIP 21S, RANGE 37E
LEA COUNTY, NEW MEXICO**

February 5, 2021

PREPARED BY:



**#7 Compress Road
Artesia, NM 88210**

February 5, 2021

State of New Mexico Energy Minerals and Natural Resources Department
Oil Conservation Division
C/O Mike Bratcher, Robert Hamlet, Cristina Eads
1625 N. French Drive
Hobbs, NM 88240

Apache Corporation
C/O Bruce Baker
2350 W. Marland Blvd
Hobbs, NM 88240

RE: East Blinebry Drinkard Unit (EBDU) CTB
API No. 30-015-39406
U/L P, Section 11, Township 21S, Range 37E

To Whom it May Concern:

Apache Corporation has retained ESS (Energy Staffing and Services), Environmental & Regulatory Division to address the environmental compliance issues regarding the release detailed herein. Below you will find the site-specific information concerning the delineation and remediation that has taken place at the EBDU CTB.

SITE BACKGROUND

This site is located in Lea County, New Mexico; 4 miles northwest of Eunice, New Mexico. The release occurred on October 12, 2019, when a plugged filter on an air compressor failed. The release occurred off of the edge of the pad south into the pasture area. 3bbls of oil and 73bbls of produced water was released, with 1bbl of oil and 14bbls of produced water recovered by use of vacuum truck. The C141 was submitted to the OCD on October 24, 2019.

GENERAL SITE CHARACTERISTICS

An extended ground water study was conducted and it has been determined that according to the New Mexico State Office of the Engineer and USGS, groundwater is 60' bgs. The closest well to the site with viable groundwater data is labelled CP 01221 POD1. Please find the groundwater data in the Remediation Plan attached herein.

Using the Table I, Closure Criteria for Soils Impacted by a Release dated 8/14/2018, this site falls under the site ranking of 51'-100'bgs. Please see the chart below for the sampling criteria for this release:

| DGW | Constituent | Method | Limit |
|----------|-----------------------|----------------------------------|--------------|
| 51'-100' | Chloride | EPA 300.0 OR SM4500 CLB | 10,000 mg/kg |
| | TPH (GRO + DRO + MRO) | EPA SW-846 METHOD 8015M | 2,500 mg/kg |
| | GRO + DRO | EPA SW-846 METHOD 8015M | 1,000 mg/kg |
| | BTEX | EPA SW-846 METHOD 8021B OR 8260B | 50 mg/kg |
| | Benzene | EPA SW-846 METHOD 8021B OR 8260B | 10 mg/kg |

KARST CHARACTERISTICS

Karst was evaluated from the NMOCD Share-Point for Karst Map Designations in reference to the EBDU CTB. Based on the site observations with the extent of the release margins, the potential for Karst formations in this area is of "low potential". With the information provided in this report, Karst is not a factor in determining the site characterization. Closure criteria will remain in the 51'-100' site ranking.

RELEASE INVESTIGATION DATA EVALUATION

On November 25th, 2019 Apache Corporation collected samples utilizing a backhoe to a depth of 2'bgs. Samples were collected and field titrated for chlorides and representative samples were submitted to a commercial laboratory for analysis for chloride, TPH and BTEX. Laboratory analysis indicated that hydrocarbons were above table one standards for releases of 51' to 100' to groundwater. On January 21, 2020 Apache Corporation continued delineation with depth utilizing a backhoe and submitted all samples to a commercial laboratory for analysis of TPH and BTEX.

On January 23, 2020, Apache Corporation submitted a workplan, this workplan was approved by the OCD on April 21, 2020. The remediation plan proposed that the SP1 area would be excavated to 4'bgs, the area of SP2, 3, and 4, would be excavated to a depth of 3'bgs. Once the excavation is complete 5-point composite samples will be collected not to exceed 500 sq. ft and 5-point wall composite samples will be collected not to exceed 200 sq. ft. All of the excavated material (approximately 1400 cubic yards) will be disposed of at a NMOCD approved facility. Once laboratory analysis met table one closure criteria the excavation will be backfilled with clean imported topsoil and contoured to the surrounding area. The disturbed area will then be reseeded in consultation with the private surface landowner. Please find the Remediation Workplan and supporting documents attached to this closure report.

SCOPE OF WORK AND LIMITATIONS

ESS began the remediation on January 4, 2021. A total of 2,024 cubic yards of contaminated soil was excavated and hauled to Sundance Services. On January 11th, 2021 ESS emailed the NMOCD at 2:04pm to request final closure samples. A total of 22 bottom hole composite samples were obtained along with 11 horizontal samples. These samples were jarred and delivered to Cardinal Laboratories for confirmation. All final composite samples were under the closure requirements for this release. Once the confirmation samples were received, backfilling of the site began on February 2, 2021 (closure sample data attached). 2,044 cubic yards of clean native topsoil was then hauled to the site and used to backfill the excavation. The excavated area was then contoured back to its natural state. Seeding will take place at a later date.

On behalf of Apache Corporation and Energy Staffing Services, we respectfully request closure of the release that occurred on the EBDU CTB. If you have any questions or concerns please feel free to contact me at any time, you can find my contact information below.

Sincerely,
Natalie Gladden

Natalie Gladden
Director of Environmental and Regulatory Services
#7 Compress Road
Artesia, NM 88210
Cell: 575-390-6397
Email: natalie@energystaffingllc.com

Attachments:

- Initial C141
- Site Map
- Karst Map
- Remediation Plan
- Closure Sample Map
- Closure Lab Analysis
- Site Photos
- Final C141



District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

| | |
|----------------|---------------|
| Incident ID | NRM1933741261 |
| District RP | 1RP-5789 |
| Facility ID | |
| Application ID | pRM1933741394 |

Release Notification

9GW6R-191024-C-1410

Responsible Party

| | |
|--|-----------------------------------|
| Responsible Party: Apache Corporation | OGRID 873 |
| Contact Name: Bruce Baker | Contact Telephone: (432) 631-6982 |
| Contact email: Larry.Baker@apachecorp.com | Incident # (assigned by OCD) |
| Contact Mailing Address: 2350 W. Marland Blvd, Hobbs, NM 88240 | |

Location of Release Source

Latitude: W 32.489149 Longitude: N -103.129060

(NAD 83 in decimal degrees to 5 decimal places)

| | |
|--|-----------------------------------|
| Site Name: East Blinbry Drinkard Unit (EBDU) CTB | Site Type: Well |
| Date Release Discovered: October 12, 2019 | API # 30-025-39406 (Closest Well) |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| P | 11 | 21S | 37E | LEA |

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: Bryant, James Allan)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

| | | |
|--|--|---|
| <input checked="" type="checkbox"/> Crude Oil | Volume Released (3 Barrels) | Volume Recovered (1 Barrel) |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (73 Barrels) | Volume Recovered (14 Barrels) |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release

Plugged filter on air compressor leading to the release of fluids.

Form C-141
Page 2
Page 6 of 10
Received by OCD: 2/9/2021 7:59:06 AM
Released to Imaging: 6/17/2021 9:43:04 AM


State of New Mexico
Oil Conservation Division

| | |
|----------------|---------------|
| Incident ID | NRM1933741261 |
| District RP | 1RP-5789 |
| Facility ID | |
| Application ID | pRM1933741394 |

| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? Release is greater than 25 barrels. |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Via email given to NM OCD by Jeff Broom, Environmental Technician, Apache Corporation | |

Initial Response




The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

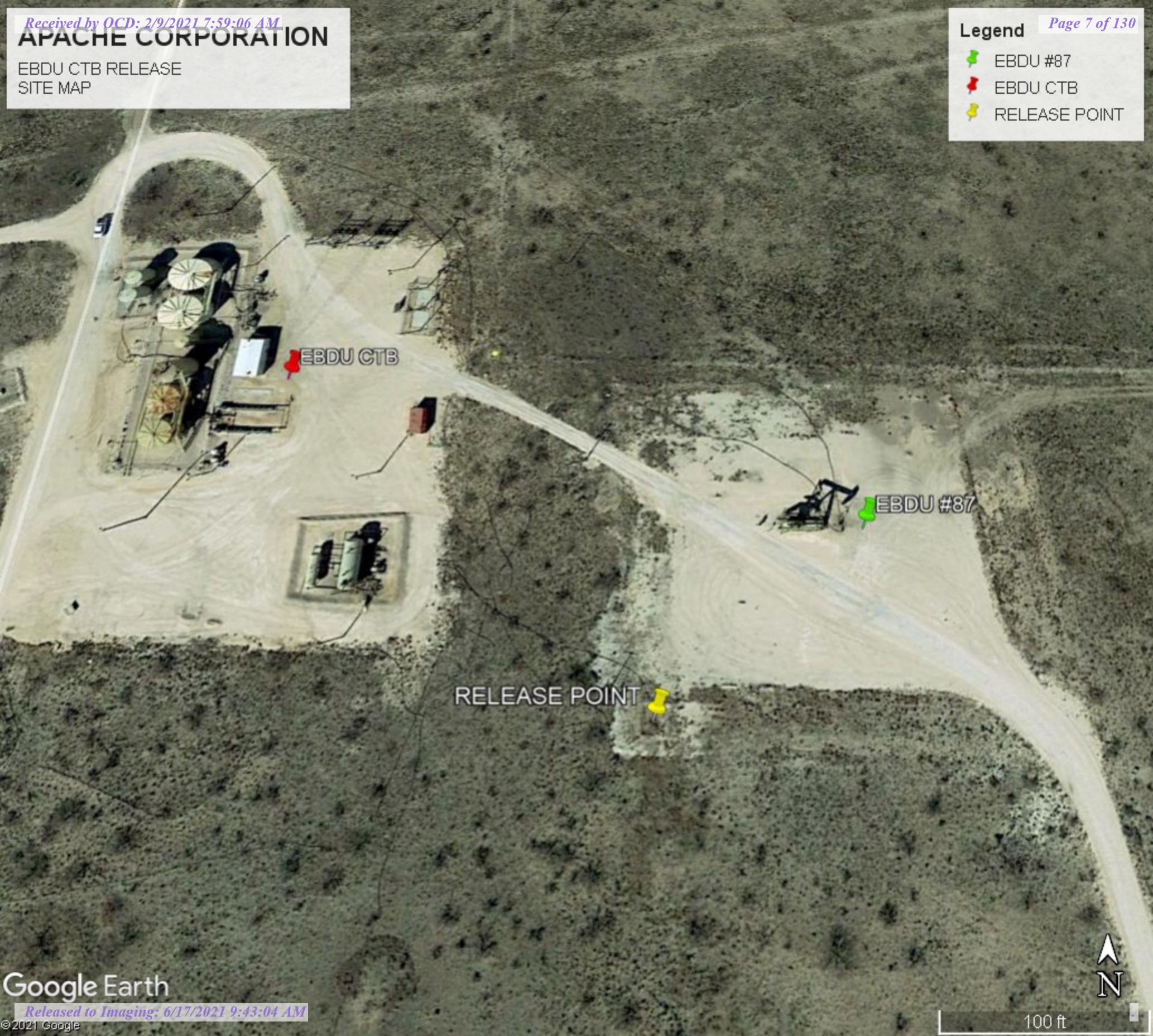
| | |
|--|--|
| <input checked="" type="checkbox"/> The source of the release has been stopped. | |
| <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. | |
| <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. | |
| <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. | |
| If all the actions described above have <u>not</u> been undertaken, explain why: | |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | |
| Printed Name: <u>Jeff Broom</u> | Title: <u>Environmental Technician</u> |
| Signature: <u></u> | Date: <u>10/24/2019</u> |
| Email: <u>Jeffrey.Broom@apachecorp.com</u> | Telephone: <u>(432) 664-4677</u> |
| OCD Only | |
| Received by: <u>Ramona Marcus</u> | Date: <u>12/3/2019</u> |

APACHE CORPORATION

EBDU CTB RELEASE
SITE MAP

Legend

-  EBDU #87
-  EBDU CTB
-  RELEASE POINT



APACHE CORPORATION

EBDU CTB RELEASE
KARST MAP

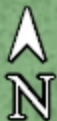
Legend

- EBDU #87
- EBDU CTB
- High
- Low
- Medium
- RELEASE POINT

EBDU CTB

EBDU #87

RELEASE POINT





2350 W Marland Blvd Hobbs, NM 88240

Remediation Plan

January 23, 2020

*Re: EBDU CTB
API# 30-025-39406
Case # 1RP-5789*

Background:

On October 12, 2019 a release occurred due to a plugged filter on an air compressor resulting in the loss of fluid. The release area is located north of Eunice New Mexico (GPS Coordinates 32.489149, -103.129060) in unit letter P section 11 Township 21S Range 37E. A search of NMOSE and USGS wells of record was conducted to determine the depth of groundwater beneath the release. The nearest well of record indicates that the depth of groundwater beneath the release is 60 feet below ground surface.

On November 25, 2019 Apache Corporation collected samples utilizing a backhoe to a depth of 2 feet below ground surface. Samples were collected and field titrated for chlorides and representative samples were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Laboratory analysis indicated that hydrocarbons were above table one standards for releases 51 to 100 feet to groundwater. On January 21, 2020 Apache Corporation continued delineation with depth utilizing a backhoe and submitted all samples to a commercial laboratory for analysis of TPH and BTEX.

Remediation Plan:

Upon review of the vertical data collected Apache Corporation proposes that the area in the vicinity of SP 1 be excavated to a depth of 4 feet below ground surface. The area in the vicinity of SP 2, 3, and 4 be excavated to a depth of 3 feet below ground surface. Once the excavation is complete 5 point bottom composite samples will be collected not to exceed 500 square feet and 5 point wall composite samples will be collected not to exceed 200 square feet. All excavated material (approximately 1400 cubic yards) will be disposed of at a NMOCD approved facility. Once laboratory analysis meet table one closure criteria the excavation will be backfilled with clean imported topsoil and contoured to the surrounding area. The disturbed area will be seeded in consultation with the private surface landowner. Apache Corporation will complete remediation activities within 90 days of NMOCD approval of the plan.

Enclosed: C-141, Groundwater Data, Maps, Sample Data, Laboratory Analysis, Field Notes

Submitted by;

Bruce Baker

Environmental Technician

larry.baker@apachecorp.com

Cell# 432-631-6982

Off# 575-393-7106

District I
1625 N. French Dr., Hobbs, NM 88240
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Energy Minerals and Natural
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Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

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| Facility ID | |
| Application ID | |

Release Notification

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| Contact email: Larry.Baker@apachecorp.com | Incident # (assigned by OCD) |
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Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

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| <input checked="" type="checkbox"/> Crude Oil | Volume Released (3 Barrels) | Volume Recovered (1 Barrel) |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (73 Barrels) | Volume Recovered (14 Barrels) |
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| <input type="checkbox"/> Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release

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State of New Mexico
Oil Conservation Division

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| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? Release is greater than 25 barrels. |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Via email given to NM OCD by Jeff Broom, Environmental Technician, Apache Corporation | |

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

| | |
|--|--|
| <input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. | |
| If all the actions described above have <u>not</u> been undertaken, explain why: | |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | |
| Printed Name: <u>Jeff Broom</u> | Title: <u>Environmental Technician</u> |
| Signature:  | Date: <u>10/24/2019</u> |
| Email: <u>Jeffrey.Broom@apachecorp.com</u> | Telephone: <u>(432) 664-4677</u> |
| <u>OCD Only</u> Received by: _____ Date: _____ | |

Volume Calculation

1,292 cubic feet of soil contamination X 7.48 gallons per cubic foot = 9,664 gallons/42 gallons to a barrel=230 barrels X .33 soil porosity= 76 barrels fluid in soil + 15 barrels recovered = 91 barrels total loss.

State of New Mexico
Oil Conservation Division

| | |
|----------------|--|
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| Application ID | |

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

| | |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? | <u>60</u> (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

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

Printed Name: Bruce BAKER Title: Environmental Tech. SR.
Signature: Bruce Baker Date: 1-23-20
email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

| | |
|----------------|--|
| Incident ID | |
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Remediation Plan

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

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

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

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

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

Printed Name: Bruce Baker Title: Environmental Tech SR.
 Signature: Bruce Baker Date: 1-23-20
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____



New Mexico Office of the State Engineer

Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)
 (quarters are smallest to largest) (NAD83 UTM in meters)

| | | | | | | | |
|-----------------|-------------------|-------------------|------------|------------|------------|----------|----------|
| Well Tag | POD Number | Q64 Q16 Q4 | Sec | Tws | Rng | X | Y |
| CP 01221 POD1 | | 4 4 4 | 11 | 21S | 37E | 676254 | 3588506 |

Driller License: 1711
Driller Name: MARTIN STRAUB

Driller Company: STRAUB CORPORATION

Drill Start Date: 11/07/2013
Log File Date: 12/09/2013
Pump Type:
Casing Size: 4.00

Drill Finish Date: 11/07/2013
PCW Rcv Date:
Pipe Discharge Size:
Depth Well: 75 feet

Plug Date:
Source: Shallow
Estimated Yield:
Depth Water: 60 feet

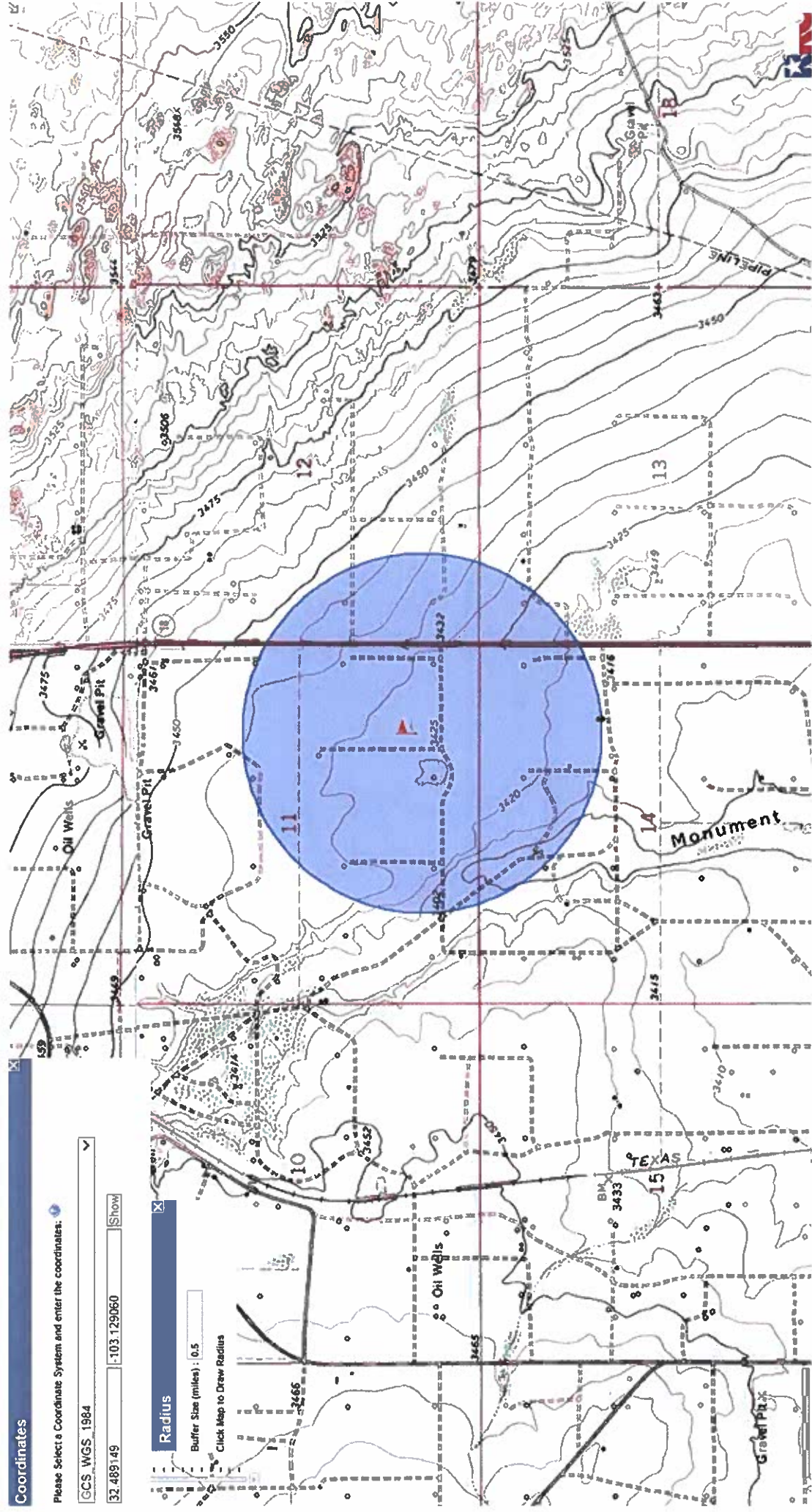
| | | | |
|---------------------------------------|------------|---------------|-------------------------------|
| Water Bearing Stratifications: | Top | Bottom | Description |
| | 60 | 66 | Sandstone/Gravel/Conglomerate |
| | 66 | 75 | Sandstone/Gravel/Conglomerate |

| | | | |
|-----------------------------|------------|---------------|--|
| Casing Perforations: | Top | Bottom | |
| | 50 | 75 | |

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/23/20 10:00 AM

POINT OF DIVERSION SUMMARY





EBDU CTB

| Sample Pt. | Depth | Field CL | Lab CL | Benzene | Toluene | Ethylbenzene | Total Xylenes | Total BTEX | GRO | DRO | EXT DRO | Sample Date | GPS |
|------------|---------|----------|--------|---------|---------|--------------|---------------|------------|-------|-------|---------|-------------|-----------------------|
| 1 | Surface | 1,811 | | | | | | | | | | | 32.489152 -103.129026 |
| 1 | 1' | 861 | 560 | 6.48 | 36.6 | 17.5 | 43.9 | | 852 | 10800 | 1140 | 11/25/2019 | |
| 1 | 2' | | | 6.65 | 39.8 | 20.9 | 90.2 | 158 | 1890 | 5090 | 631 | 1/21/2020 | |
| 1 | 3' | | | 0.134 | 1.08 | 1.36 | 4.72 | 7.29 | 116 | 741 | 78.9 | 1/21/2020 | |
| 1 | 4' | | | <0.050 | <0.050 | <0.050 | <0.050 | <0.300 | <10.0 | 13.9 | <10.0 | 1/21/2020 | |
| 2 | Surface | 3,149 | 2960 | 1.21 | 11.5 | 10.2 | 32.4 | | 340 | 47400 | 8840 | 11/25/2019 | 32.489009 -103.129059 |
| 2 | 2' | 511 | ND | 0.0507 | 0.0471 | 0.108 | 0.468 | | ND | 798 | 167 | 11/25/2019 | |
| 2 | 3' | 209 | | <0.050 | <0.050 | <0.050 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | 1/21/2020 | |
| 2 | 4' | | | <0.050 | <0.050 | <0.050 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | 1/21/2020 | |
| 3 | Surface | 4,842 | 4890 | 1.05 | 16.2 | 12 | 42.6 | | 401 | 32800 | 4840 | 11/25/2019 | 32.48852 -103.129061 |
| 3 | 1' | 742 | | | | | | | | | | | |
| 3 | 2' | 902 | 557 | ND | 10.1 | 7.47 | 23.8 | | 233 | 11200 | 1560 | 11/25/2019 | |
| 3 | 3' | | | <0.050 | <0.050 | <0.050 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | 1/21/2020 | |
| 3 | 4' | | | <0.050 | <0.050 | <0.050 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | 1/21/2020 | |
| 4 | Surface | 3,471 | 3050 | 0.151 | 1.47 | 0.985 | 7.46 | | 99.7 | 38600 | 6900 | 11/25/2019 | 32.488707 -103.129057 |
| 4 | 1' | 1,046 | | | | | | | | | | | |
| 4 | 2' | 599 | 565 | ND | 0.0925 | 0.612 | 1.44 | | 30.8 | 2530 | 350 | 11/25/2019 | |
| 4 | 3' | | | <0.050 | <0.050 | <0.050 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | 1/21/2020 | |
| 4 | 4' | | | <0.050 | <0.050 | <0.050 | <0.050 | <0.300 | <10.0 | <10.0 | <10.0 | 1/21/2020 | |



Analytical Report

Report Summary

Client: Apache Corp.

Samples Received: 12/1/2019

Job Number: 19054-0003

Work Order: P911125

Project Name/Location: EBDU CTB

Report Reviewed By:

A handwritten signature in black ink, appearing to read 'Walter Hinchman', is written over a horizontal line.

Date: 12/3/19

Walter Hinchman, Laboratory Director



Envirotech Inc. certifies the test results meet all requirements of TNI unless footnoted otherwise.
Statement of Data Authenticity: Envirotech, Inc. attests the data reported has not been altered in any way.
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Envirotech, Inc. holds the Utah TNI certification NM009792018-1 for the data reported.
Envirotech, Inc. holds the Texas TNI certification T104704657-19-2 for the data reported.

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| | | | |
|-----------------|------------------|------------|-----------------------------|
| Apache Corp. | Project Name: | EBDU CTB | Reported: 12/03/19 13:43 |
| PO Box 1058 | Project Number: | 19054-0003 | |
| Hobbs NM, 88240 | Project Manager: | Jeff Broom | |

Analytical Report for Samples

| Client Sample ID | Lab Sample ID | Matrix | Sampled | Received | Container |
|------------------|---------------|--------|----------|----------|------------------|
| SP1-Surf | P911125-01A | Soil | 11/25/19 | 12/01/19 | Glass Jar, 4 oz. |
| SP1-1' | P911125-02A | Soil | 11/25/19 | 12/01/19 | Glass Jar, 4 oz. |
| SP2-Surf | P911125-03A | Soil | 11/25/19 | 12/01/19 | Glass Jar, 4 oz. |
| SP2-2' | P911125-04A | Soil | 11/25/19 | 12/01/19 | Glass Jar, 4 oz. |
| SP3-Surf | P911125-05A | Soil | 11/25/19 | 12/01/19 | Glass Jar, 4 oz. |
| SP3-2' | P911125-06A | Soil | 11/25/19 | 12/01/19 | Glass Jar, 4 oz. |
| SP4-Surf | P911125-07A | Soil | 11/25/19 | 12/01/19 | Glass Jar, 4 oz. |
| SP4-2' | P911125-08A | Soil | 11/25/19 | 12/01/19 | Glass Jar, 4 oz. |

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Apache Corp.
PO Box 1058
Hobbs NM, 88240

Project Name: EBDU CTB
Project Number: 19054-0003
Project Manager: Jeff Broom

Reported:
12/03/19 13:43

SP1-1'
P911125-02 (Solid)

| Reporting | | | | | | | | | |
|--|--------|--------|-------|----------|---------|----------|----------|--------------------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | 6.48 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Toluene | 36.6 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Ethylbenzene | 17.5 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| p,m-Xylene | 24.7 | 0.500 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| o-Xylene | 19.2 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Total Xylenes | 43.9 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PHD | | 100 % | | 50-150 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/ORO | | | | | | | | | |
| Diesel Range Organics (C10-C28) | 10800 | 250 | mg/kg | 10 | 1948020 | 11/27/19 | 12/03/19 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 1140 | 500 | mg/kg | 10 | 1948020 | 11/27/19 | 12/03/19 | EPA 8015D | |
| Surrogate: n-Nonane | | 706 % | | 50-200 | 1948020 | 11/27/19 | 12/03/19 | EPA 8015D | S3 |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | 852 | 200 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 93.7 % | | 50-150 | 1949005 | 12/01/19 | 12/02/19 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 560 | 20.0 | mg/kg | 1 | 1949002 | 12/01/19 | 12/02/19 | EPA 300.0-9056A | |

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| | | | |
|-----------------|------------------|------------|-----------------------------|
| Apache Corp. | Project Name: | EBDU CTB | Reported: 12/03/19 13:43 |
| PO Box 1058 | Project Number: | 19054-0003 | |
| Hobbs NM, 88240 | Project Manager: | Jeff Broom | |

**SP2-Surf
P911125-03 (Solid)**

| Reporting | | | | | | | | | |
|--|--------|--------|-------|----------|---------|----------|----------|--------------------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatile Organics by EPA 8021 | | | | | | | | | |
| Benzene | 1.21 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Toluene | 11.5 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Ethylbenzene | 10.2 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| p,m-Xylene | 19.9 | 0.500 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| o-Xylene | 12.5 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Total Xylenes | 32.4 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PHD | | 103 % | | 50-150 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/ORO | | | | | | | | | |
| Diesel Range Organics (C10-C28) | 47400 | 2500 | mg/kg | 100 | 1948020 | 11/27/19 | 12/03/19 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 8840 | 5000 | mg/kg | 100 | 1948020 | 11/27/19 | 12/03/19 | EPA 8015D | |
| Surrogate: n-Nonane | | 547 % | | 50-200 | 1948020 | 11/27/19 | 12/03/19 | EPA 8015D | S3 |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | 340 | 200 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FHD | | 91.8 % | | 50-150 | 1949005 | 12/01/19 | 12/02/19 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 2960 | 40.0 | mg/kg | 2 | 1949002 | 12/01/19 | 12/02/19 | EPA 300.0/9056A | |

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Apache Corp.
PO Box 1058
Hobbs NM, 88240

Project Name: EBDU CTB
Project Number: 19054-0003
Project Manager: Jeff Broom

Reported:
12/03/19 13:43

SP2-2'
P911125-04 (Solid)

Reporting

| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
|---------|--------|-------|-------|----------|-------|----------|----------|--------|-------|
|---------|--------|-------|-------|----------|-------|----------|----------|--------|-------|

Volatile Organics by EPA 8021

| | | | | | | | | | |
|-------------------------------------|--------|--------|-------|--------|---------|----------|----------|-----------|--|
| Benzene | ND | 0.0250 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Toluene | 0.0507 | 0.0250 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Ethylbenzene | 0.0471 | 0.0250 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| p,m-Xylene | 0.108 | 0.0500 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| o-Xylene | 0.360 | 0.0250 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Total Xylenes | 0.468 | 0.0250 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 103 % | | 50-150 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |

Nonhalogenated Organics by 8015 - DRO/ORO

| | | | | | | | | | |
|---------------------------------|-----|-------|-------|--------|---------|----------|----------|-----------|--|
| Diesel Range Organics (C10-C28) | 798 | 25.0 | mg/kg | 1 | 1948020 | 11/27/19 | 12/02/19 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 167 | 50.0 | mg/kg | 1 | 1948020 | 11/27/19 | 12/02/19 | EPA 8015D | |
| Surrogate: n-Nonane | | 114 % | | 50-200 | 1948020 | 11/27/19 | 12/02/19 | EPA 8015D | |

Nonhalogenated Organics by 8015 - GRO

| | | | | | | | | | |
|---|----|--------|-------|--------|---------|----------|----------|-----------|--|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 89.0 % | | 50-150 | 1949005 | 12/01/19 | 12/02/19 | EPA 8015D | |

Anions by 300.0/9056A

| | | | | | | | | | |
|----------|----|------|-------|---|---------|----------|----------|-----------------|--|
| Chloride | ND | 20.0 | mg/kg | 1 | 1949002 | 12/01/19 | 12/02/19 | EPA 300.0/9056A | |
|----------|----|------|-------|---|---------|----------|----------|-----------------|--|

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| | | | |
|-----------------|------------------|------------|----------------|
| Apache Corp. | Project Name: | EBDU CTB | Reported: |
| PO Box 1058 | Project Number: | 19054-0003 | 12/03/19 13:43 |
| Hobbs NM, 88240 | Project Manager: | Jeff Broom | |

**SP3-Surf
P911125-05 (Solid)**

| Reporting | | | | | | | | | |
|-----------|--------|-------|-------|----------|-------|----------|----------|--------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |

Volatile Organics by EPA 8021

| | | | | | | | | | |
|-------------------------------------|------|-------|-------|--------|---------|----------|----------|-----------|--|
| Benzene | 1.05 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Toluene | 16.2 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Ethylbenzene | 12.0 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| p,m-Xylene | 28.9 | 0.500 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| o-Xylene | 13.6 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Total Xylenes | 42.6 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PID | | 102 % | | 50-150 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |

Nonhalogenated Organics by 8015 - DRO/ORO

| | | | | | | | | | |
|---------------------------------|-------|-------|-------|--------|---------|----------|----------|-----------|----|
| Diesel Range Organics (C10-C28) | 32800 | 500 | mg/kg | 20 | 1948020 | 11/27/19 | 12/03/19 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 4840 | 1000 | mg/kg | 20 | 1948020 | 11/27/19 | 12/03/19 | EPA 8015D | |
| Surrogate: n-Nonane | | 748 % | | 50-200 | 1948020 | 11/27/19 | 12/03/19 | EPA 8015D | S3 |

Nonhalogenated Organics by 8015 - GRO

| | | | | | | | | | |
|---|-----|--------|-------|--------|---------|----------|----------|-----------|--|
| Gasoline Range Organics (C6-C10) | 401 | 200 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 89.7 % | | 50-150 | 1949005 | 12/01/19 | 12/02/19 | EPA 8015D | |

Anions by 300.0/9056A

| | | | | | | | | | |
|----------|------|-----|-------|---|---------|----------|----------|-----------------|--|
| Chloride | 4890 | 100 | mg/kg | 5 | 1949002 | 12/01/19 | 12/02/19 | EPA 300.0/9056A | |
|----------|------|-----|-------|---|---------|----------|----------|-----------------|--|

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| | | | |
|-----------------|------------------|------------|----------------|
| Apache Corp. | Project Name: | EBDU CTB | Reported: |
| PO Box 1058 | Project Number: | 19054-0003 | 12/03/19 13:43 |
| Hobbs NM, 88240 | Project Manager: | Jeff Broom | |

SP3-2'**P911125-06 (Solid)**

| Reporting | | | | | | | | | |
|-----------|--------|-------|-------|----------|-------|----------|----------|--------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |

Volatile Organics by EPA 8021

| | | | | | | | | | |
|-------------------------------------|------|-------|-------|--------|---------|----------|----------|-----------|--|
| Benzene | ND | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Toluene | 10.1 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Ethylbenzene | 7.47 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| p,m-Xylene | 14.7 | 0.500 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| o-Xylene | 9.12 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Total Xylenes | 23.8 | 0.250 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PHD | | 101 % | | 50-150 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |

Nonhalogenated Organics by 8015 - DRO/ORO

| | | | | | | | | | |
|---------------------------------|-------|-------|-------|--------|---------|----------|----------|-----------|----|
| Diesel Range Organics (C10-C28) | 11200 | 500 | mg/kg | 20 | 1948020 | 11/27/19 | 12/03/19 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 1560 | 1000 | mg/kg | 20 | 1948020 | 11/27/19 | 12/03/19 | EPA 8015D | |
| Surrogate: n-Nonane | | 345 % | | 50-200 | 1948020 | 11/27/19 | 12/03/19 | EPA 8015D | S3 |

Nonhalogenated Organics by 8015 - GRO

| | | | | | | | | | |
|---|-----|--------|-------|--------|---------|----------|----------|-----------|--|
| Gasoline Range Organics (C6-C10) | 233 | 200 | mg/kg | 10 | 1949005 | 12/01/19 | 12/02/19 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | | 90.6 % | | 50-150 | 1949005 | 12/01/19 | 12/02/19 | EPA 8015D | |

Anions by 300.0/9056A

| | | | | | | | | | |
|----------|-----|------|-------|---|---------|----------|----------|-----------------|--|
| Chloride | 557 | 20.0 | mg/kg | 1 | 1949002 | 12/01/19 | 12/02/19 | EPA 300.0/9056A | |
|----------|-----|------|-------|---|---------|----------|----------|-----------------|--|

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| | | | |
|-----------------|------------------|------------|----------------|
| Apache Corp. | Project Name: | EBDU CTB | Reported: |
| PO Box 1058 | Project Number: | 19054-0003 | 12/03/19 13:43 |
| Hobbs NM, 88240 | Project Manager: | Jeff Broom | |

**SP4-Surf
P911125-07 (Solid)**

| Reporting | | | | | | | | | |
|-----------|--------|-------|-------|----------|-------|----------|----------|--------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |

Volatiles Organics by EPA 8021

| | | | | | | | | | |
|-------------------------------------|-------|--------|-------|--------|---------|----------|----------|-----------|--|
| Benzene | 0.151 | 0.0250 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Toluene | 1.47 | 0.0250 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Ethylbenzene | 0.985 | 0.0250 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| p,m-Xylene | 2.56 | 0.0500 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| o-Xylene | 4.90 | 0.0250 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Total Xylenes | 7.46 | 0.0250 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Surrogate: 4-Bromochlorobenzene-PHD | | 115 % | | 50-150 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |

Nonhalogenated Organics by 8015 - DRO/ORO

| | | | | | | | | | |
|---------------------------------|-------|-------|-------|--------|---------|----------|----------|-----------|----|
| Diesel Range Organics (C10-C28) | 38600 | 500 | mg/kg | 20 | 1948020 | 11/27/19 | 12/02/19 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 6900 | 1000 | mg/kg | 20 | 1948020 | 11/27/19 | 12/02/19 | EPA 8015D | |
| Surrogate: n-Nonane | | 302 % | | 50-200 | 1948020 | 11/27/19 | 12/02/19 | EPA 8015D | N3 |

Nonhalogenated Organics by 8015 - GRO

| | | | | | | | | | |
|---|------|--------|-------|--------|---------|----------|----------|-----------|--|
| Gasoline Range Organics (C6-C10) | 99.7 | 20.0 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8015D | |
| Surrogate: 1-Chloro-4-fluorobenzene-FHD | | 96.0 % | | 50-150 | 1949005 | 12/01/19 | 12/02/19 | EPA 8015D | |

Anions by 300.0/9056A

| | | | | | | | | | |
|----------|------|------|-------|---|---------|----------|----------|-----------------|--|
| Chloride | 3050 | 40.0 | mg/kg | 2 | 1949002 | 12/01/19 | 12/02/19 | EPA 300.0/9056A | |
|----------|------|------|-------|---|---------|----------|----------|-----------------|--|

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Apache Corp.
PO Box 1058
Hobbs NM, 88240

Project Name: EBDU CTB
Project Number: 19054-0003
Project Manager: Jeff Broom

Reported:
12/03/19 13:43

SP4-2'
P911125-08 (Solid)

| Reporting | | | | | | | | | |
|--|--------|--------|-------|----------|---------|----------|----------|-----------------|-------|
| Analyte | Result | Limit | Units | Dilution | Batch | Prepared | Analyzed | Method | Notes |
| Volatiles Organics by EPA 8021 | | | | | | | | | |
| Benzene | ND | 0.0250 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Toluene | 0.0925 | 0.0250 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Ethylbenzene | 0.612 | 0.0250 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| p,m-Xylene | 0.169 | 0.0500 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| o-Xylene | 1.27 | 0.0250 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Total Xylenes | 1.44 | 0.0250 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Surrogate 4-Bromochlorobenzene-PHD | | 108 % | | 50-150 | 1949005 | 12/01/19 | 12/02/19 | EPA 8021B | |
| Nonhalogenated Organics by 8015 - DRO/ORO | | | | | | | | | |
| Diesel Range Organics (C10-C28) | 2530 | 25.0 | mg/kg | 1 | 1948020 | 11/27/19 | 12/03/19 | EPA 8015D | |
| Oil Range Organics (C28-C40) | 350 | 50.0 | mg/kg | 1 | 1948020 | 11/27/19 | 12/03/19 | EPA 8015D | |
| Surrogate n-Nonane | | 144 % | | 50-200 | 1948020 | 11/27/19 | 12/03/19 | EPA 8015D | |
| Nonhalogenated Organics by 8015 - GRO | | | | | | | | | |
| Gasoline Range Organics (C6-C10) | 30.8 | 20.0 | mg/kg | 1 | 1949005 | 12/01/19 | 12/02/19 | EPA 8015D | |
| Surrogate 1-Chloro-4-fluorobenzene-PHD | | 89.4 % | | 50-150 | 1949005 | 12/01/19 | 12/02/19 | EPA 8015D | |
| Anions by 300.0/9056A | | | | | | | | | |
| Chloride | 565 | 20.0 | mg/kg | 1 | 1949002 | 12/01/19 | 12/02/19 | EPA 300.0/9056A | |

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| | | | |
|-----------------|------------------|------------|-----------------------------|
| Apache Corp. | Project Name | EBDU CTB | Reported: 12/03/19 13:43 |
| PO Box 1058 | Project Number: | 19054-0003 | |
| Hobbs NM, 88240 | Project Manager: | Jeff Broom | |

Volatile Organics by EPA 8021 - Quality Control

Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1949005 - Purge and Trap EPA 5030A

Blank (1949005-BLK1)

Prepared 12/02/19 0 Analyzed: 12/02/19 1

| | | | | | | | | | | |
|-------------------------------------|------|--------|-------|------|--|-----|--------|--|--|--|
| Benzene | ND | 0.0250 | mg/kg | | | | | | | |
| Toluene | ND | 0.0250 | " | | | | | | | |
| Ethylbenzene | ND | 0.0250 | " | | | | | | | |
| p,m-Xylene | ND | 0.0500 | " | | | | | | | |
| o-Xylene | ND | 0.0250 | " | | | | | | | |
| Total Xylenes | ND | 0.0250 | " | | | | | | | |
| Surrogate: 4-Bromochlorobenzene-PHD | 8.06 | | " | 8.00 | | 101 | 50-150 | | | |

LCS (1949005-BS1)

Prepared 12/02/19 0 Analyzed: 12/02/19 2

| | | | | | | | | | | |
|-------------------------------------|------|--------|-------|------|--|-----|--------|--|--|--|
| Benzene | 5.17 | 0.0250 | mg/kg | 5.00 | | 103 | 70-130 | | | |
| Toluene | 5.29 | 0.0250 | " | 5.00 | | 106 | 70-130 | | | |
| Ethylbenzene | 5.22 | 0.0250 | " | 5.00 | | 104 | 70-130 | | | |
| p,m-Xylene | 10.4 | 0.0500 | " | 10.0 | | 104 | 70-130 | | | |
| o-Xylene | 5.20 | 0.0250 | " | 5.00 | | 104 | 70-130 | | | |
| Total Xylenes | 15.6 | 0.0250 | " | 15.0 | | 104 | 70-130 | | | |
| Surrogate: 4-Bromochlorobenzene-PHD | 8.24 | | " | 8.00 | | 103 | 50-150 | | | |

Matrix Spike (1949005-MS1)

Source: P911126-01

Prepared 12/02/19 0 Analyzed: 12/03/19 0

| | | | | | | | | | | |
|-------------------------------------|------|--------|-------|------|----|-----|----------|--|--|--|
| Benzene | 5.22 | 0.0250 | mg/kg | 5.00 | ND | 104 | 54.3-133 | | | |
| Toluene | 5.34 | 0.0250 | " | 5.00 | ND | 107 | 61.4-130 | | | |
| Ethylbenzene | 5.28 | 0.0250 | " | 5.00 | ND | 106 | 61.4-133 | | | |
| p,m-Xylene | 10.5 | 0.0500 | " | 10.0 | ND | 105 | 63.3-131 | | | |
| o-Xylene | 5.23 | 0.0250 | " | 5.00 | ND | 105 | 63.3-131 | | | |
| Total Xylenes | 15.7 | 0.0250 | " | 15.0 | ND | 105 | 63.3-131 | | | |
| Surrogate: 4-Bromochlorobenzene-PHD | 8.23 | | " | 8.00 | | 103 | 50-150 | | | |

Matrix Spike Dup (1949005-MSD1)

Source: P911126-01

Prepared 12/02/19 0 Analyzed: 12/03/19 0

| | | | | | | | | | | |
|-------------------------------------|------|--------|-------|------|----|-----|----------|------|----|--|
| Benzene | 5.13 | 0.0250 | mg/kg | 5.00 | ND | 103 | 54.3-133 | 1.70 | 20 | |
| Toluene | 5.26 | 0.0250 | " | 5.00 | ND | 105 | 61.4-130 | 1.48 | 20 | |
| Ethylbenzene | 5.18 | 0.0250 | " | 5.00 | ND | 104 | 61.4-133 | 1.74 | 20 | |
| p,m-Xylene | 10.3 | 0.0500 | " | 10.0 | ND | 103 | 63.3-131 | 1.74 | 20 | |
| o-Xylene | 5.16 | 0.0250 | " | 5.00 | ND | 103 | 63.3-131 | 1.38 | 20 | |
| Total Xylenes | 15.5 | 0.0250 | " | 15.0 | ND | 103 | 63.3-131 | 1.62 | 20 | |
| Surrogate: 4-Bromochlorobenzene-PHD | 8.27 | | " | 8.00 | | 103 | 50-150 | | | |

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| | | | |
|-----------------|------------------|------------|-----------------------------|
| Apache Corp. | Project Name | EBDU CTB | Reported: 12/03/19 13:43 |
| PO Box 1058 | Project Number: | 19054-0003 | |
| Hobbs NM, 88240 | Project Manager: | Jeff Broom | |

Nonhalogenated Organics by 8015 - DRO/ORO - Quality Control

Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|---|---------------|---|-------------|------|-----------|-------|
| Batch 1948020 - DRO Extraction EPA 3570 | | | | | | | | | | |
| Blank (1948020-BLK1) | | | | Prepared: 11/27/19 Analyzed: 12/02/19 | | | | | | |
| Diesel Range Organics (C10-C28) | ND | 25.0 | mg/kg | | | | | | | |
| Oil Range Organics (C28-C40) | ND | 50.0 | " | | | | | | | |
| Surrogate: n-Nonane | 47.1 | | " | 50.0 | | 94.2 | 50-200 | | | |
| LCS (1948020-BS1) | | | | Prepared: 11/27/19 Analyzed: 12/02/19 | | | | | | |
| Diesel Range Organics (C10-C28) | 460 | 25.0 | mg/kg | 500 | | 92.0 | 38-132 | | | |
| Surrogate: n-Nonane | 47.8 | | " | 50.0 | | 95.6 | 50-200 | | | |
| Matrix Spike (1948020-MS1) | | | | Source: P911123-01 | | Prepared: 11/27/19 Analyzed: 12/02/19 | | | | |
| Diesel Range Organics (C10-C28) | 525 | 25.0 | mg/kg | 500 | ND | 105 | 38-132 | | | |
| Surrogate: n-Nonane | 52.0 | | " | 50.0 | | 104 | 50-200 | | | |
| Matrix Spike Dup (1948020-MSD1) | | | | Source: P911123-01 | | Prepared: 11/27/19 Analyzed: 12/02/19 | | | | |
| Diesel Range Organics (C10-C28) | 596 | 25.0 | mg/kg | 500 | ND | 119 | 38-132 | 12.7 | 20 | |
| Surrogate: n-Nonane | 56.7 | | " | 50.0 | | 113 | 50-200 | | | |

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Apache Corp.
PO Box 1058
Hobbs NM, 88240

Project Name: EBDU CTB
Project Number: 19054-0003
Project Manager: Jeff Broom

Reported:
12/03/19 13:43

Nonhalogenated Organics by 8015 - GRO - Quality Control

Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|
|---------|--------|-----------------|-------|-------------|---------------|------|-------------|-----|-----------|-------|

Batch 1949005 - Purge and Trap EPA 5030A

Blank (1949005-BLK1)

Prepared: 12/02/19 0 Analyzed: 12/02/19 1

| | | | | | | | | | | |
|---|------|------|-------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | ND | 20.0 | mg/kg | | | | | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.05 | | " | 8.00 | | 88.2 | 50-150 | | | |

LCS (1949005-BS2)

Prepared: 12/02/19 0 Analyzed: 12/03/19 0

| | | | | | | | | | | |
|---|------|------|-------|------|--|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 48.8 | 20.0 | mg/kg | 50.0 | | 97.6 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.01 | | " | 8.00 | | 87.7 | 50-150 | | | |

Matrix Spike (1949005-MS2)

Source: P911126-01

Prepared: 12/02/19 0 Analyzed: 12/03/19 0

| | | | | | | | | | | |
|---|------|------|-------|------|----|------|--------|--|--|--|
| Gasoline Range Organics (C6-C10) | 50.2 | 20.0 | mg/kg | 50.0 | ND | 100 | 70-130 | | | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.07 | | " | 8.00 | | 88.4 | 50-150 | | | |

Matrix Spike Dup (1949005-MSD2)

Source: P911126-01

Prepared: 12/02/19 0 Analyzed: 12/03/19 0

| | | | | | | | | | | |
|---|------|------|-------|------|----|------|--------|------|----|--|
| Gasoline Range Organics (C6-C10) | 49.5 | 20.0 | mg/kg | 50.0 | ND | 98.9 | 70-130 | 1.50 | 20 | |
| Surrogate: 1-Chloro-4-fluorobenzene-FID | 7.02 | | " | 8.00 | | 87.8 | 50-150 | | | |

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Page 34 of 130
Received by OCD: 2/9/2021 7:59:06 AM
Released to Imaging: 6/17/2021 9:43:04 AM



| | | | |
|-----------------|------------------|------------|----------------|
| Apache Corp. | Project Name | EBDU CTB | Reported: |
| PO Box 1058 | Project Number: | 19054-0003 | 12/03/19 13:43 |
| Hobbs NM, 88240 | Project Manager: | Jeff Broom | |

Anions by 300.0/9056A - Quality Control

Envirotech Analytical Laboratory

| Analyte | Result | Reporting Limit | Units | Spike Level | Source Result | %REC | %REC Limits | RPD | RPD Limit | Notes |
|--|--------|-----------------|-------|--|---------------|------|-------------|------|-----------|-------|
| Batch 1949002 - Anion Extraction EPA 300.0/9056A | | | | | | | | | | |
| Blank (1949002-BLK1) | | | | Prepared: 12/01/19 0 Analyzed: 12/02/19 0 | | | | | | |
| Chloride | ND | 20.0 | mg/kg | | | | | | | |
| LCS (1949002-BS1) | | | | Prepared: 12/01/19 0 Analyzed: 12/02/19 1 | | | | | | |
| Chloride | 247 | 20.0 | mg/kg | 250 | | 98.8 | 90-110 | | | |
| Matrix Spike (1949002-MS1) | | | | Source: P911124-01 Prepared: 12/01/19 0 Analyzed: 12/02/19 1 | | | | | | |
| Chloride | 2590 | 20.0 | mg/kg | 250 | 2070 | 208 | 80-120 | | | M2 |
| Matrix Spike Dup (1949002-MSD1) | | | | Source: P911124-01 Prepared: 12/01/19 0 Analyzed: 12/02/19 1 | | | | | | |
| Chloride | 2310 | 20.0 | mg/kg | 250 | 2070 | 92.7 | 80-120 | 11.8 | 20 | |

QC Summary Report

Comment:

Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures. Therefore, hand calculated values may differ slightly.

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| | | | |
|-----------------|------------------|------------|-----------------------------|
| Apache Corp. | Project Name: | EBDU CTB | Reported: 12/03/19 13:43 |
| PO Box 1058 | Project Number: | 19054-0003 | |
| Hobbs NM, 88240 | Project Manager: | Jeff Broom | |

Notes and Definitions

- S3 Surrogate spike recovery exceeded acceptance limits due to interfering target and/or non-target analytes.
- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit.
- NR Not Reported
- RPD Relative Percent Difference
- ** Methods marked with ** are non-accredited methods.

Soil data is reported on an "as received" weight basis, unless reported otherwise.

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Project Information

Chain of Custody

Page 1 of 1

| | | | | | | | | | | | | | | | | | |
|---|--------------|--------|---------------|---|------------|--------------------------|-----------------|--|-------------|----------------|----------------|--|--|-------------------------------------|--|--|--|
| Client: Apache Project: EBDU CTB Project Manager: Jeff Broom Address: City, State, Zip: Phone: Email: Larry.Bayer@apache.org | | | | Report Attention: Report due by: Hungry Horse Attention: Tracy Jennings Address: 4024 Plains Hwy City, State, Zip: Livingston NM 87030 Phone: 575-390-1761 Email: TJennings@hungry-horse.com | | | | Lab Use Only Lab WO# P 911125 Job Number 19054-0003 Analysis and Method | | | | TAT 1D 3D | | EPA Program RCRA CWA SDWA | | | |
| | | | | | | | | State NM CO UT AZ | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Time Sampled | Date Sampled | Matrix | No Containers | Sample ID | Lab Number | DRO/DRO by 8015 | GRU/DRO by 8015 | WTEX by 8021 | VOC by 8016 | Metals by 8017 | Chloride 300.0 | Remarks | | | | | |
| 9:15 | 11/25/19 | S | 1 | SP1 - surf | 1 | / | / | / | / | / | / | | | | | | |
| 9:22 | 11/25 | | | SP1 - 1' | 2 | / | / | / | / | / | / | | | | | | |
| 9:40 | 11/25 | | | SP2 - Surf | 3 | / | / | / | / | / | / | | | | | | |
| 10:07 | 11/25 | | | SP2 - 2' | 4 | / | / | / | / | / | / | | | | | | |
| 9:46 | 11/25 | | | SP3 - surf | 5 | / | / | / | / | / | / | | | | | | |
| 10:48 | 11/25 | | | SP3 - 2' | 6 | / | / | / | / | / | / | | | | | | |
| 9:49 | 11/25 | | | SP4 - surf | 7 | / | / | / | / | / | / | | | | | | |
| 11:12 | 11/25 | | | SP4 - 2' | 8 | / | / | / | / | / | / | | | | | | |
| Additional Instructions: | | | | | | | | | | | | | | | | | |
| I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: | | | | | | | | | | | | | | | | | |
| Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5 °C on subsequent days. | | | | | | | | | | | | | | | | | |
| Relinquished by: (Signature) | | Date | | Time | | Received by: (Signature) | | Date | | Time | | Lab Use Only Received on ice: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N T1 T2 T3 AVG Temp °C 4.0 Visible ice | | | | | |
| Relinquished by: (Signature) | | Date | | Time | | Received by: (Signature) | | Date | | Time | | | | | | | |
| Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report. | | | | | | | | | | | | | | | | | |



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Project Information

Chain of Custody

Page 1 of 1

| | | | | | | | | | | | | |
|--------------------------------------|--|--|--|---------------------------------|--|--|--|-------------|----|------|-----|------|
| Client: <u>Apache</u> | | Report Attention: <u>Hungry Horse</u> | | Lab Use Only | | TAT | | EPA Program | | | | |
| Project: <u>ERDU CTB</u> | | Report due by: <u>Traci Jennings</u> | | Lab: WO# <u>P911125</u> | | Job Number <u>19054-0003</u> | | 1D | 3D | RCRA | CWA | SDWA |
| Project Manager: <u>Jeff Broom</u> | | Attention: <u>Traci Jennings</u> | | Address: <u>4024 Plains Hwy</u> | | Analysis and Method | | State | | | | |
| Address: | | City, State, Zip: <u>Lawton NM 87000</u> | | Phone: <u>505-390-1761</u> | | Email: <u>TJennings@hungry-horse.com</u> | | NM CO UT AZ | | | | |
| Email: <u>Larry Bower@apache.com</u> | | | | | | | | | | | | |

| Time Sampled | Date Sampled | Matrix | No. Containers | Sample ID | Lab Number | DR/DO by 8015 | GAD/DO by 8015 | STEX by 8021 | VOC by 8021 | Metals by 8021 | Chloride 300.0 | Remarks |
|--------------|--------------|--------|----------------|------------|------------|---------------|----------------|--------------|-------------|----------------|----------------|-------------------------|
| 4:15 | 11/25/19 | S | 1 | SP1 - Surf | 1 | / | / | / | / | / | / | Cancelled per Client RL |
| 4:22 | 11/25 | | | SP1 - 1' | 2 | / | / | / | / | / | / | |
| 4:40 | 11/25 | | | SP2 - Surf | 3 | / | / | / | / | / | / | |
| 10:07 | 11/25 | | | SP2 - 2' | 4 | / | / | / | / | / | / | |
| 4:46 | 11/25 | | | SP3 - Surf | 5 | / | / | / | / | / | / | |
| 10:48 | 11/25 | | | SP3 - 2' | 6 | / | / | / | / | / | / | |
| 9:44 | 11/25 | | | SP4 - Surf | 7 | / | / | / | / | / | / | |
| 11:12 | 11/25 | | | SP4 - 2' | 8 | / | / | / | / | / | / | |

Additional Instructions:

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by: [Signature] Date: 11/25/19 Time: 2:00

Received by (Signature): [Signature] Date: 11-26-19 Time: 1145

Refinanced by (Signature): [Signature] Date: 11-26-19 Time: 1355

Received by (Signature): [Signature] Date: 11-29-19 Time: 1115

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

Received on ice: Y/N

AVG Temp °C: 4.0 Visible ice: Yes

envirotech Analytical Laboratory

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lab@envirotech.com



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

January 22, 2020

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: EBDU CTB

Enclosed are the results of analyses for samples received by the laboratory on 01/21/20 10:42.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" being more prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/21/2020
 Reported: 01/22/2020
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/21/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 2' (H000199-01)

| BTX 8021B | | mg/kg | Analyzed By: MS | | | | | S-04 | |
|----------------|--------|-----------------|-----------------|--------------|------|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 6.65 | 0.500 | 01/22/2020 | ND | 1.92 | 96.1 | 2.00 | 0.934 | QM-07 |
| Toluene* | 39.8 | 0.500 | 01/22/2020 | ND | 2.01 | 101 | 2.00 | 0.236 | QM-07 |
| Ethylbenzene* | 20.9 | 0.500 | 01/22/2020 | ND | 1.97 | 98.4 | 2.00 | 0.0633 | QM-07 |
| Total Xylenes* | 90.2 | 1.50 | 01/22/2020 | ND | 5.82 | 96.9 | 6.00 | 0.00936 | QM-07 |
| Total BTX | 158 | 3.00 | 01/22/2020 | ND | | | | | QM-07 |

Surrogate: 4-Bromofluorobenzene (PIL) 142 % 73.3-129

| TPH 8015M | | mg/kg | Analyzed By: MS | | | | | S-06 | |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 1890 | 50.0 | 01/22/2020 | ND | 206 | 103 | 200 | 1.03 | |
| DRO >C10-C28* | 5090 | 50.0 | 01/22/2020 | ND | 218 | 109 | 200 | 1.06 | |
| EXT DRO >C28-C36 | 631 | 50.0 | 01/22/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 274 % 41-142

Surrogate: 1-Chlorooctadecane 199 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/21/2020
 Reported: 01/22/2020
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/21/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 3' (H000199-02)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 0.134 | 0.050 | 01/22/2020 | ND | 1.92 | 96.1 | 2.00 | 0.934 | |
| Toluene* | 1.08 | 0.050 | 01/22/2020 | ND | 2.01 | 101 | 2.00 | 0.236 | |
| Ethylbenzene* | 1.36 | 0.050 | 01/22/2020 | ND | 1.97 | 98.4 | 2.00 | 0.0633 | |
| Total Xylenes* | 4.72 | 0.150 | 01/22/2020 | ND | 5.82 | 96.9 | 6.00 | 0.00936 | |
| Total BTEX | 7.29 | 0.300 | 01/22/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 168 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 116 | 10.0 | 01/22/2020 | ND | 206 | 103 | 200 | 1.03 | |
| DRO >C10-C28* | 741 | 10.0 | 01/22/2020 | ND | 218 | 109 | 200 | 1.06 | |
| EXT DRO >C28-C36 | 78.9 | 10.0 | 01/22/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 124 % 41-142

Surrogate: 1-Chlorooctadecane 113 % 37.6-147

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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: 01/21/2020
 Reported: 01/22/2020
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/21/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 4' (H000199-03)

| BTX 8021B | | | mg/kg | | Analyzed By: MS | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2020 | ND | 1.92 | 96.1 | 2.00 | 0.934 | |
| Toluene* | <0.050 | 0.050 | 01/22/2020 | ND | 2.01 | 101 | 2.00 | 0.236 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2020 | ND | 1.97 | 98.4 | 2.00 | 0.0633 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2020 | ND | 5.82 | 96.9 | 6.00 | 0.00936 | |
| Total BTX | <0.300 | 0.300 | 01/22/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 96.3 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/22/2020 | ND | 206 | 103 | 200 | 1.03 | |
| DRO >C10-C28* | 13.9 | 10.0 | 01/22/2020 | ND | 218 | 109 | 200 | 1.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/22/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 104 % 41-142

Surrogate: 1-Chlorooctadecane 110 % 37.6-147

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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: 01/21/2020
 Reported: 01/22/2020
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/21/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ 3' (H000199-04)

| BTEX 80218 | | mg/kg | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|-----------------|--------------|------|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.92 | 96.1 | 2.00 | 0.934 | |
| Toluene* | <0.050 | 0.050 | 01/21/2020 | ND | 2.01 | 101 | 2.00 | 0.236 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.97 | 98.4 | 2.00 | 0.0633 | |
| Total Xylenes* | <0.150 | 0.150 | 01/21/2020 | ND | 5.82 | 96.9 | 6.00 | 0.00936 | |
| Total BTEX | <0.300 | 0.300 | 01/21/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIC) 95.9 % 73.3-129

| TPH 8015M | | mg/kg | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/22/2020 | ND | 206 | 103 | 200 | 1.03 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/22/2020 | ND | 218 | 109 | 200 | 1.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/22/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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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: 01/21/2020
 Reported: 01/22/2020
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/21/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ 4' (H000199-05)

| BTEX 80218 | | mg/kg | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|-----------------|--------------|------|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.92 | 96.1 | 2.00 | 0.934 | |
| Toluene* | <0.050 | 0.050 | 01/21/2020 | ND | 2.01 | 101 | 2.00 | 0.236 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.97 | 98.4 | 2.00 | 0.0633 | |
| Total Xylenes* | <0.150 | 0.150 | 01/21/2020 | ND | 5.82 | 96.9 | 6.00 | 0.00936 | |
| Total BTEX | <0.300 | 0.300 | 01/21/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PiC) 95.8 % 73.3-129

| TPH 8015M | | mg/kg | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/22/2020 | ND | 206 | 103 | 200 | 1.03 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/22/2020 | ND | 218 | 109 | 200 | 1.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/22/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 105 % 37.6-147

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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: 01/21/2020
 Reported: 01/22/2020
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/21/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ 3' (H000199-06)

| BTX 8021B | | | mg/kg | | Analyzed By: MS | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.92 | 96.1 | 2.00 | 0.934 | |
| Toluene* | <0.050 | 0.050 | 01/21/2020 | ND | 2.01 | 101 | 2.00 | 0.236 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.97 | 98.4 | 2.00 | 0.0633 | |
| Total Xylenes* | <0.150 | 0.150 | 01/21/2020 | ND | 5.82 | 96.9 | 6.00 | 0.00936 | |
| Total BTX | <0.300 | 0.300 | 01/21/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 96.5 % 73.3-129

| TPH 8015M | | | mg/kg | | Analyzed By: MS | | | | |
|------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/22/2020 | ND | 206 | 103 | 200 | 1.03 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/22/2020 | ND | 218 | 109 | 200 | 1.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/22/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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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: 01/21/2020
 Reported: 01/22/2020
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/21/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ 4' (H000199-07)

| BTEX 8021B | | mg/kg | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|-----------------|--------------|------|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.92 | 96.1 | 2.00 | 0.934 | |
| Toluene* | <0.050 | 0.050 | 01/21/2020 | ND | 2.01 | 101 | 2.00 | 0.236 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/21/2020 | ND | 1.97 | 98.4 | 2.00 | 0.0633 | |
| Total Xylenes* | <0.150 | 0.150 | 01/21/2020 | ND | 5.82 | 96.9 | 6.00 | 0.00936 | |
| Total BTEX | <0.300 | 0.300 | 01/21/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 93.6 % 73.3-129

| TPH 8015M | | mg/kg | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/22/2020 | ND | 206 | 103 | 200 | 1.03 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/22/2020 | ND | 218 | 109 | 200 | 1.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/22/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 109 % 37.6-147

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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: 01/21/2020
 Reported: 01/22/2020
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/21/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ 3' (H000199-08)

| BTEX 80218 | | | mg/kg | | Analyzed By: MS | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|---------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/22/2020 | ND | 1.92 | 96.1 | 2.00 | 0.934 | |
| Toluene* | <0.050 | 0.050 | 01/22/2020 | ND | 2.01 | 101 | 2.00 | 0.236 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2020 | ND | 1.97 | 98.4 | 2.00 | 0.0633 | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2020 | ND | 5.82 | 96.9 | 6.00 | 0.00936 | |
| Total BTEX | <0.300 | 0.300 | 01/22/2020 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 95.5 % 73.3-129

| TPH 8015M | | | mg/kg | | Analyzed By: MS | | | | |
|------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/22/2020 | ND | 206 | 103 | 200 | 1.03 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/22/2020 | ND | 218 | 109 | 200 | 1.06 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/22/2020 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 107 % 37.6-147

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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: 01/21/2020
 Reported: 01/22/2020
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/21/2020
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ 4' (H000199-09)

| BTX 8021B | | | mg/kg | | | | | | | Analyzed By: MS |
|----------------|--------|-----------------|------------|--------------|------|------------|---------------|---------|-----------|-----------------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/22/2020 | ND | 1.92 | 96.1 | 2.00 | 0.934 | | |
| Toluene* | <0.050 | 0.050 | 01/22/2020 | ND | 2.01 | 101 | 2.00 | 0.236 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/22/2020 | ND | 1.97 | 98.4 | 2.00 | 0.0633 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/22/2020 | ND | 5.82 | 96.9 | 6.00 | 0.00936 | | |
| Total BTX | <0.300 | 0.300 | 01/22/2020 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PIL) 96.0 % 73.3-129

| TPH 8015M | | | mg/kg | | | | | | | Analyzed By: MS |
|------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|-----------------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 01/22/2020 | ND | 206 | 103 | 200 | 1.03 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/22/2020 | ND | 218 | 109 | 200 | 1.06 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/22/2020 | ND | | | | | | |

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 | 25 | 26 | 27 | 28 | 29 | 30 | 31 |
|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|

JANUARY • FEBRUARY • MARCH • APRIL • MAY • JUNE • JULY • AUGUST • SEPTEMBER • OCTOBER • NOVEMBER • DECEMBER

MONDAY • TUESDAY • WEDNESDAY • THURSDAY • FRIDAY • SATURDAY • SUNDAY

- EBDu CTB 11/25/19 -

SP1 @ Surface -

$$10.0 / 30.2 = 3.02 = .60 = 1.811$$

SP1 @ 1'

$$10.2 / 30.3 = 2.97 = .29 = 861$$

SP2 @ Surface -

$$10.1 / 30.3 = 3 = 1.05 = 3,149$$

SP2 @ 2'

$$10.6 / 30.2 = 2.84 = .18 = 511 \checkmark$$

SP2 @ 3'

$$10.1 / 30.2 = 2.99 = .07 = 209 \checkmark$$

SP3 @ Surface -

$$10.1 / 30.2 = 2.99 = 1.62 = 4,842$$

SP3 @ 1'

$$10.2 / 30.3 = 2.97 = .25 = 742$$

SP3 @ 2'

$$10.0 / 30.1 = 3.01 = .30 = 902$$

SP4 @ Surface -

$$10.0 / 30.2 = 3.02 = 1.15 = 3,471$$

SP4 @ 1'

$$10.1 / 30.2 = 2.99 = .35 = 1,046$$

SP4 @ 2'

$$10.0 / 30.0 = 3 = .20 = 599 \checkmark$$

APACHE CORPORATIONEBDU CTB
CLOSURE SAMPLE MAP**Legend**

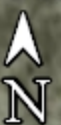
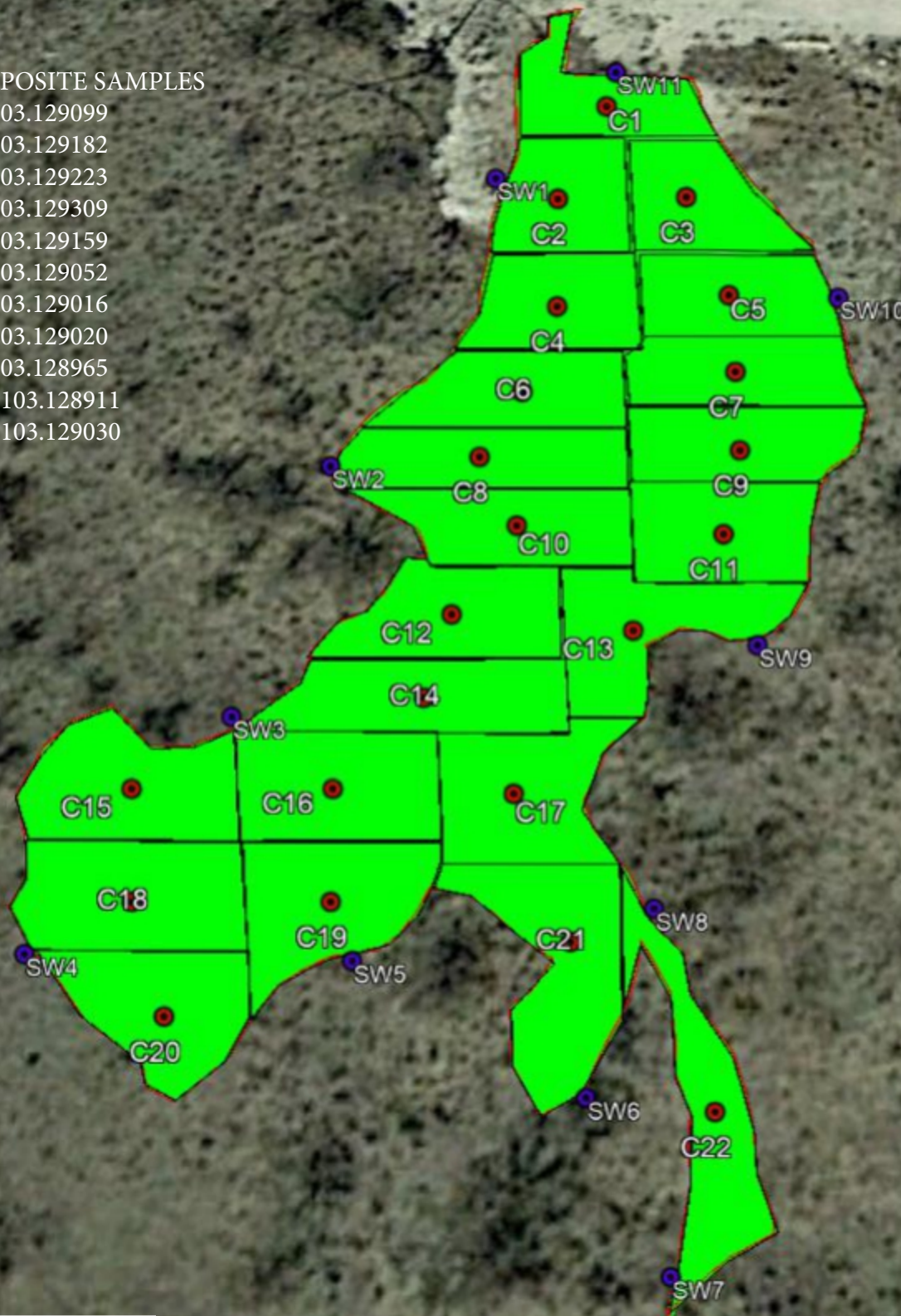
- EBDU CTB EXCAVATION AREA
- HOR COMPOSITE SAMPLES
- VERT COMPOSITE SAMPLES

HORIZONTAL COMPOSITE SAMPLES

CP SW1: 32.489122 -103.129099
 CP SW2: 32.488971 -103.129182
 CP SW3: 32.488857 -103.129223
 CP SW4: 32.488761 -103.129309
 CP SW5: 32.488759 -103.129159
 CP SW6: 32.488709 -103.129052
 CP SW7: 32.488648 -103.129016
 CP SW8: 32.488779 -103.129020
 CP SW9: 32.488888 -103.128965
 CP SW10: 32.489057 -103.128911
 CP SW11: 32.489183 -103.129030

VERTICAL COMPOSITE SAMPLES

CP1: 32.489163 -103.129036 (498 SQ.FT.)
 CP2: 32.489110 -103.129064 (495 SQ.FT.)
 CP3: 32.489111 -103.128992 (495 SQ.FT.)
 CP4: 32.489052 -103.129064 (493 SQ.FT.)
 CP5: 32.489058 -103.128971 (500 SQ.FT.)
 CP6: 32.489008 -103.129083 (499 SQ.FT.)
 CP7: 32.489018 -103.128969 (492 SQ.FT.)
 CP8: 32.488976 -103.129105 (494 SQ.FT.)
 CP9: 32.488979 -103.128969 (495 SQ.FT.)
 CP10: 32.488943 -103.129085 (486 SQ.FT.)
 CP11: 32.488939 -103.128979 (484 SQ.FT.)
 CP12: 32.488902 -103.129117 (470 SQ.FT.)
 CP13: 32.488895 -103.129027 (497 SQ.FT.)
 CP14: 32.488865 -103.129130 (496 SQ.FT.)
 CP15: 32.488827 -103.129268 (491 SQ.FT.)
 CP16: 32.488827 -103.129172 (492 SQ.FT.)
 CP17: 32.488825 -103.129085 (484 SQ.FT.)
 CP18: 32.488782 -103.129262 (497 SQ.FT.)
 CP19: 32.488782 -103.129170 (450 SQ.FT.)
 CP20: 32.488738 -103.129242 (381 SQ.FT.)
 CP21: 32.488766 -103.129058 (495 SQ.FT.)
 CP22: 32.488704 -103.128995 (377 SQ.FT.)



APACHE CORPORATION:

EBDU CTB

CLOSURE SAMPLES

| SMP PT | DEPTH | FIELD CHL | LAB CHL | BENZENE | TOLUENE | ETHYLENZ ENE | TOTAL XYLENES | TOTAL BTEX | GRO | DRO | EXT DRO | TPH |
|--------|-------|-----------|---------|---------|---------|-----------------|------------------|---------------|------|------|---------|--------|
| CP 1 | 3' | 700 | 688 | <0.050 | <0.050 | 0.093 | 0.478 | 0.571 | 34.3 | 942 | 216 | 1192.3 |
| CP 1A | 4' | 720 | 816 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 20.9 | <10 | 40.9 |
| CP 2 | 4'-5' | 300 | 272 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 228 | 81.1 | 319.1 |
| CP 3 | 3' | 200 | 160 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 59.4 | 17 | 86.4 |
| CP 4 | 4'-5' | 240 | 208 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 12.7 | <10 | 32.7 |
| CP 5 | 3' | 560 | 464 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 36.4 | <10 | 56.4 |
| CP 6 | 3' | 480 | 368 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | <10 | <10 | <30 |
| CP 7 | 3' | 240 | 208 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 19.5 | <10 | 39.5 |
| CP 8 | 3' | 200 | 112 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 36.8 | <10 | 56.9 |
| CP 9 | 3' | 300 | 272 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 86.5 | 15.8 | 112.3 |
| CP 9A | 4' | N/A | N/A | >0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 17.3 | <10 | <40 |
| CP 10 | 3' | 240 | 224 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 42.4 | <10 | 62.4 |
| CP 11 | 3' | 200 | 160 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 57.3 | <10 | 77.3 |
| CP 12 | 3' | 100 | 80 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 73.7 | 19.7 | 103.4 |
| CP 12A | 4' | N/A | N/A | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 71.5 | 17.3 | <98.8 |
| CP 12A | 5' | N/A | 688 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | <10 | <10 | <30 |
| CP 13 | 3' | 60 | 48 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 44.9 | 11.3 | 66.2 |
| CP 14 | 3' | 80 | 64 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 57.2 | 11.6 | 78.8 |
| CP 15 | 3' | 140 | 128 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 10.8 | <10 | 30.8 |
| CP 16 | 3' | 520 | 480 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 31.9 | <10 | 51.9 |
| CP 17 | 3' | 240 | 224 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 89.7 | 21.1 | 120.8 |
| CP 17A | 4' | N/A | N/A | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 31.5 | <10 | <51.5 |
| CP 18 | 3' | 440 | 416 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | <10 | <10 | <30 |
| CP 19 | 3' | 300 | 256 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 119 | 30.6 | 159.6 |
| CP 19A | 4' | N/A | N/A | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 15.4 | <10 | <35.4 |
| CP 20 | 3' | 320 | 256 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 26.6 | 12.5 | 49.1 |
| CP 21 | 3' | 400 | 368 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 76.3 | 20.9 | 107.2 |
| CP 21A | 4; | N/A | N/A | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 24.5 | <10 | <44.5 |
| CP 22 | 3' | 500 | 464 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 47.9 | 13.2 | 71.1 |
| CP SW1 | | 400 | 416 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 482 | 115 | 607 |

| | | | | | | | | | | | | |
|----------|----|-----|-----|--------|--------|--------|--------|--------|-----|------|------|-------|
| CP SW1A | 1' | N/A | N/A | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | <10 | <10 | <30 |
| CP SW2 | | 400 | 384 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | <10 | <10 | <30 |
| CP SW3 | | 480 | 464 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | <10 | <10 | <30 |
| CP SW4 | | 200 | 192 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 67.6 | 32.6 | 110.2 |
| CP SW4A | 1' | N/A | N/A | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | <10 | <10 | <30 |
| CP SW5 | | 200 | 192 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 1290 | 312 | 1612 |
| CP SW5A | 1' | N/A | N/A | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | <10 | <10 | <30 |
| CP SW6 | | 240 | 224 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 310 | 86.4 | 406.4 |
| CP SW6A | 1' | N/A | N/A | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | <10 | 14.5 | <34.5 |
| CP SW7 | | 240 | 224 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 10.3 | <10 | <30.3 |
| CP SW8 | | 280 | 240 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 786 | 221 | 1017 |
| CP SW8A | 1' | N/A | N/A | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 242 | 56 | <308 |
| CP SW8A | 2' | N/A | 48 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 10.8 | <10 | <30.8 |
| CP SW9 | | 300 | 272 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 1790 | 562 | 2362 |
| CP SW9A | 1' | N/A | N/A | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 29.8 | <10 | <49.8 |
| CP SW10 | | 200 | 160 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 413 | 90.2 | 513.2 |
| CP SW10A | 1' | N/A | N/A | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | 16 | <10 | <36 |
| CP SW11 | | 260 | 272 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | 145 | 1170 | <10 | 1325 |
| CP SW11A | 1' | N/A | N/A | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10 | <10 | <10 | <30 |



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

January 14, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: EBDU CTB

Enclosed are the results of analyses for samples received by the laboratory on 01/13/21 16:46.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/13/2021
 Reported: 01/14/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/13/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE #1 (H210084-01)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/14/2021 | ND | 2.04 | 102 | 2.00 | 0.588 | |
| Toluene* | <0.050 | 0.050 | 01/14/2021 | ND | 2.02 | 101 | 2.00 | 0.655 | |
| Ethylbenzene* | 0.093 | 0.050 | 01/14/2021 | ND | 1.98 | 98.8 | 2.00 | 0.457 | |
| Total Xylenes* | 0.478 | 0.150 | 01/14/2021 | ND | 5.80 | 96.6 | 6.00 | 0.294 | |
| Total BTX | 0.571 | 0.300 | 01/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 123 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 688 | 16.0 | 01/14/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 34.3 | 10.0 | 01/14/2021 | ND | 220 | 110 | 200 | 0.0774 | |
| DRO >C10-C28* | 942 | 10.0 | 01/14/2021 | ND | 204 | 102 | 200 | 1.94 | |
| EXT DRO >C28-C36 | 216 | 10.0 | 01/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 133 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/13/2021
 Reported: 01/14/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/13/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE #2 (H210084-02)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/14/2021 | ND | 2.04 | 102 | 2.00 | 0.588 | |
| Toluene* | <0.050 | 0.050 | 01/14/2021 | ND | 2.02 | 101 | 2.00 | 0.655 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/14/2021 | ND | 1.98 | 98.8 | 2.00 | 0.457 | |
| Total Xylenes* | <0.150 | 0.150 | 01/14/2021 | ND | 5.80 | 96.6 | 6.00 | 0.294 | |
| Total BTX | <0.300 | 0.300 | 01/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 01/14/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/14/2021 | ND | 220 | 110 | 200 | 0.0774 | |
| DRO >C10-C28* | 228 | 10.0 | 01/14/2021 | ND | 204 | 102 | 200 | 1.94 | |
| EXT DRO >C28-C36 | 81.1 | 10.0 | 01/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/13/2021
 Reported: 01/14/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/13/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE #3 (H210084-03)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/14/2021 | ND | 2.04 | 102 | 2.00 | 0.588 | |
| Toluene* | <0.050 | 0.050 | 01/14/2021 | ND | 2.02 | 101 | 2.00 | 0.655 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/14/2021 | ND | 1.98 | 98.8 | 2.00 | 0.457 | |
| Total Xylenes* | <0.150 | 0.150 | 01/14/2021 | ND | 5.80 | 96.6 | 6.00 | 0.294 | |
| Total BTEx | <0.300 | 0.300 | 01/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 01/14/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/14/2021 | ND | 220 | 110 | 200 | 0.0774 | |
| DRO >C10-C28* | 59.4 | 10.0 | 01/14/2021 | ND | 204 | 102 | 200 | 1.94 | |
| EXT DRO >C28-C36 | 17.0 | 10.0 | 01/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/13/2021
 Reported: 01/14/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/13/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE #4 (H210084-04)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/14/2021 | ND | 2.04 | 102 | 2.00 | 0.588 | |
| Toluene* | <0.050 | 0.050 | 01/14/2021 | ND | 2.02 | 101 | 2.00 | 0.655 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/14/2021 | ND | 1.98 | 98.8 | 2.00 | 0.457 | |
| Total Xylenes* | <0.150 | 0.150 | 01/14/2021 | ND | 5.80 | 96.6 | 6.00 | 0.294 | |
| Total BTX | <0.300 | 0.300 | 01/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 208 | 16.0 | 01/14/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/14/2021 | ND | 220 | 110 | 200 | 0.0774 | |
| DRO >C10-C28* | 12.7 | 10.0 | 01/14/2021 | ND | 204 | 102 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 92.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.2 % 42.2-156

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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: 01/13/2021
 Reported: 01/14/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/13/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE #5 (H210084-05)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/14/2021 | ND | 2.04 | 102 | 2.00 | 0.588 | |
| Toluene* | <0.050 | 0.050 | 01/14/2021 | ND | 2.02 | 101 | 2.00 | 0.655 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/14/2021 | ND | 1.98 | 98.8 | 2.00 | 0.457 | |
| Total Xylenes* | <0.150 | 0.150 | 01/14/2021 | ND | 5.80 | 96.6 | 6.00 | 0.294 | |
| Total BTX | <0.300 | 0.300 | 01/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 464 | 16.0 | 01/14/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/14/2021 | ND | 220 | 110 | 200 | 0.0774 | |
| DRO >C10-C28* | 36.4 | 10.0 | 01/14/2021 | ND | 204 | 102 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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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: 01/13/2021
 Reported: 01/14/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/13/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE #6 (H210084-06)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/14/2021 | ND | 2.04 | 102 | 2.00 | 0.588 | |
| Toluene* | <0.050 | 0.050 | 01/14/2021 | ND | 2.02 | 101 | 2.00 | 0.655 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/14/2021 | ND | 1.98 | 98.8 | 2.00 | 0.457 | |
| Total Xylenes* | <0.150 | 0.150 | 01/14/2021 | ND | 5.80 | 96.6 | 6.00 | 0.294 | |
| Total BTX | <0.300 | 0.300 | 01/14/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 368 | 16.0 | 01/14/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/14/2021 | ND | 220 | 110 | 200 | 0.0774 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/14/2021 | ND | 204 | 102 | 200 | 1.94 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/14/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



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

January 20, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: EBDU CTB

Enclosed are the results of analyses for samples received by the laboratory on 01/15/21 16:47.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/15/2021
 Reported: 01/20/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE 1A (H210101-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.20 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.19 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.01 | 101 | 2.00 | 1.63 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 5.90 | 98.4 | 6.00 | 1.55 | |
| Total BTEX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 816 | 16.0 | 01/18/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/19/2021 | ND | 247 | 124 | 200 | 2.57 | |
| DRO >C10-C28* | 20.9 | 10.0 | 01/19/2021 | ND | 244 | 122 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 70.6 % 42.2-156

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Mike Snyder For 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: 01/15/2021
 Reported: 01/20/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE 7 (H210101-02)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.20 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.19 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.01 | 101 | 2.00 | 1.63 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 5.90 | 98.4 | 6.00 | 1.55 | |
| Total BTX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 208 | 16.0 | 01/18/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/19/2021 | ND | 247 | 124 | 200 | 2.57 | |
| DRO >C10-C28* | 19.5 | 10.0 | 01/19/2021 | ND | 244 | 122 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.5 % 42.2-156

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Mike Snyder For 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: 01/15/2021
 Reported: 01/20/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE 8 (H210101-03)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.20 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.19 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.01 | 101 | 2.00 | 1.63 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 5.90 | 98.4 | 6.00 | 1.55 | |
| Total BTX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 01/18/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/19/2021 | ND | 247 | 124 | 200 | 2.57 | |
| DRO >C10-C28* | 36.8 | 10.0 | 01/19/2021 | ND | 244 | 122 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.1 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/15/2021
 Reported: 01/20/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE 9 (H210101-04)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.20 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.19 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.01 | 101 | 2.00 | 1.63 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 5.90 | 98.4 | 6.00 | 1.55 | |
| Total BTX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 01/18/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/19/2021 | ND | 247 | 124 | 200 | 2.57 | |
| DRO >C10-C28* | 86.5 | 10.0 | 01/19/2021 | ND | 244 | 122 | 200 | 4.26 | |
| EXT DRO >C28-C36 | 15.8 | 10.0 | 01/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.2 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/15/2021
 Reported: 01/20/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE 10 (H210101-05)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.20 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.19 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.01 | 101 | 2.00 | 1.63 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 5.90 | 98.4 | 6.00 | 1.55 | |
| Total BTX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 01/18/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/19/2021 | ND | 247 | 124 | 200 | 2.57 | |
| DRO >C10-C28* | 42.4 | 10.0 | 01/19/2021 | ND | 244 | 122 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 91.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.7 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/15/2021
 Reported: 01/20/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE 11 (H210101-06)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.20 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.19 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.01 | 101 | 2.00 | 1.63 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 5.90 | 98.4 | 6.00 | 1.55 | |
| Total BTEX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 01/18/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/19/2021 | ND | 247 | 124 | 200 | 2.57 | |
| DRO >C10-C28* | 57.3 | 10.0 | 01/19/2021 | ND | 244 | 122 | 200 | 4.26 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/15/2021
 Reported: 01/20/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE 12 (H210101-07)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.20 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.19 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.01 | 101 | 2.00 | 1.63 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 5.90 | 98.4 | 6.00 | 1.55 | |
| Total BTX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 01/18/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/19/2021 | ND | 247 | 124 | 200 | 2.57 | |
| DRO >C10-C28* | 73.7 | 10.0 | 01/19/2021 | ND | 244 | 122 | 200 | 4.26 | |
| EXT DRO >C28-C36 | 19.7 | 10.0 | 01/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 92.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.1 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/15/2021
 Reported: 01/20/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE 13 (H210101-08)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.20 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.19 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.01 | 101 | 2.00 | 1.63 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 5.90 | 98.4 | 6.00 | 1.55 | |
| Total BTX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 01/18/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/19/2021 | ND | 247 | 124 | 200 | 2.57 | |
| DRO >C10-C28* | 44.9 | 10.0 | 01/19/2021 | ND | 244 | 122 | 200 | 4.26 | |
| EXT DRO >C28-C36 | 11.3 | 10.0 | 01/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 86.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.5 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/15/2021
 Reported: 01/20/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE 14 (H210101-09)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.20 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.19 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.01 | 101 | 2.00 | 1.63 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 5.90 | 98.4 | 6.00 | 1.55 | |
| Total BTX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 64.0 | 16.0 | 01/18/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/19/2021 | ND | 228 | 114 | 200 | 0.116 | |
| DRO >C10-C28* | 57.2 | 10.0 | 01/19/2021 | ND | 245 | 123 | 200 | 2.48 | |
| EXT DRO >C28-C36 | 11.6 | 10.0 | 01/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.4 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/15/2021
 Reported: 01/20/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE 15 (H210101-10)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.20 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 1.19 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.01 | 101 | 2.00 | 1.63 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 5.90 | 98.4 | 6.00 | 1.55 | |
| Total BTX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 01/18/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/19/2021 | ND | 228 | 114 | 200 | 0.116 | |
| DRO >C10-C28* | 10.8 | 10.0 | 01/19/2021 | ND | 245 | 123 | 200 | 2.48 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.2 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/15/2021
 Reported: 01/20/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE 16 (H210101-11)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.03 | 102 | 2.00 | 3.08 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 3.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.06 | 103 | 2.00 | 3.18 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 6.32 | 105 | 6.00 | 3.05 | |
| Total BTX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 480 | 16.0 | 01/18/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/19/2021 | ND | 228 | 114 | 200 | 0.116 | |
| DRO >C10-C28* | 31.9 | 10.0 | 01/19/2021 | ND | 245 | 123 | 200 | 2.48 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 97.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.7 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/15/2021
 Reported: 01/20/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE 17 (H210101-12)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.03 | 102 | 2.00 | 3.08 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 3.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.06 | 103 | 2.00 | 3.18 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 6.32 | 105 | 6.00 | 3.05 | |
| Total BTEx | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 01/18/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/19/2021 | ND | 228 | 114 | 200 | 0.116 | |
| DRO >C10-C28* | 89.7 | 10.0 | 01/19/2021 | ND | 245 | 123 | 200 | 2.48 | |
| EXT DRO >C28-C36 | 21.1 | 10.0 | 01/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 92.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.3 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/15/2021
 Reported: 01/20/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE 18 (H210101-13)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.03 | 102 | 2.00 | 3.08 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 3.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.06 | 103 | 2.00 | 3.18 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 6.32 | 105 | 6.00 | 3.05 | |
| Total BTEx | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 416 | 16.0 | 01/18/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/19/2021 | ND | 228 | 114 | 200 | 0.116 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/19/2021 | ND | 245 | 123 | 200 | 2.48 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 96.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.0 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/15/2021
 Reported: 01/20/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE 19 (H210101-14)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.03 | 102 | 2.00 | 3.08 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 3.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.06 | 103 | 2.00 | 3.18 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 6.32 | 105 | 6.00 | 3.05 | |
| Total BTEx | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 01/18/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/19/2021 | ND | 228 | 114 | 200 | 0.116 | |
| DRO >C10-C28* | 119 | 10.0 | 01/19/2021 | ND | 245 | 123 | 200 | 2.48 | |
| EXT DRO >C28-C36 | 30.6 | 10.0 | 01/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/15/2021
 Reported: 01/20/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE 20 (H210101-15)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.03 | 102 | 2.00 | 3.08 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 3.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.06 | 103 | 2.00 | 3.18 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 6.32 | 105 | 6.00 | 3.05 | |
| Total BTEx | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 256 | 16.0 | 01/18/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/19/2021 | ND | 228 | 114 | 200 | 0.116 | |
| DRO >C10-C28* | 26.6 | 10.0 | 01/19/2021 | ND | 245 | 123 | 200 | 2.48 | |
| EXT DRO >C28-C36 | 12.5 | 10.0 | 01/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/15/2021
 Reported: 01/20/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE 21 (H210101-16)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.03 | 102 | 2.00 | 3.08 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 3.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.06 | 103 | 2.00 | 3.18 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 6.32 | 105 | 6.00 | 3.05 | |
| Total BTX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 368 | 16.0 | 01/18/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/19/2021 | ND | 228 | 114 | 200 | 0.116 | |
| DRO >C10-C28* | 76.3 | 10.0 | 01/19/2021 | ND | 245 | 123 | 200 | 2.48 | |
| EXT DRO >C28-C36 | 20.9 | 10.0 | 01/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 42.2-156

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/15/2021
 Reported: 01/20/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/15/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: COMPOSITE 22 (H210101-17)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.03 | 102 | 2.00 | 3.08 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 3.39 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.06 | 103 | 2.00 | 3.18 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 6.32 | 105 | 6.00 | 3.05 | |
| Total BTEX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 464 | 16.0 | 01/18/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/19/2021 | ND | 228 | 114 | 200 | 0.116 | |
| DRO >C10-C28* | 47.9 | 10.0 | 01/19/2021 | ND | 245 | 123 | 200 | 2.48 | |
| EXT DRO >C28-C36 | 13.2 | 10.0 | 01/19/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 96.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.7 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 2

| | | | | | |
|---|------------------------------|--------------------------|------|------------------|--|
| Company Name: APACHE CORPORATION | | P.O. #: | | ANALYSIS REQUEST | |
| Project Manager: BRUCE BAKER | | Company: APACHE | | | |
| Address: | | Attn: BRUCE BAKER | | | |
| City: HOBBS | State: | Zip: | | | |
| Phone #: 575 631-6983 | Fax #: | | | | |
| Project #: | Project Owner: | City: HOBBS | | | |
| Project Name: | | State: NM | Zip: | | |
| Project Location: ER04 CT8 | Phone #: 575 631-6983 | | | | |
| Sampler Name: | Fax #: | | | | |

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | | | | DATE | TIME | BTX | TPH | CHLORIDE |
|----------|--------------|-------------------|--------------|-------------|------------|------|-----|--------|--------|---------|------|-----|-----|----------|
| | | | | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER: | | | | | |
| H210101 | COMPOSITE 1A | | 1 | X | | | | | | 1-15-21 | 3:59 | X | X | X |
| | COMPOSITE 7 | | 1 | X | | | | | | 1-15-21 | 9:36 | X | X | X |
| | COMPOSITE 8 | | 1 | X | | | | | | 1-15-21 | 9:35 | X | X | X |
| | COMPOSITE 9 | | 1 | X | | | | | | 1-15-21 | 9:40 | X | X | X |
| | COMPOSITE 10 | | 1 | X | | | | | | 1-15-21 | 9:45 | X | X | X |
| | COMPOSITE 11 | | 1 | X | | | | | | 1-15-21 | 1:15 | X | X | X |
| | COMPOSITE 12 | | 1 | X | | | | | | 1-15-21 | 1:18 | X | X | X |
| | COMPOSITE 13 | | 1 | X | | | | | | 1-15-21 | 1:20 | X | X | X |
| | COMPOSITE 14 | | 1 | X | | | | | | 1-15-21 | 1:25 | X | X | X |
| | COMPOSITE 15 | | 1 | X | | | | | | 1-15-21 | 2:30 | X | X | X |

| | | | |
|-------------------------------------|----------------------|---------------------------------|----------------------|
| Relinquished By: <i>[Signature]</i> | Date: 1-15-21 | Received By: <i>[Signature]</i> | Date: 1-15-21 |
| Relinquished By: <i>[Signature]</i> | Date: 1-15-21 | Received By: <i>[Signature]</i> | Date: 1-15-21 |

| | | | | | | | | |
|------------------------------|-------------------|--------------------|---|--------------------------------|------------------|--|---|--------------------|
| Delivered By: (Circle One) | Observed Temp. °C | Corrected Temp. °C | Sample Condition | CHECKED BY: <i>[Signature]</i> | Turnaround Time: | Standard | Bacteria (only) | Sample Condition |
| Sampler - UPS - Bus - Other: | | | Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> | | | <input checked="" type="checkbox"/> Rush | Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> | Observed Temp. °C |
| | | | Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> | | | | Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/> | Corrected Temp. °C |

REMARKS: *Email Bruce Baker + Natalie Gladden*

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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



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

January 21, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: EBDU CTB

Enclosed are the results of analyses for samples received by the laboratory on 01/18/21 16:28.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/21/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMPOSITE SW 1 (H210113-01)

| BTEX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/20/2021 | ND | 2.09 | 104 | 2.00 | 2.10 | |
| Toluene* | <0.050 | 0.050 | 01/20/2021 | ND | 2.12 | 106 | 2.00 | 0.228 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/20/2021 | ND | 2.09 | 104 | 2.00 | 0.343 | |
| Total Xylenes* | <0.150 | 0.150 | 01/20/2021 | ND | 6.41 | 107 | 6.00 | 0.382 | |
| Total BTEX | <0.300 | 0.300 | 01/20/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 416 | 16.0 | 01/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/20/2021 | ND | 242 | 121 | 200 | 3.14 | |
| DRO >C10-C28* | 482 | 10.0 | 01/20/2021 | ND | 246 | 123 | 200 | 2.05 | |
| EXT DRO >C28-C36 | 115 | 10.0 | 01/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 89.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/21/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMPOSITE SW 2 (H210113-02)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/20/2021 | ND | 2.09 | 104 | 2.00 | 2.10 | |
| Toluene* | <0.050 | 0.050 | 01/20/2021 | ND | 2.12 | 106 | 2.00 | 0.228 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/20/2021 | ND | 2.09 | 104 | 2.00 | 0.343 | |
| Total Xylenes* | <0.150 | 0.150 | 01/20/2021 | ND | 6.41 | 107 | 6.00 | 0.382 | |
| Total BTEx | <0.300 | 0.300 | 01/20/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 384 | 16.0 | 01/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/20/2021 | ND | 242 | 121 | 200 | 3.14 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/20/2021 | ND | 246 | 123 | 200 | 2.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 01/18/2021 | Sampling Date: | 01/18/2021 |
| Reported: | 01/21/2021 | Sampling Type: | Soil |
| Project Name: | EBDU CTB | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN | | |

Sample ID: COMPOSITE SW 3 (H210113-03)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 3.33 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.10 | 105 | 2.00 | 3.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.06 | 103 | 2.00 | 4.07 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 6.34 | 106 | 6.00 | 3.40 | |
| Total BTX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 464 | 16.0 | 01/20/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/20/2021 | ND | 242 | 121 | 200 | 3.14 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/20/2021 | ND | 246 | 123 | 200 | 2.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 01/18/2021 | Sampling Date: | 01/18/2021 |
| Reported: | 01/21/2021 | Sampling Type: | Soil |
| Project Name: | EBDU CTB | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN | | |

Sample ID: COMPOSITE SW 4 (H210113-04)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 3.33 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.10 | 105 | 2.00 | 3.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.06 | 103 | 2.00 | 4.07 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 6.34 | 106 | 6.00 | 3.40 | |
| Total BTX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 01/20/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/20/2021 | ND | 242 | 121 | 200 | 3.14 | |
| DRO >C10-C28* | 67.6 | 10.0 | 01/20/2021 | ND | 246 | 123 | 200 | 2.05 | |
| EXT DRO >C28-C36 | 32.6 | 10.0 | 01/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 01/18/2021 | Sampling Date: | 01/18/2021 |
| Reported: | 01/21/2021 | Sampling Type: | Soil |
| Project Name: | EBDU CTB | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN | | |

Sample ID: COMPOSITE SW 5 (H210113-05)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 3.33 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.10 | 105 | 2.00 | 3.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.06 | 103 | 2.00 | 4.07 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 6.34 | 106 | 6.00 | 3.40 | |
| Total BTX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 192 | 16.0 | 01/20/2021 | ND | 416 | 104 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/20/2021 | ND | 242 | 121 | 200 | 3.14 | |
| DRO >C10-C28* | 1290 | 10.0 | 01/20/2021 | ND | 246 | 123 | 200 | 2.05 | |
| EXT DRO >C28-C36 | 312 | 10.0 | 01/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 118 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 01/18/2021 | Sampling Date: | 01/18/2021 |
| Reported: | 01/21/2021 | Sampling Type: | Soil |
| Project Name: | EBDU CTB | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN | | |

Sample ID: COMPOSITE SW 6 (H210113-06)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 3.33 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.10 | 105 | 2.00 | 3.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.06 | 103 | 2.00 | 4.07 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 6.34 | 106 | 6.00 | 3.40 | |
| Total BTX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 01/20/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/20/2021 | ND | 242 | 121 | 200 | 3.14 | |
| DRO >C10-C28* | 310 | 10.0 | 01/20/2021 | ND | 246 | 123 | 200 | 2.05 | |
| EXT DRO >C28-C36 | 86.4 | 10.0 | 01/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/21/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMPOSITE SW 7 (H210113-07)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 3.33 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.10 | 105 | 2.00 | 3.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.06 | 103 | 2.00 | 4.07 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 6.34 | 106 | 6.00 | 3.40 | |
| Total BTX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 01/20/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/20/2021 | ND | 242 | 121 | 200 | 3.14 | |
| DRO >C10-C28* | 10.3 | 10.0 | 01/20/2021 | ND | 246 | 123 | 200 | 2.05 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 90.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 86.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 01/18/2021 | Sampling Date: | 01/18/2021 |
| Reported: | 01/21/2021 | Sampling Type: | Soil |
| Project Name: | EBDU CTB | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN | | |

Sample ID: COMPOSITE SW 8 (H210113-08)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 3.33 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.10 | 105 | 2.00 | 3.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.06 | 103 | 2.00 | 4.07 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 6.34 | 106 | 6.00 | 3.40 | |
| Total BTX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 01/20/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/20/2021 | ND | 242 | 121 | 200 | 3.14 | |
| DRO >C10-C28* | 786 | 10.0 | 01/20/2021 | ND | 246 | 123 | 200 | 2.05 | |
| EXT DRO >C28-C36 | 221 | 10.0 | 01/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/18/2021
 Reported: 01/21/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/18/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMPOSITE SW 9 (H210113-09)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 3.33 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.10 | 105 | 2.00 | 3.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.06 | 103 | 2.00 | 4.07 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 6.34 | 106 | 6.00 | 3.40 | |
| Total BTX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 01/20/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/20/2021 | ND | 236 | 118 | 200 | 0.732 | |
| DRO >C10-C28* | 1790 | 10.0 | 01/20/2021 | ND | 261 | 131 | 200 | 1.94 | |
| EXT DRO >C28-C36 | 562 | 10.0 | 01/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 104 % 44.3-144

Surrogate: 1-Chlorooctadecane 142 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 01/18/2021 | Sampling Date: | 01/18/2021 |
| Reported: | 01/21/2021 | Sampling Type: | Soil |
| Project Name: | EBDU CTB | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN | | |

Sample ID: COMPOSITE SW 10 (H210113-10)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 3.33 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.10 | 105 | 2.00 | 3.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.06 | 103 | 2.00 | 4.07 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 6.34 | 106 | 6.00 | 3.40 | |
| Total BTX | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 01/20/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/20/2021 | ND | 236 | 118 | 200 | 0.732 | |
| DRO >C10-C28* | 413 | 10.0 | 01/20/2021 | ND | 261 | 131 | 200 | 1.94 | |
| EXT DRO >C28-C36 | 90.2 | 10.0 | 01/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 100 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 01/18/2021 | Sampling Date: | 01/18/2021 |
| Reported: | 01/21/2021 | Sampling Type: | Soil |
| Project Name: | EBDU CTB | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NONE GIVEN | | |

Sample ID: COMPOSITE SW 11 (H210113-11)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.08 | 104 | 2.00 | 3.33 | |
| Toluene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.10 | 105 | 2.00 | 3.91 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/19/2021 | ND | 2.06 | 103 | 2.00 | 4.07 | |
| Total Xylenes* | <0.150 | 0.150 | 01/19/2021 | ND | 6.34 | 106 | 6.00 | 3.40 | |
| Total BTEx | <0.300 | 0.300 | 01/19/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 112 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 272 | 16.0 | 01/20/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 145 | 10.0 | 01/20/2021 | ND | 203 | 102 | 200 | 0.487 | |
| DRO >C10-C28* | 1170 | 10.0 | 01/20/2021 | ND | 165 | 82.5 | 200 | 4.52 | QR-03 |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/20/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 123 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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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 SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

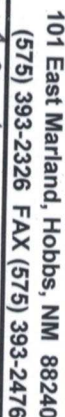


Page 14 of 15

| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL | OTHER : | DATE | TIME | BT | ET | CL |
|----------|----------------|------------------|--------------|-------------|------------|------|-----|--------|---------|------------|------------|---------|---------|-------|----|----|----|
| H2ID113 | COMPOSITE SW1 | { | | | | | | | | | | | 1-18-21 | 11:00 | { | { | { |
| 1 | COMPOSITE SW2 | | | | | | | | | | | | 1-18-21 | 11:15 | | | |
| 2 | COMPOSITE SW3 | | | | | | | | | | | | 1-18-21 | 11:20 | | | |
| 3 | COMPOSITE SW4 | | | | | | | | | | | | 1-18-21 | 11:20 | | | |
| 4 | COMPOSITE SW5 | | | | | | | | | | | | 1-18-21 | 11:20 | | | |
| 5 | COMPOSITE SW6 | { | | | | | | | | | | | 1-18-21 | 11:20 | { | { | { |
| 6 | COMPOSITE SW7 | | | | | | | | | | | | 1-18-21 | 11:20 | | | |
| 7 | COMPOSITE SW8 | | | | | | | | | | | | 1-18-21 | 11:20 | | | |
| 8 | COMPOSITE SW9 | | | | | | | | | | | | 1-18-21 | 11:20 | | | |
| 9 | COMPOSITE SW10 | | | | | | | | | | | | 1-18-21 | 11:20 | | | |

| | | | | |
|--|-------------|--------------------------|---|----------------|
| Relinquished By: | Date: 12-21 | Received By: [Signature] | Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No | Add'l Phone #: |
| All Results are emailed. Please provide Email address: | | | | |

[illegible]



PAGE 2 of 2

Page 15 of 15



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

January 29, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: EBDU CTB

Enclosed are the results of analyses for samples received by the laboratory on 01/28/21 16:43.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/28/2021
 Reported: 01/29/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMPOSITE 9 A (H210212-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.24 | 112 | 2.00 | 5.51 | |
| Toluene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.21 | 111 | 2.00 | 5.66 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.19 | 110 | 2.00 | 6.78 | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2021 | ND | 6.42 | 107 | 6.00 | 6.57 | |
| Total BTEX | <0.300 | 0.300 | 01/29/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/29/2021 | ND | 218 | 109 | 200 | 6.50 | |
| DRO >C10-C28* | 17.3 | 10.0 | 01/29/2021 | ND | 211 | 105 | 200 | 4.66 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/29/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.7 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/28/2021
 Reported: 01/29/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMPOSITE 12 A (H210212-02)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.24 | 112 | 2.00 | 5.51 | |
| Toluene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.21 | 111 | 2.00 | 5.66 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.19 | 110 | 2.00 | 6.78 | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2021 | ND | 6.42 | 107 | 6.00 | 6.57 | |
| Total BTX | <0.300 | 0.300 | 01/29/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/29/2021 | ND | 218 | 109 | 200 | 6.50 | |
| DRO >C10-C28* | 71.5 | 10.0 | 01/29/2021 | ND | 211 | 105 | 200 | 4.66 | |
| EXT DRO >C28-C36 | 17.3 | 10.0 | 01/29/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 93.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/28/2021
 Reported: 01/29/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMPOSITE 17 A (H210212-03)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.24 | 112 | 2.00 | 5.51 | | |
| Toluene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.21 | 111 | 2.00 | 5.66 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.19 | 110 | 2.00 | 6.78 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2021 | ND | 6.42 | 107 | 6.00 | 6.57 | | |
| Total BTEX | <0.300 | 0.300 | 01/29/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/29/2021 | ND | 218 | 109 | 200 | 6.50 | |
| DRO >C10-C28* | 31.5 | 10.0 | 01/29/2021 | ND | 211 | 105 | 200 | 4.66 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/29/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/28/2021
 Reported: 01/29/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMPOSITE 19 A (H210212-04)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.24 | 112 | 2.00 | 5.51 | |
| Toluene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.21 | 111 | 2.00 | 5.66 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.19 | 110 | 2.00 | 6.78 | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2021 | ND | 6.42 | 107 | 6.00 | 6.57 | |
| Total BTX | <0.300 | 0.300 | 01/29/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/29/2021 | ND | 218 | 109 | 200 | 6.50 | |
| DRO >C10-C28* | 15.4 | 10.0 | 01/29/2021 | ND | 211 | 105 | 200 | 4.66 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/29/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 42.2-156

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/28/2021
 Reported: 01/29/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMPOSITE 21 A (H210212-05)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.24 | 112 | 2.00 | 5.51 | |
| Toluene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.21 | 111 | 2.00 | 5.66 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.19 | 110 | 2.00 | 6.78 | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2021 | ND | 6.42 | 107 | 6.00 | 6.57 | |
| Total BTX | <0.300 | 0.300 | 01/29/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/29/2021 | ND | 218 | 109 | 200 | 6.50 | |
| DRO >C10-C28* | 24.5 | 10.0 | 01/29/2021 | ND | 211 | 105 | 200 | 4.66 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/29/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



- Rush -

Page 8 of 8



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

January 29, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: EBDU CTB

Enclosed are the results of analyses for samples received by the laboratory on 01/28/21 16:43.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/28/2021
 Reported: 01/29/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: EUNICE, NM

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMPOSITE SW 1A (H210213-01)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.24 | 112 | 2.00 | 5.51 | |
| Toluene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.21 | 111 | 2.00 | 5.66 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.19 | 110 | 2.00 | 6.78 | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2021 | ND | 6.42 | 107 | 6.00 | 6.57 | |
| Total BTEX | <0.300 | 0.300 | 01/29/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/29/2021 | ND | 218 | 109 | 200 | 6.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/29/2021 | ND | 211 | 105 | 200 | 4.66 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/29/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 95.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/28/2021
 Reported: 01/29/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: EUNICE, NM

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMPOSITE SW 4A (H210213-02)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.00 | 100 | 2.00 | 1.59 | |
| Toluene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.08 | 104 | 2.00 | 0.367 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.05 | 102 | 2.00 | 0.0578 | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2021 | ND | 6.42 | 107 | 6.00 | 0.659 | |
| Total BTX | <0.300 | 0.300 | 01/29/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/29/2021 | ND | 218 | 109 | 200 | 6.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/29/2021 | ND | 211 | 105 | 200 | 4.66 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/29/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 99.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 105 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/28/2021
 Reported: 01/29/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: EUNICE, NM

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMPOSITE SW 5A (H210213-03)

| BTEX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.00 | 100 | 2.00 | 1.59 | |
| Toluene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.08 | 104 | 2.00 | 0.367 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.05 | 102 | 2.00 | 0.0578 | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2021 | ND | 6.42 | 107 | 6.00 | 0.659 | |
| Total BTEX | <0.300 | 0.300 | 01/29/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/29/2021 | ND | 218 | 109 | 200 | 6.50 | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/29/2021 | ND | 211 | 105 | 200 | 4.66 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/29/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 91.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/28/2021
 Reported: 01/29/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: EUNICE, NM

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMPOSITE SW 6A (H210213-04)

| BTX 8021B | | mg/kg | | Analyzed By: ms | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.00 | 100 | 2.00 | 1.59 | |
| Toluene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.08 | 104 | 2.00 | 0.367 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.05 | 102 | 2.00 | 0.0578 | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2021 | ND | 6.42 | 107 | 6.00 | 0.659 | |
| Total BTX | <0.300 | 0.300 | 01/29/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/29/2021 | ND | 218 | 109 | 200 | 6.50 | |
| DRO >C10-C28* | 14.5 | 10.0 | 01/29/2021 | ND | 211 | 105 | 200 | 4.66 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/29/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 85.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/28/2021
 Reported: 01/29/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: EUNICE, NM

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMPOSITE SW 8A (H210213-05)

| BTEx 8021B | | mg/kg | | Analyzed By: ms | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.00 | 100 | 2.00 | 1.59 | | |
| Toluene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.08 | 104 | 2.00 | 0.367 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.05 | 102 | 2.00 | 0.0578 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2021 | ND | 6.42 | 107 | 6.00 | 0.659 | | |
| Total BTEx | <0.300 | 0.300 | 01/29/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/29/2021 | ND | 218 | 109 | 200 | 6.50 | |
| DRO >C10-C28* | 242 | 10.0 | 01/29/2021 | ND | 211 | 105 | 200 | 4.66 | |
| EXT DRO >C28-C36 | 56.0 | 10.0 | 01/29/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 106 % 44.3-144

Surrogate: 1-Chlorooctadecane 139 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/28/2021
 Reported: 01/29/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: EUNICE, NM

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMPOSITE SW 9A (H210213-06)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.24 | 112 | 2.00 | 5.51 | |
| Toluene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.21 | 111 | 2.00 | 5.66 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.19 | 110 | 2.00 | 6.78 | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2021 | ND | 6.42 | 107 | 6.00 | 6.57 | |
| Total BTEX | <0.300 | 0.300 | 01/29/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/29/2021 | ND | 218 | 109 | 200 | 6.50 | |
| DRO >C10-C28* | 29.8 | 10.0 | 01/29/2021 | ND | 211 | 105 | 200 | 4.66 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/29/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 115 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/28/2021
 Reported: 01/29/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: EUNICE, NM

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMPOSITE SW 10A (H210213-07)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.24 | 112 | 2.00 | 5.51 | |
| Toluene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.21 | 111 | 2.00 | 5.66 | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.19 | 110 | 2.00 | 6.78 | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2021 | ND | 6.42 | 107 | 6.00 | 6.57 | |
| Total BTX | <0.300 | 0.300 | 01/29/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|-------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 01/29/2021 | ND | 218 | 109 | 200 | 6.50 | |
| DRO >C10-C28* | 16.0 | 10.0 | 01/29/2021 | ND | 211 | 105 | 200 | 4.66 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/29/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 106 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/28/2021
 Reported: 01/29/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: EUNICE, NM

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: COMPOSITE SW 11A (H210213-08)

| BTX 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.24 | 112 | 2.00 | 5.51 | | |
| Toluene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.21 | 111 | 2.00 | 5.66 | | |
| Ethylbenzene* | <0.050 | 0.050 | 01/29/2021 | ND | 2.19 | 110 | 2.00 | 6.78 | | |
| Total Xylenes* | <0.150 | 0.150 | 01/29/2021 | ND | 6.42 | 107 | 6.00 | 6.57 | | |
| Total BTX | <0.300 | 0.300 | 01/29/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| TPH 8015M | | | mg/kg | | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 01/29/2021 | ND | 218 | 109 | 200 | 6.50 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 01/29/2021 | ND | 211 | 105 | 200 | 4.66 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 01/29/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 93.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

- RUSH -

| | | | | | | | | | | | | | | | | | | | |
|---|---------------------------|--------------------------|--------------|-------------|------------|------------------|-----|--------|---------|------------|------------|---------|-------------|--------------|-------------------|--|--|--|--|
| Company Name: Apache Corporation | | P.O. #: | | BILL TO | | ANALYSIS REQUEST | | | | | | | | | | | | | |
| Project Manager: Bruce Baker | | Company: APACHE | | | | | | | | | | | | | | | | | |
| Address: 2350 W. Marland Blvd | | Attn: Bruce Baker | | | | | | | | | | | | | | | | | |
| City: Hobbs | | Address: | | | | | | | | | | | | | | | | | |
| State: NM Zip: 88240 | | City: | | | | | | | | | | | | | | | | | |
| Phone #: 505 393 2326 | | State: | | | | | | | | | | | | | | | | | |
| Fax #: 505 393 2476 | | Zip: | | | | | | | | | | | | | | | | | |
| Project #: EB04 CTB | | Phone #: | | | | | | | | | | | | | | | | | |
| Project Name: Apache River | | Fax #: | | | | | | | | | | | | | | | | | |
| Project Location: Apache River | | | | | | | | | | | | | | | | | | | |
| Sampler Name: MAC River | | | | | | | | | | | | | | | | | | | |
| FOR LAB USE ONLY | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | ICE / COOL | OTHER : | DATE | TIME | BTEX EXT - TPH | | | | |
| H210213 | 1 composite SW 1A | G | 1 | 1 | | | | | | | | | 1-27 | 9:00 | 1 | | | | |
| | 2 composite SW 4A | | | | | | | | | | | | 1-27 | 9:25 | 1 | | | | |
| | 3 composite SW 5A | | | | | | | | | | | | 1-27 | 9:50 | 1 | | | | |
| | 4 composite SW 6A | | | | | | | | | | | | 1-27 | 10:15 | 1 | | | | |
| | 5 composite SW 8A | | | | | | | | | | | | 1-27 | 10:45 | 1 | | | | |
| | 6 composite SW 9A | | | | | | | | | | | | 1-27 | 1:30 | 1 | | | | |
| | 7 composite SW 10A | | | | | | | | | | | | 1-27 | 2:15 | 1 | | | | |
| | 8 composite SW 11A | | | | | | | | | | | | 1-27 | 3:45 | 1 | | | | |

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| | | | | |
|------------------------------|------------------------------|--|----------------------------------|--|
| Relinquished By: | Date: 2-28-21 | Received By: | Date: 2-28-21 | Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #: |
| Relinquished By: | Type: 1093 | Received By: | Type: 1093 | All Results are emailed. Please provide Email address: |
| Relinquished By: | Date: | Received By: | Date: | |
| Relinquished By: | Time: | Received By: | Time: | |
| Delivered By: (Circle One) | Observed Temp. °C 6.0 | Sample Condition | CHECKED BY: (Initials) YB | Turnaround Time: |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C | Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | Thermometer ID #113 | Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> |
| | | Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> | Correction Factor None | Cool Intact <input type="checkbox"/> Observed Temp. °C |
| | | Yes <input type="checkbox"/> No <input type="checkbox"/> | | Corrected Temp. °C |

REMARKS: **APN BRUCE BAKER AND NATALIE GARDEN**

FORN-0001-001007-20

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



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

February 02, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: EBDU CTB

Enclosed are the results of analyses for samples received by the laboratory on 02/01/21 14:12.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|------------|---------------------|----------------|
| Received: | 02/01/2021 | Sampling Date: | 02/01/2021 |
| Reported: | 02/02/2021 | Sampling Type: | Soil |
| Project Name: | EBDU CTB | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | EUNICE, NM | | |

Sample ID: C 12 A (H210245-01)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 02/01/2021 | ND | 2.24 | 112 | 2.00 | 5.45 | |
| Toluene* | <0.050 | 0.050 | 02/01/2021 | ND | 2.18 | 109 | 2.00 | 5.03 | |
| Ethylbenzene* | <0.050 | 0.050 | 02/01/2021 | ND | 2.15 | 107 | 2.00 | 4.86 | |
| Total Xylenes* | <0.150 | 0.150 | 02/01/2021 | ND | 6.31 | 105 | 6.00 | 4.55 | |
| Total BTX | <0.300 | 0.300 | 02/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 688 | 16.0 | 02/02/2021 | ND | 400 | 100 | 400 | 4.08 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/02/2021 | ND | 170 | 84.9 | 200 | 9.64 | |
| DRO >C10-C28* | <10.0 | 10.0 | 02/02/2021 | ND | 174 | 87.1 | 200 | 8.81 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 105 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/01/2021
 Reported: 02/02/2021
 Project Name: EBDU CTB
 Project Number: NONE GIVEN
 Project Location: EUNICE, NM

Sampling Date: 02/01/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: C SW 8 A (H210245-02)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 02/01/2021 | ND | 2.24 | 112 | 2.00 | 5.45 | | |
| Toluene* | <0.050 | 0.050 | 02/01/2021 | ND | 2.18 | 109 | 2.00 | 5.03 | | |
| Ethylbenzene* | <0.050 | 0.050 | 02/01/2021 | ND | 2.15 | 107 | 2.00 | 4.86 | | |
| Total Xylenes* | <0.150 | 0.150 | 02/01/2021 | ND | 6.31 | 105 | 6.00 | 4.55 | | |
| Total BTX | <0.300 | 0.300 | 02/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: AC | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 02/02/2021 | ND | 400 | 100 | 400 | 4.08 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 02/02/2021 | ND | 170 | 84.9 | 200 | 9.64 | |
| DRO >C10-C28* | 10.8 | 10.0 | 02/02/2021 | ND | 174 | 87.1 | 200 | 8.81 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 02/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 98.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

| | |
|-------|--|
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| 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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



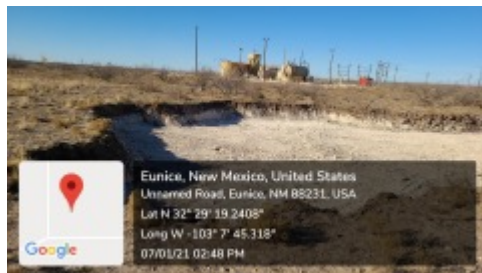
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 5 of 5



EBDU CTB REMEDIATION PHOTOS







EBDU CTB CLOSURE PHOTOS







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

Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos 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)
- ☒ 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.

Printed Name: Larry Baker

Title: Environmental Tech SR.

Signature: Larry Baker

Date: 2/9/2021

email: larry.baker@apachecorp.com

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: _____

| | |
|----------------|---------------|
| Incident ID | NRM1933741261 |
| 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)
- ☒ 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.

Printed Name: Larry Baker

Title: Environmental Tech SR.

Signature: Larry Baker

Date: 2/9/2021

email: larry.baker@apachecorp.com

Telephone: 432-631-6982

OCD Only

Received by: Robert Hamlet

Date: 6/17/2021

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: 6/17/2021

Printed Name: Robert Hamlet

Title: Environmental Specialist - Advanced

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 17481

CONDITIONS

| | |
|---|---|
| Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705 | OGRID: 873 |
| | Action Number: 17481 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|---|----------------|
| rhamlet | We have received your closure report and final C-141 for Incident #NRM1933741261 EAST BLINEBRY DRINKARD UNIT (EBDU) CTB, thank you. This closure is approved. | 6/17/2021 |