

303 Veterans Airpark Lane Midland, TX 79705

Closure Report

September 23, 2020

Re: Northeast Drinkard Unit Satellite 4A Emulsion Line Case # NRM1927750734 (1RP-5732)

On 9/27/2019 a release occurred due to an 8 inch emulsion line failed resulting in the loss of fluid. The release (GPS: 32.4668, -103.1534) is located north of Eunice, New Mexico in unit letter E section 22 township 21S range 37E. A groundwater survey was conducted utilizing NMOSE and USGS wells of records. The nearest wells suggest that groundwater beneath the release is 35 feet below ground surface.

The release was excavated to various depths ranging from 1 foot to 17.5 feet. Beginning on 6/4/2020 5 point bottom and wall composite samples were collected not exceeding 200 square feet and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. All excavated material was hauled to an OCD approved facility. Once laboratory results confirmed the entire excavation was below table one standards for releases less than or equal to 50 feet the excavation was backfilled with clean imported caliche to a depth of 2 foot at the request of the surface landowner. The remaining two feet was backfilled with clean top soil from the surrounding area and contoured. The disturbed area will be reseeded in accordance with the surface landowner's guidelines.

Apache Corporation has completed remediation and respectfully request that the event be closed.

Enclosed: C-141, Groundwater Data, Sample Diagram, Sample Data, Laboratory Results, Photos, and Variance Request.

Submitted by;

Bruce Baker

Environmental Technician larry.baker@apachecorp.com Cell# 432-631-6982 Off# 432-818-1000 **Received by OCD: 9/23/2020 11:31:25 AM** Form C-141 State of New Mexico

Oil Conservation Division

| | Page 2 of 11 | 6 |
|----------------|---------------|---|
| Incident ID | NRM1927750734 | |
| District RP | | |
| Facility ID | | |
| Application II |) | |

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? | (ft bgs) |
|---|------------|
| Did this release impact groundwater or surface water? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | 🗌 Yes 🛛 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)? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | 🗌 Yes 🛛 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? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | 🗌 Yes 📈 No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release within 300 feet of a wetland? | 🗌 Yes 🛛 No |
| Are the lateral extents of the release overlying a subsurface mine? | 🗌 Yes 🔽 No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | 🗌 Yes 🔽 No |
| Are the lateral extents of the release within a 100-year floodplain? | 🗌 Yes 🔽 No |
| Did the release impact areas not on an exploration, development, production, or storage site? | 🗹 Yes 🗌 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
- \checkmark 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.

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| Received by OCD | D: 9/23/2020 11:31:25 AM State of New Mexico | | Page 3 of 1 | | | | | |
|--|---|--|---|---|--|--|--|--|
| Form C-141 | | | Incident ID | NRM1927750734 | | | | |
| Page 4 | Oil Conservation Division | | District RP | | | | | |
| | | | Facility ID | | | | | |
| | | | Application ID | | | | | |
| regulations all op public health or t failed to adequate addition, OCD ac and/or regulation Printed Name: Signature: email: | hat the information given above is true and complete to the berators are required to report and/or file certain release noti the environment. The acceptance of a C-141 report by the C ely investigate and remediate contamination that pose a three cceptance of a C-141 report does not relieve the operator of as. Larry Baker Larry Baker y.baker@apachecorp.com | ifications and perform co OCD does not relieve the eat to groundwater, surfa | prrective actions for rele operator of liability sho ce water, human health iance with any other feo ental Tech SR. | ases which may endanger ould their operations have or the environment. In | | | | |
| OCD Only Received by: _ | Cristina Eads | Date:09 | /23/2020 | | | | | |

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Oil Conservation Division

| Incident ID | NRM1927750734 |
|----------------|---------------|
| District RP | |
| Facility ID | |
| Application ID | |

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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.

<u>Closure Report Attachment Checklist</u>: 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)

 \square 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

Signature: Larry Baker Date: 9/23/2020

email: <u>larry.baker@apachecorp.com</u>

Telephone: 432-631-6982

______ _{Title:} Environmental Tech SR.

OCD Only

Received by: Cristina Eads

Date: 09/23/2020

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:

ed by: / Turtur es

Date: 11/06/2020

Printed Name: Cristina Eads

Title: Environmental Specialist





New Mexico Office of the State Engineer **Point of Diversion Summary**

| | (quarters are 1=NV (quarters are small | | | | | | | | | 83 UTI | M in meters) | |
|------------------------------|---|---|----------|-------|-------|------|--------|------|-------------|---------|--------------|---------|
| Well Tag | POD | Number | Q64 | Q16 | Q4 | Sec | Tws | Rn | g | Х | Y | |
| | СР | 01575 POD2 | 2 | 2 | 1 | 22 | 21S | 37 | E 673 | 515 | 3594181 🌍 | |
| Driller Licer Driller Nam | Driller | Driller Company: WHITE DRILLING COMPANY | | | | | | | | | | |
| Drill Start D | Date: | 12/15/2015 | Drill Fi | inish | Date: | | 1 | 2/16 | 5/2015 | Plug | g Date: | |
| Log File Da | te: | 12/30/2015 | PCW R | lev D | ate: | | | | | Sou | rce: | Shallow |
| Pump Type: | : | | Pipe Di | ischa | rge S | ize: | | | | Esti | mated Yield: | |
| Casing Size | : | 2.00 | Depth V | Well: | | | 3 | 5 fe | et | Dep | th Water: | 35 feet |
| | Wate | er Bearing Stratification | ons: | | Тор |) E | Botton | ı D | escription | | | |
| | | | | | 32 | 2 | 33 | S | andstone/Gr | avel/C | Conglomerate | |
| | | | | | 33 | 3 | 35 | 5 S | hale/Mudsto | one/Sil | tstone | |
| | | Casing Perfora | tions: | | Тор |) E | Bottom | 1 | | | | |
| | | | | | 25 | 5 | 35 | 5 | | | | |

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POINT OF DIVERSION SUMMARY



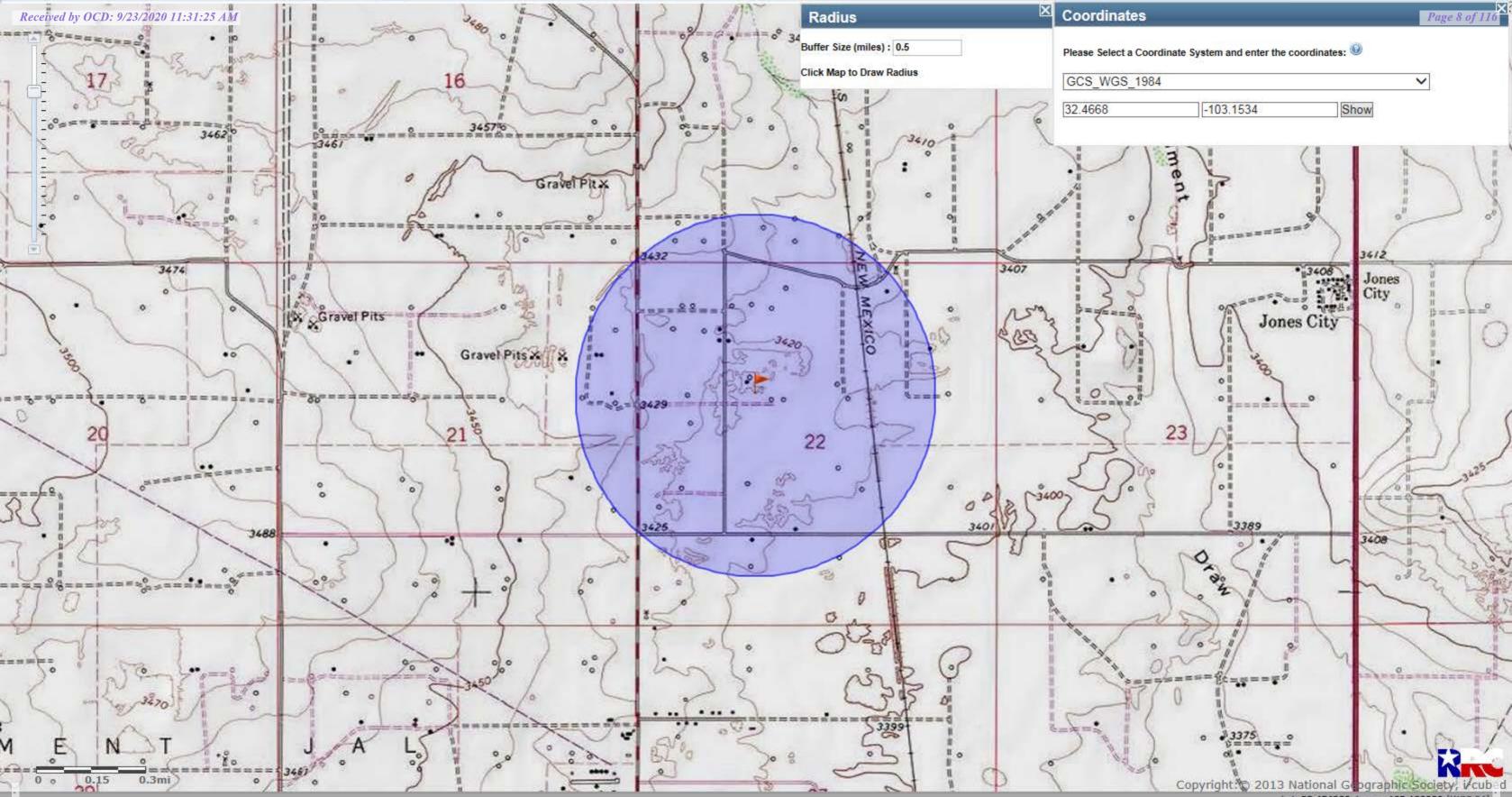
New Mexico Office of the State Engineer **Point of Diversion Summary**

| | | | < 1 | arters are 1=NW 2=NE 3=SW 4=SE) uarters are smallest to largest) | | | | | / | 83 UT | M in meters) | |
|---------------|--|---------------------------|------------|---|---|-----|--------|--------|-----------|--------|--------------|---------|
| Well Tag | POE | Number | Q64 | Q16 | Q4 | Sec | Tws | Rng | | Х | Y | |
| | СР | 01575 POD1 | 1 | 2 | 1 | 22 | 21S | 37E | 6735 | 544 | 3594204 🌍 |) |
| | Driller License: 1456 Driller Name: WHITE, JOHN W | | | | Driller Company: WHITE DRILLING COMPANY | | | | | | | |
| Drill Start D | Date: | 12/15/2015 | Drill F | inish 1 | Date: | | 1 | 2/16/2 | 015 | Plu | g Date: | |
| Log File Dat | te: | 12/30/2015 | PCW F | Rev D | ate: | | | | | Sou | rce: | Shallow |
| Pump Type: | | | Pipe D | ischar | ge Si | ze: | | | | Esti | mated Yield: | |
| Casing Size: | : | 2.00 | Depth | Well: | | | 4 |) feet | | Dep | oth Water: | 35 feet |
| | Wate | er Bearing Stratification | ons: | | Тор |) E | Botton | Des | cription | | | |
| | | | | | 23 | ; | 38 | San | dstone/Gr | avel/(| Conglomerate | |
| | | | | | 38 | 8 | 4(| Shal | le/Mudsto | one/Si | ltstone | |
| | | Casing Perfora | tions: | | Тор |) E | Bottom | L | | | | |
| | | | | | 30 |) | 40 |) | | | | |

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POINT OF DIVERSION SUMMARY



Lat: 32.454380, Long: -103.189020 (WGS 84)

. 52.454560, cong. 105.169020 [Web



| | | Depth | Chloride | Benzene | Toulene | Ethybenz | Total | Total | GRO | DRO | EXT DRO | GPS |
|-----------|----------------|-------|----------|---------|---------|----------|---------|---------|-------|-------|---------|--------------------------|
| Sample ID | Sample Date | | | | | ene | Xylenes | BTEX | | | | Coordinates |
| | | | | | | | | | | | | 32.466699 |
| B1 | 6/4/2020 | 17' | 784 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153352 |
| | 6/26/2020 | 17.5' | 80 | | | | | | | | | |
| | | | | | | | | | | | | 32.466721 |
| B2 | 6/4/2020 | 17' | 288 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153325 |
| | | | | | | | | | | | | 32.466748 |
| B3 | 6/4/2020 | 17' | 176 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153308 |
| 5.4 | 6 14 19 99 9 | 4 71 | | 0.050 | 0.050 | | 0.450 | | 40.0 | 10.6 | 10.0 | 32.466780 |
| B4 | 6/4/2020 | 17' | 32 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 18.6 | <10.0 | -103.153292 |
| B5 | 6/4/2020 | 17' | 128 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.466811 -103.153286 |
| 63 | 0/4/2020 | 17 | 120 | <0.050 | <0.050 | <0.050 | <0.150 | <0.500 | <10.0 | <10.0 | <10.0 | 32.466844 |
| B6 | 6/4/2020 | 17' | 240 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 2340 | 152 | -103.153267 |
| | 6/26/2020 | 17.5' | 210 | <0.050 | <0.050 | < 0.050 | <0.150 | < 0.300 | <10.0 | <10.0 | <10.0 | 103.133207 |
| | -,, | | | | | | | | | | | 32.466724 |
| B7 | 6/4/2020 | 17' | 128 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 658 | 88.3 | -103.153394 |
| | 6/26/2020 | 17.5' | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| | | | | | | | | | | | | 32.466749 |
| B8 | 6/4/2020 | 17' | 32 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153378 |
| | | | | | | | | | | | | 32.466799 |
| B9 | 6/4/2020 | 17' | 48 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153362 |
| | | | | | | | | | | | | 32.466809 |
| B10 | 6/4/2020 | 17' | 1230 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153346 |
| | 6/26/2020 | 17.5' | 192 | | | | | | | | | 22.466226 |
| D11 | 6/4/2020 | 17 | 110 | | | <0.050 | ×0.1F0 | <0.200 | <10.0 | <10.0 | <10.0 | 32.466836 |
| B11 | 6/4/2020 | 17' | 112 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153328 32.466865 |
| B12 | 6/4/2020 | 17' | 672 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 235 | 40.4 | -103.153317 |
| DIZ | 6/26/2020 | 17.5' | 128 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 105.155517 |
| | 5, 20, 2020 | 17.5 | 120 | .0.000 | -0.000 | .0.000 | -0.130 | | 10.0 | .10.0 | 10.0 | 32.466783 |
| B13 | 6/4/2020 | 8' | 1540 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 105 | <10.0 | -103.153429 |
| | 6/26/2020 | 8.5' | 144 | | | | | | | | | |

| | | | | | | | | | | | | 32.466817 |
|-----|--|------|------|---------------|--------|---------|---------------|---------------|-------|-------|-------|--------------------------|
| B14 | 6/4/2020 | 8' | 64 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153416 |
| DII | 07 172020 | 0 | 01 | .0.000 | | | | | 10.0 | 10.0 | 10.0 | 32.466840 |
| B15 | 6/4/2020 | 8' | 1170 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153405 |
| _ | 6/26/2020 | 8.5' | 16 | | | | | | | | | |
| | | | | | | | | | | | | 32.466868 |
| B16 | 6/4/2020 | 8' | 16 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153383 |
| | | | | | | | | | | | | 32.466837 |
| B17 | 6/4/2020 | 8' | 32 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153452 |
| | | | | | | | | | | | | 32.466883 |
| B18 | 6/4/2020 | 8' | 128 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153425 |
| | | | | | | | | | | | | 32.466853 |
| B19 | 6/4/2020 | 4' | 32 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153487 |
| | | | | | | | | | | | | 32.466902 |
| B20 | 6/4/2020 | 4' | 32 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153454 |
| | <i>c. (. (</i> 2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2,2, | | | | | | | | 10.0 | | 10.0 | 32.466876 |
| B21 | 6/4/2020 | 4' | 32 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153513 32.466921 |
| 022 | 6/4/2020 | 4' | 16 | <0.050 | | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153486 |
| B22 | 6/4/2020 | 4 | 16 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.466885 |
| B23 | 6/4/2020 | 4' | 96 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153560 |
| 025 | 0/4/2020 | 7 | 50 | NO.000 | ×0.050 | \$0.050 | VO.100 | NO.300 | 10.0 | (10.0 | 10.0 | 32.466783 |
| B24 | 6/19/2020 | 1' | 176 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153237 |
| | | | | | | | | | | | | 32.466798 |
| B25 | 6/19/2020 | 1' | 112 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153174 |
| | | | | | | | | | | | | 32.466813 |
| B26 | 6/19/2020 | 1' | 144 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 13.6 | <10.0 | -103.153127 |
| | | | | | | | | | | | | 32.466831 |
| B27 | 6/19/2020 | 1' | 112 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153091 |
| | | | | | | | | | | | | 32.466848 |
| B28 | 6/19/2020 | 1' | 224 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153062 |
| | | | | | | | | | | | | 32.466877 |
| B29 | 6/19/2020 | 1' | 192 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153031 |
| | | | | | | | | | | | | 32.466916 |
| B30 | 6/19/2020 | 1' | 160 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.152988 |

| | | | | | | | | | | | | 32.467000 |
|-----|-----------|------|----|--------|--------|--------|--------|--------|-------|-------|-------|-------------|
| B31 | 6/19/2020 | 1' | 96 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 39.2 | <10.0 | -103.152898 |
| | | | | | | | | | | | | 32.467039 |
| B32 | 6/19/2020 | 1' | 48 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.152820 |
| | | | | | | | | | | | | 32.467119 |
| B33 | 6/19/2020 | 1' | 80 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.152752 |
| | | | | | | | | | | | | 32.467204 |
| B34 | 6/19/2020 | 1' | 32 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 18.5 | <10.0 | -103.152731 |
| | | | | | | | | | | | | 32.467258 |
| B35 | 6/19/2020 | 1' | 32 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 241 | 40 | -103.152732 |
| | 7/28/2020 | 1.5" | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 25.1 | <10.0 | |
| | | | | | | | | | | | | 32.467301 |
| B36 | 6/19/2020 | 1' | 32 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 36.4 | <10.0 | -103.152735 |



Google earth

| Sample ID | Sample | Chloride | Benzene | Toulene | Ethybenzene | Total | Total | GRO | DRO | EXT DRO | GPS Coordinates |
|-----------|-----------|----------|---------|---------|-------------|---------|--------|-------|-------|---------|-----------------|
| oumpie is | Date | | | | | Xylenes | BTEX | | | | |
| | | | | | | | | | | | 32.466733° |
| W1 | 6/4/2020 | 320 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.1534234 |
| | | | | | | | | | | | 32.466711 |
| W2 | 6/16/2020 | 112 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153400 |
| | | | | | | | | | | | 32.466692 |
| W3 | 6/16/2020 | 64 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153363 |
| | | | | | | | | | | | 32.466693 |
| W4 | 6/16/2020 | 272 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153327 |
| | | | | | | | | | | | 32.466708 |
| W5 | 6/4/2020 | 592 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153296 |
| | | | | | | | | | | | 32.466713 |
| W6 | 6/4/2020 | 432 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153275 |
| | | | | | | | | | | | 32.466758 |
| W7 | 6/16/2020 | 448 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153269 |
| | | | | | | | | | | | 32.466788 |
| W8 | 6/16/2020 | 144 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153258 |
| | | | | | | | | | | | 32.466817 |
| W9 | 6/16/2020 | 16 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153255 |
| | | | | | | | | | | | 32.466863 |
| W10 | 6/4/2020 | 64 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153254 |
| | | | | | | | | | | | 32.466879 |
| W11 | 6/4/2020 | 96 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 16.6 | <10.0 | -103.153288 |
| | | | | | | | | | | | 32.466885 |
| W12 | 6/4/2020 | 16 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 85 | 70.4 | -103.153334 |
| | | | | | | | | | | | 32.466940 |
| W13 | 6/4/2020 | 192 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 35.3 | 22.3 | -103.153435 |
| | | | | | | | | | | | 32.466901 |
| W14 | 6/4/2020 | 240 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 13 | <10.0 | -103.153515 |
| | | | | | | | | | | | 32.466852 |
| W15 | 6/16/2020 | 64 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153528 |
| | | | | | | | | | | | 32.466778 |
| W16 | 6/16/2020 | <16.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153435 |

| | | | | | | | | | | | 32.466782 |
|-----|-----------|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------------|
| W17 | 6/16/2020 | 128 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153395 |
| | | | | | | | | | | | 32.466809 |
| W18 | 6/19/2020 | 64 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153990 |
| | | | | | | | | | | | 32.467237 |
| W19 | 6/19/2020 | 16 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.152716 |
| | | | | | | | | | | | 32.467326 |
| W20 | 6/19/2020 | <16.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.152735 |
| | | | | | | | | | | | 32.467045 |
| W21 | 6/19/2020 | <16.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 154 | 16.5 | -103.152840 |
| | 8/24/2020 | | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| | | | | | | | | | | | 32.466845 |
| W22 | 6/19/2020 | 80 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | -103.153120 |



June 10, 2020

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

RE: NEDU 4A

Enclosed are the results of analyses for samples received by the laboratory on 06/04/20 16:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: W 1 (H001521-01)

| BTEX 8021B | mg | /kg | Analyze | d By: ms | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 2.02 | 101 | 2.00 | 2.79 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 2.18 | 109 | 2.00 | 2.24 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 2.08 | 104 | 2.00 | 2.19 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 6.06 | 101 | 6.00 | 1.18 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 115 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 320 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/05/2020 | ND | 184 | 91.8 | 200 | 4.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/05/2020 | ND | 187 | 93.3 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/05/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 98.9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 110 9 | % 42.2-15 | 6 | | | | | | |

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | APACHE CORP - HOBBS |
|------------|------------------------|
| | BRUCE BAKER |
| | 2350 W. MARLAND BLVD. |
| | HOBBS NM, 88240 |
| | Fax To: (575) 393-2432 |
| | |
| 06/04/2020 | Sampling Date: |

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: W 5 (H001521-02)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.2 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 592 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/05/2020 | ND | 184 | 91.8 | 200 | 4.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/05/2020 | ND | 187 | 93.3 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/05/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 103 9 | <i>44.3-14</i> | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 112 9 | 6 42.2-15 | 6 | | | | | | |

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*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



NEDU 4A

NONE GIVEN

NONE GIVEN

Sampling Condition:

Sample Received By:

06/04/2020

Cool & Intact

Kelly Jacobson

Soil

Analytical Results For:

| | APACHE C | ORP - HOBBS | | |
|---------|-----------|----------------|----------------|--|
| | BRUCE BA | KER | | |
| | 2350 W. M | 1arland Blvd. | | |
| | HOBBS NN | 4, 88240 | | |
| | Fax To: | (575) 393-2432 | | |
| | | | | |
| 06/04/2 | 020 | | Sampling Date: | |
| 06/10/2 | 020 | | Sampling Type: | |

Sample ID: W 6 (H001521-03)

Received:

Reported:

Project Name:

Project Number:

Project Location:

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.4 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 432 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/05/2020 | ND | 184 | 91.8 | 200 | 4.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/05/2020 | ND | 187 | 93.3 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/05/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 102 9 | 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 110 9 | 6 42.2-15 | , | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BAK | ARLAND BLVD. | | |
|--------------------------------------|--------------------------|-----------|----------------|---------------------|----------------|
| | | Fax To: | (575) 393-2432 | | |
| Received: | 06/04/2020 | | | Sampling Date: | 06/04/2020 |
| Reported: | 06/10/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: Project Location: | NONE GIVEN NONE GIVEN | | | Sample Received By: | Kelly Jacobson |
| | | | | | |

Sample ID: W 10 (H001521-04)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.8 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/05/2020 | ND | 184 | 91.8 | 200 | 4.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/05/2020 | ND | 187 | 93.3 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/05/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 107 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 109 9 | 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NONE GIVEN

Analytical Results For:

| | | BRUCE BAH | orp - Hobbs Ker Arland Blvd. | | |
|-----------------|------------|-----------|------------------------------------|---------------------|----------------|
| | | HOBBS NM | | | |
| | | Fax To: | (575) 393-2432 | 2 | |
| Received: | 06/04/2020 | | | Sampling Date: | 06/04/2020 |
| Reported: | 06/10/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Kelly Jacobson |

Sample ID: W 11 (H001521-05)

Project Location:

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.0 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/05/2020 | ND | 184 | 91.8 | 200 | 4.92 | |
| DRO >C10-C28* | 16.6 | 10.0 | 06/05/2020 | ND | 187 | 93.3 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/05/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 102 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 110 9 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | APACHE C | Corp - Hobbs | | |
|-------------------|------------|-----------|----------------|---------------------|----------------|
| | | BRUCE BA | AKER | | |
| | | 2350 W. N | MARLAND BLVD. | | |
| | | HOBBS N | M, 88240 | | |
| | | Fax To: | (575) 393-2432 | 2 | |
| Received: | 06/04/2020 | | | Sampling Date: | 06/04/2020 |
| Reported: | 06/10/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | | | |

Sample ID: W 12 (H001521-06)

| BTEX 8021B | mg | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.7 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | ′kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/05/2020 | ND | 184 | 91.8 | 200 | 4.92 | |
| DRO >C10-C28* | 85.0 | 10.0 | 06/05/2020 | ND | 187 | 93.3 | 200 | 3.63 | |
| EXT DRO >C28-C36 | 70.4 | 10.0 | 06/05/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 110 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 114 9 | 42.2-15 | 6 | | | | | | |

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | APACHE C | Corp - Hobbs | | |
|-------------------|------------|-----------|----------------|---------------------|----------------|
| | | BRUCE BA | AKER | | |
| | | 2350 W. N | MARLAND BLVD. | | |
| | | HOBBS N | M, 88240 | | |
| | | Fax To: | (575) 393-2432 | 2 | |
| Received: | 06/04/2020 | | | Sampling Date: | 06/04/2020 |
| Reported: | 06/10/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | | | |

Sample ID: W 13 (H001521-07)

| BTEX 8021B | mg | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.3 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | ′kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/05/2020 | ND | 184 | 91.8 | 200 | 4.92 | |
| DRO >C10-C28* | 35.3 | 10.0 | 06/05/2020 | ND | 187 | 93.3 | 200 | 3.63 | |
| EXT DRO >C28-C36 | 22.3 | 10.0 | 06/05/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 107 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 117 9 | 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BAK | ARLAND BLVD. | | |
|-------------------|------------|-----------|----------------|---------------------|----------------|
| | | Fax To: | (575) 393-2432 | | |
| Received: | 06/04/2020 | | | Sampling Date: | 06/04/2020 |
| Reported: | 06/10/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | | | |

Sample ID: W 14 (H001521-08)

| BTEX 8021B | mg | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.2 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | ′kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/05/2020 | ND | 184 | 91.8 | 200 | 4.92 | |
| DRO >C10-C28* | 13.0 | 10.0 | 06/05/2020 | ND | 187 | 93.3 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/05/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 106 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 116 | 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| ND | Analyte NOT DETECTED at or above the reporting limit |
|-----|---|
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500CI-B does not require samples be received at or below 6°C |

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

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 26 of 116 Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

•

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

| · Yo | in harding | | | | | |
|--|--|--|---|---|---|--------------------------------------|
| Project Manager: Bruce Baker | ken | P.C | P.O. #: | | | |
| | | Co | Company: | | | |
| City: | State: Zip: | : Attn: | 3 | | | |
| Phone #: | Fax #: | Ad | Address: | | | |
| Project #: | Project Owner: | City: | × | | | |
| Project Name: NEDU YA | | State: | ite: Zip: | | | |
| Project Location: NEUU 4A | | Ph | Phone #: | | | |
| Sampler Name: JEFF Journ | | Fax #: | C #: | | | |
| FOR LAB USE ONLY | | MATRIX | PRESERV. SAMPLING | LING | | |
| 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 CL. BTEX EXT. TPH | | |
| 1 201 | C | | 6/4/20 | 111111111111 | | |
| 2 | c | | | IHIS | | |
| 3 26 | e | | | SIL | | |
| 4 w10 | e | | | 142v | | |
| | c | | | 104/ | | |
| 6 w12 | e | | | 1422 | | |
| + 213 | 2 | | | M23 | | |
| him 8 | r | | 6 /4/20 | 1424 1 1 1 | | |
| PLEASE NOTE: Liability and Damages. Cardina's liability and clients exclusive render for any diam arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of ruse, profess of profits incurred by client, its subsidiaries, artifiates or successors arising out of or related to the performance of services hereunder by Cardinal, nearcless of whether such claim is baseddoon any of the above stated reasons or otherwise. | and client's exclusive remedy for any clain other cause whatsoever shall be deeme consequental damages, including withou mance of services hereunder by Cardina | m arising whether based in contract or tort, d waived unless made in writing and recein ut limitation, business interruptions, loss of l. regardless of whether such claim is these | shall be limited to the amount paid by the client for th ved by Cardinal within 30 days after completion of the use prioss of profils incurred by client, its subsidiarie before any of the above stated reasons or otherwise. | by the client for the completion of the applicable ant, its subsidiaries, sons or otherwise. | | |
| Relinquished By: | Time: | Received By: | | Verbal Result: □ Yes □ No Add'I Phone #: All Results are emailed. Please provide Email address: | vo Add'I Phone #: provide Email address: | |
| Relinquished By: | 0 | Received By: | | | | |
| Delivered By: (Circle One) | Observed Temp. °C | Sample Condition | CHECKED BY: (Initials) | Turnaround Time: Standard Rush | Bacteria (only) S Cool Intact | ample Condition Observed Temp. °C |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C | Yes Yes | 42 | Thermometer ID 端辺 Correction Factor その4℃単川ろ | □Yes □Yes □Nc □No | Corrected Temp. °C |

Received by OCD: 9/23/2020 11:31:25 AM

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



June 10, 2020

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

RE: NEDU 4A

Enclosed are the results of analyses for samples received by the laboratory on 06/04/20 16:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 1 (H001522-01)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.5 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 784 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/05/2020 | ND | 184 | 91.8 | 200 | 4.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/05/2020 | ND | 187 | 93.3 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/05/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 108 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 118 9 | 42.2-15 | 6 | | | | | | |

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 2 (H001522-02)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.5 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 288 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/05/2020 | ND | 184 | 91.8 | 200 | 4.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/05/2020 | ND | 187 | 93.3 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/05/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 105 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 114 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 3 (H001522-03)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.7 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/05/2020 | ND | 184 | 91.8 | 200 | 4.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/05/2020 | ND | 187 | 93.3 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/05/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 108 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 116 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 4 (H001522-04)

| BTEX 8021B | mg | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.6 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/05/2020 | ND | 184 | 91.8 | 200 | 4.92 | |
| DRO >C10-C28* | 18.6 | 10.0 | 06/05/2020 | ND | 187 | 93.3 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/05/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 105 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 113 9 | 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 5 (H001522-05)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.2 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500CI-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/05/2020 | ND | 184 | 91.8 | 200 | 4.92 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/05/2020 | ND | 187 | 93.3 | 200 | 3.63 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/05/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 104 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 112 9 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 6 (H001522-06)

| BTEX 8021B | mg/ | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | 0.192 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 110 9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 240 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | S-06 |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <50.0 | 50.0 | 06/06/2020 | ND | 190 | 94.8 | 200 | 7.81 | |
| DRO >C10-C28* | 2340 | 50.0 | 06/06/2020 | ND | 174 | 87.0 | 200 | 13.4 | QM-07 |
| EXT DRO >C28-C36 | 152 | 50.0 | 06/06/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 95.9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 157 | % 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 7 (H001522-07)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 105 | 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/06/2020 | ND | 190 | 94.8 | 200 | 7.81 | |
| DRO >C10-C28* | 658 | 10.0 | 06/06/2020 | ND | 174 | 87.0 | 200 | 13.4 | |
| EXT DRO >C28-C36 | 88.3 | 10.0 | 06/06/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 104 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 134 | 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 8 (H001522-08)

| BTEX 8021B | mg, | 'kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.5 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/06/2020 | ND | 190 | 94.8 | 200 | 7.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/06/2020 | ND | 174 | 87.0 | 200 | 13.4 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/06/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 104 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 114 9 | 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 9 (H001522-09)

| BTEX 8021B | mg, | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.3 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/kg | | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/kg | | Analyzed By: MS | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/06/2020 | ND | 190 | 94.8 | 200 | 7.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/06/2020 | ND | 174 | 87.0 | 200 | 13.4 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/06/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 105 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 113 9 | 42.2-15 | 6 | | | | | | |

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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 10 (H001522-10)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.6 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1230 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | QM-07 |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/06/2020 | ND | 190 | 94.8 | 200 | 7.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/06/2020 | ND | 174 | 87.0 | 200 | 13.4 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/06/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 98.6 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 107 | % 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 11 (H001522-11)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.5 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/06/2020 | ND | 190 | 94.8 | 200 | 7.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/06/2020 | ND | 174 | 87.0 | 200 | 13.4 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/06/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 108 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 117 9 | 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 12 (H001522-12)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.8 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 672 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/06/2020 | ND | 190 | 94.8 | 200 | 7.81 | |
| DRO >C10-C28* | 235 | 10.0 | 06/06/2020 | ND | 174 | 87.0 | 200 | 13.4 | |
| EXT DRO >C28-C36 | 40.4 | 10.0 | 06/06/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 110 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 133 9 | 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 13 (H001522-13)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.87 | 93.3 | 2.00 | 2.87 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.90 | 94.8 | 2.00 | 2.59 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 96.2 | 2.00 | 2.50 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.58 | 93.1 | 6.00 | 2.68 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.7 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1540 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/06/2020 | ND | 190 | 94.8 | 200 | 7.81 | |
| DRO >C10-C28* | 105 | 10.0 | 06/06/2020 | ND | 174 | 87.0 | 200 | 13.4 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/06/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 98.3 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 112 9 | 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



| | APACHE C | orp - Hobbs | | |
|------------|-----------|----------------|----------------|--|
| | BRUCE BA | KER | | |
| | 2350 W. M | IARLAND BLVD. | | |
| | HOBBS NM | 1, 88240 | | |
| | Fax To: | (575) 393-2432 | | |
| | | | | |
| 06/04/2020 | | | Sampling Date: | |

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 14 (H001522-14)

| BTEX 8021B | mg/ | 'kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.97 | 98.5 | 2.00 | 2.32 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.91 | 95.7 | 2.00 | 2.45 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 95.9 | 2.00 | 2.34 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.55 | 92.5 | 6.00 | 2.48 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.4 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | 'kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/06/2020 | ND | 190 | 94.8 | 200 | 7.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/06/2020 | ND | 174 | 87.0 | 200 | 13.4 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/06/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.5 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 104 9 | 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 15 (H001522-15)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.97 | 98.5 | 2.00 | 2.32 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.91 | 95.7 | 2.00 | 2.45 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 95.9 | 2.00 | 2.34 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.55 | 92.5 | 6.00 | 2.48 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.6 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1170 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/06/2020 | ND | 190 | 94.8 | 200 | 7.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/06/2020 | ND | 174 | 87.0 | 200 | 13.4 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/06/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 104 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 114 9 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 16 (H001522-16)

| BTEX 8021B | mg, | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.97 | 98.5 | 2.00 | 2.32 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.91 | 95.7 | 2.00 | 2.45 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 95.9 | 2.00 | 2.34 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.55 | 92.5 | 6.00 | 2.48 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.4 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | ′kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/06/2020 | ND | 190 | 94.8 | 200 | 7.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/06/2020 | ND | 174 | 87.0 | 200 | 13.4 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/06/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 104 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 115 9 | 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 17 (H001522-17)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.97 | 98.5 | 2.00 | 2.32 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.91 | 95.7 | 2.00 | 2.45 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 95.9 | 2.00 | 2.34 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.55 | 92.5 | 6.00 | 2.48 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.3 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/06/2020 | ND | 190 | 94.8 | 200 | 7.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/06/2020 | ND | 174 | 87.0 | 200 | 13.4 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/06/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 99.7 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 108 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 18 (H001522-18)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.97 | 98.5 | 2.00 | 2.32 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.91 | 95.7 | 2.00 | 2.45 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 95.9 | 2.00 | 2.34 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.55 | 92.5 | 6.00 | 2.48 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.6 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/06/2020 | ND | 190 | 94.8 | 200 | 7.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/06/2020 | ND | 174 | 87.0 | 200 | 13.4 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/06/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 85.2 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 92.8 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 19 (H001522-19)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.97 | 98.5 | 2.00 | 2.32 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.91 | 95.7 | 2.00 | 2.45 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 95.9 | 2.00 | 2.34 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.55 | 92.5 | 6.00 | 2.48 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/06/2020 | ND | 190 | 94.8 | 200 | 7.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/06/2020 | ND | 174 | 87.0 | 200 | 13.4 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/06/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 99.4 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 109 | % 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 20 (H001522-20)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.97 | 98.5 | 2.00 | 2.32 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.91 | 95.7 | 2.00 | 2.45 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 95.9 | 2.00 | 2.34 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.55 | 92.5 | 6.00 | 2.48 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.7 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/06/2020 | ND | 190 | 94.8 | 200 | 7.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/06/2020 | ND | 174 | 87.0 | 200 | 13.4 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/06/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 108 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 123 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 21 (H001522-21)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.97 | 98.5 | 2.00 | 2.32 | |
| Toluene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.91 | 95.7 | 2.00 | 2.45 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/05/2020 | ND | 1.92 | 95.9 | 2.00 | 2.34 | |
| Total Xylenes* | <0.150 | 0.150 | 06/05/2020 | ND | 5.55 | 92.5 | 6.00 | 2.48 | |
| Total BTEX | <0.300 | 0.300 | 06/05/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 98.0 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/06/2020 | ND | 190 | 94.8 | 200 | 7.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/06/2020 | ND | 174 | 87.0 | 200 | 13.4 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/06/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 100 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 110 9 | 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 22 (H001522-22)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/06/2020 | ND | 1.99 | 99.6 | 2.00 | 0.880 | |
| Toluene* | <0.050 | 0.050 | 06/06/2020 | ND | 1.94 | 96.9 | 2.00 | 0.901 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/06/2020 | ND | 1.96 | 98.1 | 2.00 | 0.890 | |
| Total Xylenes* | <0.150 | 0.150 | 06/06/2020 | ND | 5.65 | 94.2 | 6.00 | 1.12 | |
| Total BTEX | <0.300 | 0.300 | 06/06/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.0 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg, | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/06/2020 | ND | 190 | 94.8 | 200 | 7.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/06/2020 | ND | 174 | 87.0 | 200 | 13.4 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/06/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 93.9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 105 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/04/2020 | Sampling Date: | 06/04/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/10/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Kelly Jacobson |
| Project Location: | NONE GIVEN | | |

Sample ID: B 23 (H001522-23)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/06/2020 | ND | 1.99 | 99.6 | 2.00 | 0.880 | |
| Toluene* | <0.050 | 0.050 | 06/06/2020 | ND | 1.94 | 96.9 | 2.00 | 0.901 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/06/2020 | ND | 1.96 | 98.1 | 2.00 | 0.890 | |
| Total Xylenes* | <0.150 | 0.150 | 06/06/2020 | ND | 5.65 | 94.2 | 6.00 | 1.12 | |
| Total BTEX | <0.300 | 0.300 | 06/06/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.4 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 06/08/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/06/2020 | ND | 190 | 94.8 | 200 | 7.81 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/06/2020 | ND | 174 | 87.0 | 200 | 13.4 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/06/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 108 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 125 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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. |
|-------|--|
| 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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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Laboratories

Page 52 of 116

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| hallahenm com | v.keene@cardii | nges to cele | . Please email cha | Cardinal cannot accept verbal changes. Please email changes to celev keene@cardinallabsnm com | † Cardinal car | | |
|--|-------------------------|--------------------------|-------------------------------------|--|---|--|--|
| | Correction Factor ±04°C | Correction Fac | | No No | | 0 7 3 0 | |
| | Rush | Thermometer | (Initials) | Cool Intact | Corrected Temp. °C | - Bus - Other: | Sampler - UPS - |
| | | Turnaround Time: | CHECKED BY: | Sample Condition | Observed Temp. °C | Circle One) | Delivered By: (Circle One) |
| | | | | 0 | Time: | | |
| | | REMARKS: | | Received By: | Date: In F | υν. | Relifiquistied by. |
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| All Results are emailed. Please provide Email address: | ire emailed. Plea | All Results are | | All I | 0/2/20 | N |) m/c |
| L | | Vorbol Door | Vorbol Boo | | | By: | Relinguished By: |
| | | client, its subsidiaries | use, or loss of profits incurred by | affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, recardings of the services arising out of or related to the performance of services hereunder by Cardinal, recardings of the hereunder by cleant, its subsidiarines, | erformance of services hereunder by Care | affiliates or successors arising out of or related to the performance of | affiliates or successors a |
| | applicable | ter completion of the a | ed by Cardinal within 30 days af | analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or conservices individuo within a transmission of the applicable service. | I any other cause whatsoever shall be dee | Iding those for negligence and Cardinal be liable for incident | analyses. All claims inclu service. In no event shall |
| | 7 | 1065 | shall be limited to the price | PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, that he impact the contract of the limit and the contract of the limit are the contract of the contract of the limit are the contract of | ility and client's exclusive remedy for any | and Damages, Cardinal's liab | PLEASE NOTE: Liability |
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| | | SAMPLING | PRESERV. SAI | | | | FOR LAB USE ONLY |
| | | 1.00 | Fax #: | 8 | | e: J. Knum | Sampler Name: |
| | | | Phone #: | PT | -1H | NEDU | Project Location: |
| | | | State: Zip: | St | . 1) | NEDU | Project Name: |
| | (| | Y: | City: | Project Owner: | | Project #: |
| | | | Address: | Ac | Fax #: | | Phone #: |
| | | | Ä | Zip: Attn: | State: | | City: |
| | | | Company: | Co | | | Address: |
| | | | P.O. #: | P. | Baken | ger: Bruce | Project Manager: |
| ANALYSIS REQUEST | | 9 | BILL TO | | Corporation | ne: Caparla | Company Name: |

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Page 53 of 116 Page 27 of 28 D C boratories RDIN

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

•

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

| Company Namo: | | | | | |
|--|--|--|---|---|---|
| Project Manager: | | # C d | # 0/FF / C | | ANALISIS REQUESI |
| Address: | | Com | Company: | | |
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| Project #: | Project Owner: | City: | | | |
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| Sampler Name: | | Fax #: | 77- | | |
| FOR LAB USE ONLY | ИР. | MATRIX | PRESERV. SAMPLING | ۵ | |
| Lab I.D. Sam | (G)RAB OR (C)OMF # CONTAINERS | GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: | ICE / COOL OTHER : DATE | TIME CL BTEX EXI.TPH | |
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| Relinquished By: | Date: 6/4/20 Time: | ed By: | All Results | are | □ Yes □ No Add'l Phone #: emailed. Please provide Email address: |
| Relinquished By: | 20 | Received By: | 21 | REMARKS: | |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | Observed Temp. °C | Sample Condition Cool Intact | CHECKED BY: Tu (Initials) Th | Turnaround Time: Standard Thermometer ID #97 | Jard ☐ Bacteria (only) Sample Condition ☐ Cool Intact Observed Temp. °C ☐ Yes ☐ Yes |
| FORM-000 R S.O | | | | Correction Factor ter C # 11) | |

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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| 6/G) | 575) 393-2326 FAX (575) 393-2476 | 4/6 | | | | | | | | | | | | | | | | | | | | | L | L | L | | | | | | | | | L | | 10 |
|---|--|---|--------------------------------|------------------------------------|---------------------------------|----------------------------|-----------------------------------|-----------------------------------|--------------------|---------------------------|---------------------------|-------------------------------|--------------------------|----------------------------|---|---|--|-----------------------------------|---|----------|------------------|-------------------------------------|-------|------|-------------|------|-------------------|--------|---------|--------------------|--|-----|-----|------|---|--|
| Company Name: On | ache Corobination | | | | | | | | | | | D | 11 | L | BILL TO | | | | | | | ANALYSIS | E | S | S | R | E | č | REQUEST | | ł | 1 | ł | | 1 | |
| Project Manager: | rue Baken | | | | | | | | P.O. | 0 | # | | | | | | | | | | | | | | | | | | _ | | | | | | | |
| Address: | | | | | | | | | C | Ĕ | Company: | ١Ÿ: | | | | | | | | | | | | | | | | | | | | | | | | |
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| Phone #: | Fax #: | | | | | | | | A | dr | Address: | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project #: | Project Owner: | | | | | | | | Ω | City: | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: NEJU | n YA | | | | | | | | ŝ | State: | | [| 157765 | Zip: | Ä | | | | | | | | | | | | | | | | _ | | | | | |
| Project Location: No | NEOU YA | | | | | | | | P | lor | Phone #: | | | | | | | | | | | | _ | | | | | | | | | | | | | And in case of the local division of the loc |
| \sim | hum | | | | | | | | Fa | Fax #: | 71 | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | 1P. | | | | MATRIX | RIX | | | P | PRESERV. | щ | ~ | | SAN | SAMPLING | 47 | | | | | | | | | | | | | | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OM | # CONTAINERS | GROUNDWATER | WASTEWATER | SOIL | OIL | SLUDGE | OTHER : | ACID/BASE: | | ICE / COOL | OTHER : | | DATE | - H | TIME | CL- | BTEX | EXT. TAH | | | | | | | | | | | | | | | | |
| 189 12 1001 | | 00 | | | | | | | | | | | | 6 | 14/22 | 1014 | 7-5 | ~ | N. | - ~ | | | | | | | | | | | | | | | | |
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| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | other: Corrected Temp. °C | n n | | | Sample Condition Cool Intact | Ye | S BUN | Act | tion | - | ~ | H | nit CK | (Initials) | CHECKED BY: | Turi | Turnaround Time: | er ID | ne: Standard | Rus | Standard Rush | | - | | i l Yes | | only ot Yes | S (S | Obs | serv | Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Lytes Yes | Ter | np. | റ്റ് | | |
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Page 54 of 116



June 22, 2020

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

RE: NEDU 4A

Enclosed are the results of analyses for samples received by the laboratory on 06/16/20 15:53.

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

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

| Method SM 9223-B | Total Coliform and E. coli (Colilert MMO-MUG) |
|------------------|---|
| Method EPA 524.2 | Regulated VOCs and Total Trihalomethanes (TTHM) |
| Method EPA 552.2 | Total Haloacetic Acids (HAA-5) |

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



| APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 | Project: NEDU 4A Project Number: NONE GIVEN Project Manager: BRUCE BAKER Fax To: (575) 393-2432 | Reported: 22-Jun-20 11:38 |
|---|--|------------------------------|
|---|--|------------------------------|

| Sample ID | Laboratory ID | Matrix | Date Sampled | Date Received |
|-----------|---------------|--------|-----------------|-----------------|
| W 2 | H001598-01 | Soil | 16-Jun-20 09:35 | 16-Jun-20 15:53 |
| W 3 | H001598-02 | Soil | 16-Jun-20 12:16 | 16-Jun-20 15:53 |
| W 4 | H001598-03 | Soil | 16-Jun-20 09:37 | 16-Jun-20 15:53 |
| W 7 | H001598-04 | Soil | 16-Jun-20 11:24 | 16-Jun-20 15:53 |
| W 8 | H001598-05 | Soil | 16-Jun-20 10:00 | 16-Jun-20 15:53 |
| W 9 | H001598-06 | Soil | 16-Jun-20 10:01 | 16-Jun-20 15:53 |
| W 15 | H001598-07 | Soil | 16-Jun-20 10:50 | 16-Jun-20 15:53 |
| W 16 | H001598-08 | Soil | 16-Jun-20 10:51 | 16-Jun-20 15:53 |
| W 17 | H001598-09 | Soil | 16-Jun-20 12:16 | 16-Jun-20 15:53 |

06/22/20 - Client changed the name of the project via email. This is the revised report and will replace the one sent on 06/18/20.

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

| APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 | | | Project Num Project Mana | ger: BRL | NE GIVEN | 2 | | : | Reported: 22-Jun-20 11:3 | 38 |
|---|------------|------|-----------------------------|-------------------|----------|---------|---------|-----------|-----------------------------|-------|
| | | | H0015 | W 2 598-01 (Se | oil) | | | | | |
| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
| | | | Cardina | l Laborat | tories | | | | | |
| Inorganic Compounds | | | | | | | | | | |
| Chloride | 112 | | 16.0 | mg/kg | 4 | 0061808 | GM | 18-Jun-20 | 4500-Cl-B | |
| Volatile Organic Compounds by 1 | EPA Method | 8021 | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (PID) | | | 104 % | 73.3 | -129 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Petroleum Hydrocarbons by GC | FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 128 % | 44.3 | -144 | 0061611 | MS | 17-Jun-20 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 144 % | 42.2 | -156 | 0061611 | MS | 17-Jun-20 | 8015B | |

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Celeg D. Keine



| APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 | Project:NEDU 4AReported:Project Number:NONE GIVEN22-Jun-20 11:38Project Manager:BRUCE BAKERFax To:(575) 393-2432 | | | | | | | | | | |
|---|--|------|--------------------|-------------------|----------|---------|---------|---------------------|-----------|-------|--|
| | | | H001 | W 3 598-02 (Se | oil) | | | | | | |
| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes | |
| | | | Cardina | al Laborat | ories | | | | | | |
| Inorganic Compounds Chloride | 64.0 | | 16.0 | mg/kg | 4 | 0061808 | GM | 18-Jun-20 | 4500-Cl-B | | |
| | | | 10.0 | mg/kg | - | 0001808 | GW | 18 -Ju ii-20 | 4500-CI-B | | |
| Volatile Organic Compounds b | | 8021 | | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Surrogate: 4-Bromofluorobenzene (PID) | | | 106 % | 73.3 | -129 | 0061709 | MS | 17 - Jun-20 | 8021B | | |
| Petroleum Hydrocarbons by G | C FID | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| Surrogate: 1-Chlorooctane | | | 127 % | 44.3 | -144 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| Surrogate: 1-Chlorooctadecane | | | 141 % | 42.2 | -156 | 0061611 | MS | 17-Jun-20 | 8015B | | |

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| APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 | | 2 | Reported: 22-Jun-20 11:38 | | | | | | | |
|---|-----------------|------|------------------------------|-------------------|----------|---------|---------|-----------|-----------|-------|
| | | | H001 | W 4 598-03 (Se | oil) | | | | | |
| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
| | | | Cardina | ıl Laborat | tories | | | | | |
| Inorganic Compounds | | | | | | | | | | |
| Chloride | 272 | | 16.0 | mg/kg | 4 | 0061808 | GM | 18-Jun-20 | 4500-Cl-B | |
| Volatile Organic Compounds b | oy EPA Method 8 | 8021 | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (PID) | | | 106 % | 73.3 | -129 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Petroleum Hydrocarbons by G | C FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 126 % | 44.3 | -144 | 0061611 | MS | 17-Jun-20 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 140 % | 42.2 | -156 | 0061611 | MS | 17-Jun-20 | 8015B | |

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Celeg D. Keine



| APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 | Project:NEDU 4AReported:Project Number:NONE GIVEN22-Jun-20 11:38Project Manager:BRUCE BAKERFax To:(575) 393-2432 | | | | | | | | | | |
|---|--|------|--------------------|-------------------|----------|---------|---------|------------|-----------|-------|--|
| | | | H001 | W 7 598-04 (Se | oil) | | | | | | |
| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes | |
| | | | Cardina | al Laborat | tories | | | | | | |
| Inorganic Compounds | 448 | | 16.0 | mg/kg | 4 | 0061808 | GM | 18-Jun-20 | 4500-Cl-B | | |
| Chloride | | | 10.0 | iiig/kg | 4 | 0001808 | GW | 18-Juli-20 | 4300-СІ-В | | |
| Volatile Organic Compounds b | y EPA Method | 8021 | | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Surrogate: 4-Bromofluorobenzene (PID) | | | 105 % | 73.3 | -129 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Petroleum Hydrocarbons by G | C FID | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| Surrogate: 1-Chlorooctane | | | 131 % | 44.3 | -144 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| Surrogate: 1-Chlorooctadecane | | | 147 % | 42.2 | -156 | 0061611 | MS | 17-Jun-20 | 8015B | | |

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Celeg D. Keine

| APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 | | Project: NEDU 4A Project Number: NONE GIVEN Project Manager: BRUCE BAKER Fax To: (575) 393-2432 | | | | | | | | | |
|---|--------------|--|--------------------|-------------------|----------|---------|---------|-----------|-----------|-------|--|
| | | | H001 | W 8 598-05 (Se | oil) | | | | | | |
| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes | |
| | | | Cardina | al Laborat | tories | | | | | | |
| Inorganic Compounds | | | | | | | | | | | |
| Chloride | 144 | | 16.0 | mg/kg | 4 | 0061808 | GM | 18-Jun-20 | 4500-Cl-B | | |
| Volatile Organic Compounds b | y EPA Method | 8021 | | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Surrogate: 4-Bromofluorobenzene (PID) | | | 106 % | 73.3 | -129 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Petroleum Hydrocarbons by G | C FID | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| Surrogate: 1-Chlorooctane | | | 122 % | 44.3 | -144 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| Surrogate: 1-Chlorooctadecane | | | 136 % | 42.2 | -156 | 0061611 | MS | 17-Jun-20 | 8015B | | |

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Celeg D. Keine



| APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 | Project:NEDU 4AReported:Project Number:NONE GIVEN22-Jun-20 11:38Project Manager:BRUCE BAKERFax To:(575) 393-2432 | | | | | | | | | | |
|---|--|------|--------------------|-------------------|----------|---------|---------|------------|-----------|-------|--|
| | | | H001 | W 9 598-06 (Se | oil) | | | | | | |
| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes | |
| | | | Cardina | al Laborat | tories | | | | | | |
| Inorganic Compounds | 16.0 | | 16.0 | mg/kg | 4 | 0061809 | GM | 18-Jun-20 | 4500-Cl-B | | |
| Chloride | | | 16.0 | mg/kg | 4 | 0001809 | GM | 18-Juli-20 | 4300-СІ-В | | |
| Volatile Organic Compounds b | | 8021 | | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Surrogate: 4-Bromofluorobenzene (PID) | | | 106 % | 73.3 | -129 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Petroleum Hydrocarbons by G | C FID | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| Surrogate: 1-Chlorooctane | | | 119 % | 44.3 | -144 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| Surrogate: 1-Chlorooctadecane | | | 132 % | 42.2 | -156 | 0061611 | MS | 17-Jun-20 | 8015B | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

| APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 | | | Reported: 22-Jun-20 11:38 | | | | | | | |
|---|---------------|------|------------------------------|--------------------|----------|---------|---------|-----------|-----------|-------|
| | | | H001 | W 15 598-07 (Se | oil) | | | | | |
| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
| | | | Cardina | al Laborat | tories | | | | | |
| Inorganic Compounds | | | | | | | | | | |
| Chloride | 64.0 | | 16.0 | mg/kg | 4 | 0061809 | GM | 18-Jun-20 | 4500-Cl-B | |
| Volatile Organic Compounds b | oy EPA Method | 8021 | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (PID) | | | 106 % | 73.3 | -129 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Petroleum Hydrocarbons by G | C FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 125 % | 44.3 | -144 | 0061611 | MS | 17-Jun-20 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 140 % | 42.2 | -156 | 0061611 | MS | 17-Jun-20 | 8015B | |

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| APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 | | 2 | Reported: 22-Jun-20 11:38 | | | | | | | |
|---|----------------|------|------------------------------|--------------------|----------|---------|---------|-----------|-----------|-------|
| | | | H001 | W 16 598-08 (Se | oil) | | | | | |
| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes |
| | | | Cardina | l Laborat | tories | | | | | |
| Inorganic Compounds | | | | | | | | | | |
| Chloride | <16.0 | | 16.0 | mg/kg | 4 | 0061809 | GM | 18-Jun-20 | 4500-Cl-B | |
| Volatile Organic Compounds b | y EPA Method 8 | 3021 | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Surrogate: 4-Bromofluorobenzene (PID) | | | 104 % | 73.3 | -129 | 0061709 | MS | 17-Jun-20 | 8021B | |
| Petroleum Hydrocarbons by G | C FID | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | |
| Surrogate: 1-Chlorooctane | | | 129 % | 44.3 | -144 | 0061611 | MS | 17-Jun-20 | 8015B | |
| Surrogate: 1-Chlorooctadecane | | | 146 % | 42.2 | -156 | 0061611 | MS | 17-Jun-20 | 8015B | |

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Celeg D. Keine

| APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 | Project:NEDU 4AReported:Project Number:NONE GIVEN22-Jun-20 11:38Project Manager:BRUCE BAKERFax To:(575) 393-2432 | | | | | | | | | | |
|---|--|------|--------------------|--------------------|----------|---------|---------|-----------|-----------|-------|--|
| | | | H001 | W 17 598-09 (Se | oil) | | | | | | |
| Analyte | Result | MDL | Reporting Limit | Units | Dilution | Batch | Analyst | Analyzed | Method | Notes | |
| | | | Cardina | al Laborat | tories | | | | | | |
| Inorganic Compounds Chloride | 128 | | 16.0 | mg/kg | 4 | 0061809 | GM | 18-Jun-20 | 4500-Cl-B | | |
| Volatile Organic Compounds by | y EPA Method | 8021 | | | | | | | | | |
| Benzene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Toluene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Ethylbenzene* | < 0.050 | | 0.050 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Total Xylenes* | < 0.150 | | 0.150 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Total BTEX | < 0.300 | | 0.300 | mg/kg | 50 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Surrogate: 4-Bromofluorobenzene (PID) | | | 106 % | 73.3 | -129 | 0061709 | MS | 17-Jun-20 | 8021B | | |
| Petroleum Hydrocarbons by G | C FID | | | | | | | | | | |
| GRO C6-C10* | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| DRO >C10-C28* | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| EXT DRO >C28-C36 | <10.0 | | 10.0 | mg/kg | 1 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| Surrogate: 1-Chlorooctane | | | 129 % | 44.3 | -144 | 0061611 | MS | 17-Jun-20 | 8015B | | |
| Surrogate: 1-Chlorooctadecane | | | 144 % | 42.2 | -156 | 0061611 | MS | 17-Jun-20 | 8015B | | |

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Celeg D. Keine



| | Project: Project Number: Project Manager: | | Reported: 22-Jun-20 11:38 |
|--|---|----------------|------------------------------|
| | Fax To: | (575) 393-2432 | |

Inorganic Compounds - Quality Control

Cardinal Laboratories

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|------------------------------|--------|-----------|-------|------------|-------------|-----------|--------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 0061808 - 1:4 DI Water | | | | | | | | | | |
| Blank (0061808-BLK1) | | | | Prepared & | k Analyzed: | 18-Jun-20 | | | | |
| Chloride | ND | 16.0 | mg/kg | | | | | | | |
| LCS (0061808-BS1) | | | | Prepared & | analyzed: | 18-Jun-20 | | | | |
| Chloride | 432 | 16.0 | mg/kg | 400 | | 108 | 80-120 | | | |
| LCS Dup (0061808-BSD1) | | | | Prepared & | z Analyzed: | 18-Jun-20 | | | | |
| Chloride | 432 | 16.0 | mg/kg | 400 | | 108 | 80-120 | 0.00 | 20 | |
| Batch 0061809 - 1:4 DI Water | | | | | | | | | | |
| Blank (0061809-BLK1) | | | | Prepared & | k Analyzed: | 18-Jun-20 | | | | |
| Chloride | ND | 16.0 | mg/kg | | | | | | | |
| LCS (0061809-BS1) | | | | Prepared & | k Analyzed: | 18-Jun-20 | | | | |
| Chloride | 400 | 16.0 | mg/kg | 400 | | 100 | 80-120 | | | |
| LCS Dup (0061809-BSD1) | | | | Prepared & | k Analyzed: | 18-Jun-20 | | | | |
| Chloride | 416 | 16.0 | mg/kg | 400 | | 104 | 80-120 | 3.92 | 20 | |
| | | | | | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| APACHE CORP - HOBBS 2350 W. MARLAND BLVD. | Project Number: | | Reported: 22-Jun-20 11:38 |
|--|------------------|----------------|------------------------------|
| HOBBS NM, 88240 | Project Manager: | | |
| | Fax 10: | (575) 393-2432 | |

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---------------------------------------|--------|-----------|-------|------------|-----------|-----------|----------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 0061709 - Volatiles | | | | | | | | | | |
| Blank (0061709-BLK1) | | | | Prepared & | Analyzed: | 17-Jun-20 | | | | |
| Benzene | ND | 0.050 | mg/kg | | | | | | | |
| Toluene | ND | 0.050 | mg/kg | | | | | | | |
| Ethylbenzene | ND | 0.050 | mg/kg | | | | | | | |
| Total Xylenes | ND | 0.150 | mg/kg | | | | | | | |
| Total BTEX | ND | 0.300 | mg/kg | | | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0523 | | mg/kg | 0.0500 | | 105 | 73.3-129 | | | |
| LCS (0061709-BS1) | | | | Prepared & | Analyzed: | 17-Jun-20 | | | | |
| Benzene | 1.93 | 0.050 | mg/kg | 2.00 | | 96.7 | 72.2-131 | | | |
| Toluene | 1.83 | 0.050 | mg/kg | 2.00 | | 91.5 | 71.7-126 | | | |
| Ethylbenzene | 1.82 | 0.050 | mg/kg | 2.00 | | 91.1 | 68.9-126 | | | |
| Total Xylenes | 5.28 | 0.150 | mg/kg | 6.00 | | 88.1 | 71.4-125 | | | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0523 | | mg/kg | 0.0500 | | 105 | 73.3-129 | | | |
| LCS Dup (0061709-BSD1) | | | | Prepared & | Analyzed: | 17-Jun-20 | | | | |
| Benzene | 2.15 | 0.050 | mg/kg | 2.00 | | 107 | 72.2-131 | 10.4 | 14.6 | |
| Toluene | 2.00 | 0.050 | mg/kg | 2.00 | | 99.9 | 71.7-126 | 8.71 | 17.4 | |
| Ethylbenzene | 1.96 | 0.050 | mg/kg | 2.00 | | 98.2 | 68.9-126 | 7.50 | 18.9 | |
| Total Xylenes | 5.68 | 0.150 | mg/kg | 6.00 | | 94.7 | 71.4-125 | 7.23 | 18.5 | |
| Surrogate: 4-Bromofluorobenzene (PID) | 0.0523 | | mg/kg | 0.0500 | | 105 | 73.3-129 | | | |
| | | | | | | | | | | |

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*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



| APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 | Project: NEE Project Number: NOI Project Manager: BRL Fax To: (57! | ne given Jce baker | Reported: 22-Jun-20 11:38 |
|---|---|-----------------------|------------------------------|
|---|---|-----------------------|------------------------------|

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

| | | Reporting | | Spike | Source | | %REC | | RPD | |
|---|--------|-----------|-------|-------------|--------------|------------|----------|------|-------|-------|
| Analyte | Result | Limit | Units | Level | Result | %REC | Limits | RPD | Limit | Notes |
| Batch 0061611 - General Prep - Organics | | | | | | | | | | |
| Blank (0061611-BLK1) | | | | Prepared: 1 | l 6-Jun-20 A | nalyzed: 1 | 7-Jun-20 | | | |
| GRO C6-C10 | ND | 10.0 | mg/kg | | | | | | | |
| DRO >C10-C28 | ND | 10.0 | mg/kg | | | | | | | |
| EXT DRO >C28-C36 | ND | 10.0 | mg/kg | | | | | | | |
| Surrogate: 1-Chlorooctane | 55.6 | | mg/kg | 50.0 | | 111 | 44.3-144 | | | |
| Surrogate: 1-Chlorooctadecane | 62.1 | | mg/kg | 50.0 | | 124 | 42.2-156 | | | |
| LCS (0061611-BS1) | | | | Prepared: 1 | l 6-Jun-20 A | nalyzed: 1 | 7-Jun-20 | | | |
| GRO C6-C10 | 220 | 10.0 | mg/kg | 200 | | 110 | 78.8-127 | | | |
| DRO >C10-C28 | 237 | 10.0 | mg/kg | 200 | | 118 | 80-132 | | | |
| Total TPH C6-C28 | 457 | 10.0 | mg/kg | 400 | | 114 | 81.3-128 | | | |
| Surrogate: 1-Chlorooctane | 63.3 | | mg/kg | 50.0 | | 127 | 44.3-144 | | | |
| Surrogate: 1-Chlorooctadecane | 70.8 | | mg/kg | 50.0 | | 142 | 42.2-156 | | | |
| LCS Dup (0061611-BSD1) | | | | Prepared: 1 | l 6-Jun-20 A | nalyzed: 1 | 7-Jun-20 | | | |
| GRO C6-C10 | 205 | 10.0 | mg/kg | 200 | | 103 | 78.8-127 | 6.84 | 15.1 | |
| DRO >C10-C28 | 230 | 10.0 | mg/kg | 200 | | 115 | 80-132 | 2.94 | 17.1 | |
| Total TPH C6-C28 | 435 | 10.0 | mg/kg | 400 | | 109 | 81.3-128 | 4.80 | 15 | |
| Surrogate: 1-Chlorooctane | 66.0 | | mg/kg | 50.0 | | 132 | 44.3-144 | | | |
| Surrogate: 1-Chlorooctadecane | 70.7 | | mg/kg | 50.0 | | 141 | 42.2-156 | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| ND | Analyte NOT DETECTED at or above the reporting limit |
|-----|---|
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C |

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

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Celey D. Keene, Lab Director/Quality Manager

Laboratories

Page 70 of 116

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| (575) 393-2326 | FAA (212) 223-2410 | | BILL TO | | | | ANALYSIS RE | REQUEST | |
|---|--|---|---|--|----------|------------|--|-------------------------------------|---------------------|
| Company Name. alache | (perfortant) | P.O. #: | | | | | | | |
| Project Manager: Juun U | ALLA | Company: | nv. | | | | | | |
| Address: | | Aller: 1 | | | | | | | |
| City: | State: 21p: | | | | | | | | |
| Phone #: | Fax #: | Address | S | | | - | | | |
| Project #: | Project Owner: | City: | | | 2 | | | | |
| | TITU NENI JA | State: | Zip: | | | | | | |
| Project Name: Libour J/ | | Dhone | ŧ | _ | | | | | |
| Project Location: 2004 3. | I DEA NEDU HI | Phone | | | | | | | |
| Sampler Name: J. Rouan | | Fax #: | 1 | 1 | | | | | _ |
| - 0 | | MATRIX PRE | PRESERV. SAMPLING | G | | | | | |
| FOR LAB USE ONLY | the second second | | | | | OH | | | _ |
| Lab I.D. Sample I.D. | PRAB OR (C)O | ROUNDWATER ASTEWATER DIL IL LUDGE THER : CID/BASE: | THER : | CL- | BTEX | EXT. TH | | | |
| Hooisas | | S O S | 0 cc/21/2 | V 5660 | V v | - / | | | |
| 000 | 2 | | 6/ 1 | 1216 | | | | | |
| 2 11 2 | C 1 | | 0 | 12530 | - | | | | |
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| 4 20 1 | ~ | | of 10 | 1000 | | | | | |
| S M S | ~ | | 10 | 1001 | | | | | |
| 6 WT | ~ | | // | 1050 | | | | | |
| 1 wis | | | 1 | 1151 | _ | | | | |
| 910 8 | | | 1/4/2 12 | V 9161 | ~ | ~ | | | |
| 9 217 | 0 | | | | | | | | |
| PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the applicable pLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the applicable pLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the applicable pLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in writing and received by Cardinal within 30 days after completion to the applicable pLEASE NOTE: Liability and Damages. | y and client's exclusive remedy for any claim ari | tent's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the clent for the review whatsnews shall be deemed waived unless made in willing and received by Cardinal within 30 days after completion of the review whatsnews reliable to the second s | all be limited to the amount paid by by Cardinal within 30 days after con | he client for the npletion of the appli | cable | | | | |
| analyses. All claims including trobe to in representation of consequential damages, including without limitation, business interruptions, loss of use, or loss or provide interruptions, loss of use, or loss or loss of use, or loss of | or consequental damages, including without limitation, busin comence of services hereunder by Cardinal, regardless of w | nitation, business interruptions, loss of use gardless of whether such claim is based u | por any of the above stated reason | s or otherwise. | | | Add'l Phone #: | | |
| affiliates or successors arising out of or related to the person Relinquished By: | Date: 6/16/22 Rece | Received By: | A | All Results are | emailed. | Please pro | All Results are emailed. Please provide Email address: | n | |
| THE Know | Time: S | 111 | | EMADKS: | | • | | 01 (1) | 120 (1 |
| Relinquished By: | | Received By: | | * Project | | chan | fer as per s | came changed as per sett. Or cores. | |
| | Observed Temp. °C | Sample Condition | CHECKED BY: TI | Turnaround Time: | | Standard | y | Bacteria (only) Sample Condition | ndition Temp. °C |
| Delivered By: (Circle One) | Corrected Temp. °C | Cool Intact | | Thermometer ID . #97 Correction Factor - 8. | 10.1 | Rush | | 1 | Temp. °C |
| FORM-000 N 3.0 | † Cardinal cannot | Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com | . Please email chang | es to celey. | keene@c | ardinalla | bsnm.com | | |

Received by OCD: 9/23/2020 11:31:25 AM



June 24, 2020

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

RE: NEDU 4A

Enclosed are the results of analyses for samples received by the laboratory on 06/19/20 13:54.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



| | | BRUCE BA | 1arland BLVD. | | |
|-------------------|------------|----------|----------------|---------------------|----------------|
| | | Fax To: | (575) 393-2432 | 2 | |
| Received: | 06/19/2020 | | | Sampling Date: | 06/19/2020 |
| Reported: | 06/24/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Tamara Oldaker |
| Project Location: | NEDU 4A | | | | |

Sample ID: W 18 (H001635-01)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.72 | |
| Toluene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.99 | 99.5 | 2.00 | 5.62 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2020 | ND | 5.80 | 96.6 | 6.00 | 5.46 | |
| Total BTEX | <0.300 | 0.300 | 06/22/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 95.6 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 64.0 | 16.0 | 06/22/2020 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/20/2020 | ND | 216 | 108 | 200 | 7.38 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/20/2020 | ND | 220 | 110 | 200 | 6.73 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/20/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 111 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 122 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BA | 1arland BLVD. | | |
|-------------------|------------|----------|----------------|---------------------|----------------|
| | | Fax To: | (575) 393-2432 | 2 | |
| Received: | 06/19/2020 | | | Sampling Date: | 06/19/2020 |
| Reported: | 06/24/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Tamara Oldaker |
| Project Location: | NEDU 4A | | | | |

Sample ID: W 19 (H001635-02)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.72 | |
| Toluene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.99 | 99.5 | 2.00 | 5.62 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2020 | ND | 5.80 | 96.6 | 6.00 | 5.46 | |
| Total BTEX | <0.300 | 0.300 | 06/22/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 95.9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 06/22/2020 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/20/2020 | ND | 216 | 108 | 200 | 7.38 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/20/2020 | ND | 220 | 110 | 200 | 6.73 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/20/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 116 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 127 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BA | 1arland BLVD. | | |
|-------------------|------------|----------|----------------|---------------------|----------------|
| | | Fax To: | (575) 393-2432 | 2 | |
| Received: | 06/19/2020 | | | Sampling Date: | 06/19/2020 |
| Reported: | 06/24/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Tamara Oldaker |
| Project Location: | NEDU 4A | | | | |

Sample ID: W 20 (H001635-03)

| BTEX 8021B | mg, | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.72 | |
| Toluene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.99 | 99.5 | 2.00 | 5.62 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2020 | ND | 5.80 | 96.6 | 6.00 | 5.46 | |
| Total BTEX | <0.300 | 0.300 | 06/22/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 95.7 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | ′kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 06/22/2020 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/20/2020 | ND | 216 | 108 | 200 | 7.38 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/20/2020 | ND | 220 | 110 | 200 | 6.73 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/20/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 116 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 125 | 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BA | iarland BLVD. | | |
|-------------------|------------|----------|----------------|---------------------|----------------|
| | | Fax To: | (575) 393-2432 | 2 | |
| Received: | 06/19/2020 | | | Sampling Date: | 06/19/2020 |
| Reported: | 06/24/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Tamara Oldaker |
| Project Location: | NEDU 4A | | | | |

Sample ID: W 21 (H001635-04)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.72 | |
| Toluene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.99 | 99.5 | 2.00 | 5.62 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2020 | ND | 5.80 | 96.6 | 6.00 | 5.46 | |
| Total BTEX | <0.300 | 0.300 | 06/22/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 95.2 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | <16.0 | 16.0 | 06/22/2020 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/20/2020 | ND | 209 | 104 | 200 | 4.46 | |
| DRO >C10-C28* | 154 | 10.0 | 06/20/2020 | ND | 238 | 119 | 200 | 0.420 | |
| EXT DRO >C28-C36 | 16.5 | 10.0 | 06/20/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 129 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 154 | % 42.2-15 | 6 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BA | 1arland BLVD. | | |
|-------------------|------------|----------|----------------|---------------------|----------------|
| | | Fax To: | (575) 393-2432 | 2 | |
| Received: | 06/19/2020 | | | Sampling Date: | 06/19/2020 |
| Reported: | 06/24/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Tamara Oldaker |
| Project Location: | NEDU 4A | | | | |

Sample ID: W 22 (H001635-05)

| BTEX 8021B | mg/ | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.72 | |
| Toluene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.99 | 99.5 | 2.00 | 5.62 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2020 | ND | 5.80 | 96.6 | 6.00 | 5.46 | |
| Total BTEX | <0.300 | 0.300 | 06/22/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.8 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 06/22/2020 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/20/2020 | ND | 209 | 104 | 200 | 4.46 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/20/2020 | ND | 238 | 119 | 200 | 0.420 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/20/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 119 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 134 9 | % 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

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Celey D. Keene, Lab Director/Quality Manager

Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| Company Name: appliche Congulation | | BILL TO | | ANALYSIS REQUEST |
|--|---|--|--|--|
| Project Manager: Ruce Odjer | P.O. # | | | |
| Address: | Соп | Company: | | |
| City: State: | Zip: Attn: | | | |
| Phone #: Fax #: | Add | Address: | | |
| Project #: Project Owner: | | •• | | |
| Project Name: NEUL 44 | State: | e: Zip: | | |
| Project Location: NEDU 41A | Pho | # | | |
| Sampler Name: J. Known | Fax #: | # | | |
| | MATRIX | PRESERV. SAMPLING | NG | |
| Lab I.D. Sample I.D. | DWATER /ATER | DL | | |
| HOO163 | # CONT/ GROUN WASTEV SOIL OIL SLUDGE OTHER : | ACID/BA ICE / CO OTHER : DATE | тіме ВТЕХ ЕХТ. | |
| 3103 | | 6/19/20 1 | 1147 | |
| 2 WIS | 0 | ., | 1148 1 1 1 8411 | |
| 3 W2W | C | 11 | 1/20 / / / / | |
| 1631 | <u>^</u> | 11 | 1/52 / 1/1 | |
| UT- C 22 SD | 0 | 11 ac/31/3 | 1/54 / / / | |
| | | | | |
| PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including these for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 20 days after completion of the epplicable service. In no event shall Cardinal be liable for incidental or consequental damages, including whoult limitadion, business interruptors, loss of use, or loss of profits incurred by client, its subadiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, repard(sec) whether such claims the service and end on the service and end or consequents and any services hereunder by Cardinal, repard(sec) whether such claims the advect to conserve and any services arising out of or related to the performance of services hereunder by Cardinal, repard(sec) whether such claims the service advect to conserve the service advector conserved. | ly for any claim arising whether based in contract or tort, sh all be deemed waived unless made in writing and received cluding without limitation, business interruptions, loss of us of by Cardinal, recardless of vithens such claim is based i | hall be limited to the amount paid by the days after com- d by Cardinal within 30 days after com- re, or loss of profits incurred by client, upon any of the above styled components of the second se | aid by the client for the ter completion of the applicable client, its subsidiaries, | |
| JOF Rush | 114/20 Received By: | All All | Verbal Result: Yes No No No No No No No No No N | ☐ Yes ☐ No Add'I Phone #: ailed. Please provide Email address: |
| Relinguished By: Time: | Received By: | RE | REMARKS: | |
| (Circle One) | .°C 3. Sample Condition | CHECKED BY: Tur (Initials) | Turnaround Time: Standard Rush | Bacteria (only) Sample Condition |
| | .°C | The Cor | Thermometer ID #113 Correction Factor None | Yes Yes Occurrected Temp. °C |
| † Cardin | Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabsnm.com | Please email change | s to celey.keene@cardinallab | |

Received by OCD: 9/23/2020 11:31:25 AM

Page 78 of 116



June 24, 2020

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

RE: NEDU 4A

Enclosed are the results of analyses for samples received by the laboratory on 06/19/20 13:54.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



NEDU 4A

Analytical Results For:

| | | APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 Fax To: (575) 393-24 | 32 | |
|-----------------|------------|--|---------------------|----------------|
| Received: | 06/19/2020 | | Sampling Date: | 06/19/2020 |
| Reported: | 06/24/2020 | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | Sample Received By: | Tamara Oldaker |

Sample ID: B 24 (H001636-01)

Project Location:

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.72 | |
| Toluene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.99 | 99.5 | 2.00 | 5.62 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2020 | ND | 5.80 | 96.6 | 6.00 | 5.46 | |
| Total BTEX | <0.300 | 0.300 | 06/22/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.7 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 06/22/2020 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/20/2020 | ND | 209 | 104 | 200 | 4.46 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/20/2020 | ND | 238 | 119 | 200 | 0.420 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/20/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 113 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 129 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BAK | ARLAND BLVD. | | |
|--------------------------------------|-----------------------|-----------|----------------|---------------------|----------------|
| | | Fax To: | (575) 393-2432 | | |
| Received: | 06/19/2020 | | | Sampling Date: | 06/19/2020 |
| Reported: | 06/24/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: Project Location: | None given Nedu 4a | | | Sample Received By: | Tamara Oldaker |

Sample ID: B 25 (H001636-02)

| BTEX 8021B | mg, | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.72 | |
| Toluene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.99 | 99.5 | 2.00 | 5.62 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2020 | ND | 5.80 | 96.6 | 6.00 | 5.46 | |
| Total BTEX | <0.300 | 0.300 | 06/22/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.4 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | ′kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 06/22/2020 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/20/2020 | ND | 209 | 104 | 200 | 4.46 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/20/2020 | ND | 238 | 119 | 200 | 0.420 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/20/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 117 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 131 | % 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



| | | APACHE COR | P - HOBBS | | | | | |
|-------------------|-----------------------|-------------|----------------|---------------------|--|----------------|--|--|
| | BRUCE BAKER | | | | | | | |
| | 2350 W. MARLAND BLVD. | | | | | | | |
| | | HOBBS NM, 8 | 38240 | | | | | |
| | | Fax To: | (575) 393-2432 | | | | | |
| | | | | | | | | |
| Received: | 06/19/2020 | | | Sampling Date: | | 06/19/2020 | | |
| Reported: | 06/24/2020 | | | Sampling Type: | | Soil | | |
| Project Name: | NEDU 4A | | | Sampling Condition: | | Cool & Intact | | |
| Project Number: | NONE GIVEN | | | Sample Received By: | | Tamara Oldaker | | |
| Project Location: | NEDU 4A | | | | | | | |

Sample ID: B 26 (H001636-03)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.72 | |
| Toluene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.99 | 99.5 | 2.00 | 5.62 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2020 | ND | 5.80 | 96.6 | 6.00 | 5.46 | |
| Total BTEX | <0.300 | 0.300 | 06/22/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.6 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 06/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/20/2020 | ND | 209 | 104 | 200 | 4.46 | |
| DRO >C10-C28* | 13.6 | 10.0 | 06/20/2020 | ND | 238 | 119 | 200 | 0.420 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/20/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 123 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 140 | % 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BAK | ARLAND BLVD. | | |
|-------------------|------------|-----------|----------------|---------------------|----------------|
| | | Fax To: | (575) 393-2432 | | |
| Received: | 06/19/2020 | | | Sampling Date: | 06/19/2020 |
| Reported: | 06/24/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Tamara Oldaker |
| Project Location: | NEDU 4A | | | | |

Sample ID: B 27 (H001636-04)

| BTEX 8021B | mg, | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.72 | |
| Toluene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.99 | 99.5 | 2.00 | 5.62 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2020 | ND | 5.80 | 96.6 | 6.00 | 5.46 | |
| Total BTEX | <0.300 | 0.300 | 06/22/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 97.7 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | ′kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 112 | 16.0 | 06/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2020 | ND | 216 | 108 | 200 | 1.38 | QR-03 |
| DRO >C10-C28* | <10.0 | 10.0 | 06/22/2020 | ND | 214 | 107 | 200 | 0.714 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/22/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 101 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 111 9 | 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



NONE GIVEN

NEDU 4A

Tamara Oldaker

Sample Received By:

Analytical Results For:

| | APACHE CORP | - HOBBS | |
|------------|--------------|---------------------|---------------|
| | BRUCE BAKER | | |
| | 2350 W. MARL | AND BLVD. | |
| | HOBBS NM, 88 | 3240 | |
| | Fax To: (5 | 575) 393-2432 | |
| 06/19/2020 | | Sampling Date: | 06/19/2020 |
| 06/24/2020 | | Sampling Type: | Soil |
| NEDU 4A | | Sampling Condition: | Cool & Intact |

Sample ID: B 28 (H001636-05)

Received:

Reported:

Project Name:

Project Number:

Project Location:

| BTEX 8021B | mg/ | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|-----------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.72 | |
| Toluene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.99 | 99.5 | 2.00 | 5.62 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2020 | ND | 5.80 | 96.6 | 6.00 | 5.46 | |
| Total BTEX | <0.300 | 0.300 | 06/22/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.4 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | ′kg | Analyzed By: GM | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 224 | 16.0 | 06/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2020 | ND | 216 | 108 | 200 | 1.38 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/22/2020 | ND | 214 | 107 | 200 | 0.714 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/22/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 97.4 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 105 9 | % 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



NEDU 4A

Analytical Results For:

| | | APACHE C | ORP - HOBBS | | |
|-----------------|------------|-----------|----------------|---------------------|----------------|
| | | BRUCE BA | KER | | |
| | | 2350 W. N | 1arland Blvd. | | |
| | | HOBBS NN | 4, 88240 | | |
| | | Fax To: | (575) 393-2432 | 2 | |
| | | | | | |
| Received: | 06/19/2020 | | | Sampling Date: | 06/19/2020 |
| Reported: | 06/24/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Tamara Oldaker |

Sample ID: B 29 (H001636-06)

Project Location:

| BTEX 8021B | mg | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|---------------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.72 | |
| Toluene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.99 | 99.5 | 2.00 | 5.62 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2020 | ND | 5.80 | 96.6 | 6.00 | 5.46 | |
| Total BTEX | <0.300 | 0.300 | 06/22/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | /kg Analyzed By: GM | | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 06/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2020 | ND | 216 | 108 | 200 | 1.38 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/22/2020 | ND | 214 | 107 | 200 | 0.714 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/22/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 112 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 124 | % 42.2-15 | 6 | | | | | | |

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*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BA | 1arland BLVD. | | |
|-------------------|------------|----------|----------------|---------------------|----------------|
| | | Fax To: | (575) 393-2432 | <u>.</u> | |
| Received: | 06/19/2020 | | | Sampling Date: | 06/19/2020 |
| Reported: | 06/24/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Tamara Oldaker |
| Project Location: | NEDU 4A | | | | |

Sample ID: B 30 (H001636-07)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.72 | |
| Toluene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.99 | 99.5 | 2.00 | 5.62 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2020 | ND | 5.80 | 96.6 | 6.00 | 5.46 | |
| Total BTEX | <0.300 | 0.300 | 06/22/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | mg/kg Analyzed By: GM | | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 160 | 16.0 | 06/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2020 | ND | 216 | 108 | 200 | 1.38 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/22/2020 | ND | 214 | 107 | 200 | 0.714 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/22/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 91.3 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 101 9 | 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NEDU 4A

Analytical Results For:

| | | APACHE C | ORP - HOBBS | | |
|-----------------|------------|-----------|----------------|---------------------|----------------|
| | | BRUCE BA | KER | | |
| | | 2350 W. N | 1arland Blvd. | | |
| | | HOBBS NN | 4, 88240 | | |
| | | Fax To: | (575) 393-2432 | 2 | |
| | | | | | |
| Received: | 06/19/2020 | | | Sampling Date: | 06/19/2020 |
| Reported: | 06/24/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Tamara Oldaker |

Sample ID: B 31 (H001636-08)

Project Location:

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.72 | |
| Toluene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.99 | 99.5 | 2.00 | 5.62 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2020 | ND | 5.80 | 96.6 | 6.00 | 5.46 | |
| Total BTEX | <0.300 | 0.300 | 06/22/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.9 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | mg/kg Analyzed By: GM | | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 96.0 | 16.0 | 06/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | Analyzed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2020 | ND | 216 | 108 | 200 | 1.38 | |
| DRO >C10-C28* | 39.2 | 10.0 | 06/22/2020 | ND | 214 | 107 | 200 | 0.714 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/22/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 110 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 126 | % 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BAI | ARLAND BLVD. | | |
|-------------------|------------|-----------|----------------|---------------------|----------------|
| | | Fax To: | (575) 393-2432 | | |
| Received: | 06/19/2020 | | | Sampling Date: | 06/19/2020 |
| Reported: | 06/24/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Tamara Oldaker |
| Project Location: | NEDU 4A | | | | |

Sample ID: B 32 (H001636-09)

| BTEX 8021B | mg, | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.72 | |
| Toluene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.95 | 97.5 | 2.00 | 5.85 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/22/2020 | ND | 1.99 | 99.5 | 2.00 | 5.62 | |
| Total Xylenes* | <0.150 | 0.150 | 06/22/2020 | ND | 5.80 | 96.6 | 6.00 | 5.46 | |
| Total BTEX | <0.300 | 0.300 | 06/22/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.4 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | mg/kg Analyzed By: GM | | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 06/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2020 | ND | 216 | 108 | 200 | 1.38 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/22/2020 | ND | 214 | 107 | 200 | 0.714 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/22/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 94.6 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 105 | % 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | APACHE C | Corp - Hobbs | | |
|-------------------|------------|-----------|----------------|---------------------|----------------|
| | | BRUCE BA | AKER | | |
| | | 2350 W. N | MARLAND BLVD. | | |
| | | HOBBS N | M, 88240 | | |
| | | Fax To: | (575) 393-2432 | 2 | |
| Received: | 06/19/2020 | | | Sampling Date: | 06/19/2020 |
| Reported: | 06/24/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Tamara Oldaker |
| Project Location: | NEDU 4A | | | | |

Sample ID: B 33 (H001636-10)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/24/2020 | ND | 2.03 | 102 | 2.00 | 5.21 | |
| Toluene* | <0.050 | 0.050 | 06/24/2020 | ND | 2.04 | 102 | 2.00 | 4.90 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/24/2020 | ND | 2.07 | 104 | 2.00 | 4.22 | |
| Total Xylenes* | <0.150 | 0.150 | 06/24/2020 | ND | 6.01 | 100 | 6.00 | 4.21 | |
| Total BTEX | <0.300 | 0.300 | 06/24/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.2 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | mg/kg Analyzed By: GM | | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 06/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | Analyzed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2020 | ND | 216 | 108 | 200 | 1.38 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/22/2020 | ND | 214 | 107 | 200 | 0.714 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/22/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 102 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 115 9 | 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BA | IARLAND BLVD. | | |
|-------------------|------------|----------|----------------|---------------------|----------------|
| | | Fax To: | (575) 393-2432 | 2 | |
| Received: | 06/19/2020 | | | Sampling Date: | 06/19/2020 |
| Reported: | 06/24/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Tamara Oldaker |
| Project Location: | NEDU 4A | | | | |

Sample ID: B 34 (H001636-11)

| BTEX 8021B | mg/ | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/24/2020 | ND | 2.03 | 102 | 2.00 | 5.21 | |
| Toluene* | <0.050 | 0.050 | 06/24/2020 | ND | 2.04 | 102 | 2.00 | 4.90 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/24/2020 | ND | 2.07 | 104 | 2.00 | 4.22 | |
| Total Xylenes* | <0.150 | 0.150 | 06/24/2020 | ND | 6.01 | 100 | 6.00 | 4.21 | |
| Total BTEX | <0.300 | 0.300 | 06/24/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.7 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg/ | mg/kg Analyzed By: GM | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | Analyzed By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2020 | ND | 216 | 108 | 200 | 1.38 | |
| DRO >C10-C28* | 18.5 | 10.0 | 06/22/2020 | ND | 214 | 107 | 200 | 0.714 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/22/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 98.2 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 110 9 | 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BA | 1arland BLVD. | | |
|-------------------|------------|----------|----------------|---------------------|----------------|
| | | Fax To: | (575) 393-2432 | 2 | |
| Received: | 06/19/2020 | | | Sampling Date: | 06/19/2020 |
| Reported: | 06/24/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Tamara Oldaker |
| Project Location: | NEDU 4A | | | | |

Sample ID: B 35 (H001636-12)

| BTEX 8021B | mg | ′kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/24/2020 | ND | 2.03 | 102 | 2.00 | 5.21 | |
| Toluene* | <0.050 | 0.050 | 06/24/2020 | ND | 2.04 | 102 | 2.00 | 4.90 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/24/2020 | ND | 2.07 | 104 | 2.00 | 4.22 | |
| Total Xylenes* | <0.150 | 0.150 | 06/24/2020 | ND | 6.01 | 100 | 6.00 | 4.21 | |
| Total BTEX | <0.300 | 0.300 | 06/24/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.6 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | mg/kg Analyzed By: GM | | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg/ | ′kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2020 | ND | 216 | 108 | 200 | 1.38 | |
| DRO >C10-C28* | 241 | 10.0 | 06/22/2020 | ND | 214 | 107 | 200 | 0.714 | |
| EXT DRO >C28-C36 | 40.0 | 10.0 | 06/22/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 106 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 131 | % 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



| | | BRUCE BAK | ARLAND BLVD. | | |
|-------------------|------------|-----------|----------------|---------------------|----------------|
| | | Fax To: | (575) 393-2432 | | |
| Received: | 06/19/2020 | | | Sampling Date: | 06/19/2020 |
| Reported: | 06/24/2020 | | | Sampling Type: | Soil |
| Project Name: | NEDU 4A | | | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Tamara Oldaker |
| Project Location: | NEDU 4A | | | | |

Sample ID: B 36 (H001636-13)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/24/2020 | ND | 2.03 | 102 | 2.00 | 5.21 | |
| Toluene* | <0.050 | 0.050 | 06/24/2020 | ND | 2.04 | 102 | 2.00 | 4.90 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/24/2020 | ND | 2.07 | 104 | 2.00 | 4.22 | |
| Total Xylenes* | <0.150 | 0.150 | 06/24/2020 | ND | 6.01 | 100 | 6.00 | 4.21 | |
| Total BTEX | <0.300 | 0.300 | 06/24/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.3 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 06/22/2020 | ND | 416 | 104 | 400 | 0.00 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/22/2020 | ND | 216 | 108 | 200 | 1.38 | |
| DRO >C10-C28* | 36.4 | 10.0 | 06/22/2020 | ND | 214 | 107 | 200 | 0.714 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/22/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 102 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 118 | % 42.2-15 | 6 | | | | | | |

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

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

Cardinal Laboratories

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 94 of 116

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| + 0 | Sampler - UPS - Bus - Other: Corrected Temp. °C | Delivered By: (Circle One) Observed Temp. °C | Time: | Date: | num | | Animates of successors arising out of or related to the performance of services in Relinguished By: Date: | te a | PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusion | 55 8 OI | - | 12 12 | 0 | 6 829 | 883 | 1637 | 3626 | 2 625 | 1634 | Lab I.D. Sample I.D. | FOR LAB USE ONLY | Sampler Name: J. Known | Project Location: NEDW 4A | Project Name: NEDU 4A | Project #: Proje | Phone #: Fax #: | City: State: | Address: | 1 man and 1 |
|---|---|--|-------|--------------|-------|--|--|--|---|---------------|------|-------|------|-------|------|------|------|------------|---------|--|-------------------|------------------------|---------------------------|-----------------------|------------------|-----------------|--------------|----------|-------------|
| Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com | | Sa Sa | | Received By: | 1354 | 06/01/90 | Date: Received Rv. | Isoever shall be deemed waived unless made in writing an mages, including without limitation, business interruptions, I | we remedy for any claim arising whether based in contract | C | 0 | 0 | 0 | C | C | 0 | 0 | 0 | C | (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE | MATRIX | | | | Project Owner: | * | ite: Zip: | | |
| inges. Please email change | 10, | CHECKED BY: | | R | March | | n is based upon any of the above stated reasons or otherwise. | nd received by Cardinal within 30 days after con loss of use, or loss of profits incurred by client, | t or tort, shall be limited to the amount paid by t | 1/ w /1/20 /1 | | 11 | | | | | | | 6/19/20 | OTHER : ACID/BASE: ICE / COOL OTHER : DATE | PRESERV. SAMPLING | Fax #: | Phone #: | State: Zip: | City: | Address: | Attn: | Company: | て.つ. 共 |
| es to celey.keene@cardinallab | Correction Factor None | Turnaround Time: Standard | | REMARKS: | | All Results are emailed. Please provide Email address: | | mpletion of the applicable t, its subsidiaries, | the client for the | 138 8 8 11 | 1/36 | 45/1 | 1/32 | 1/30 | 1/28 | 1/26 | 1/24 | 1128 1 1 1 | 123 VVV | TIME CL BTEX EXT.TIM | NG | | | | | | | | |
| | | ly) S | | | | Add'l Phone #: vide Email address: | | | | | | | | | | | | | | | | | | | | | | | |

Received by OCD: 9/23/2020 11:31:25 AM

Page 95 of 116 Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

| 200 (010) 101 1 0707-000 (010) | | | |
|---|--|--|--|
| Company Name: applicate Corporation | | BILL TO | |
| Project Manager: Bruce Vaker | | P.O. #: | |
| Address: | 0 | Company: | |
| City: State: | Zip: | Attn: | |
| Phone #: Fax #: | 2 | Address: | |
| Project #: Project Owner: | | City: | |
| Project Name: NEOU 4A | | State: Zip: | |
| on: NEOU | - | Phone #: | |
| J. Bou | 77 | Fax #: | |
| | MATRIX | PRESERV. SAMPLING | NG |
| Lab I.D. Sample I.D. |)RAB OR (C)OMP. CONTAINERS ROUNDWATER ASTEWATER DIL L LUDGE | THER : DID/BASE: E / COOL THER : | CL 8.TEX EXT. TPH |
| HE & 11 | | 6/19/20 | 1/40 V V V 04/1 |
| 12 835 | 0 | | |
| [3] J 36 | 0 | 6/19/20 | |
| | | | |
| PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be demed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be demed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable sonce, in no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, artification are completed by Cardinal be and any of the above stated reasons or concinents. | for any claim arising whether based in contract o II be deemed waived unless made in writing and uding without limitation, business interruptions, lo - hv C-ardinal, neoratless of whether such claim is | r tort, shall be limited to the armount paid received by Cardinal within 20 days after or yss of use, or loss of profits incurred by clie s based upon any of the above stated reas | r the client for the models of the applicable the second sec |
| Relinquished By: Date: 6/19/200 Time: / 354 N | Received By: | alather | Verbal Result: □ Yes □ No Add'I Phone #: All Results are emailed. Please provide Email address: |
| स् | Received By: | C | REMARKS: |
| Delivered By: (Circle One) Observed Temp. °C 38 | Sample (Cool li | CHECKED BY: (Initials) | e: Standard Bacteria |
| | °C Yes Yes | | Thermometer ID #113 Yes Yes Correction Factor None INC No Corrected Temp. °C |
| Ŧ | al cannot accept verbal char | nges. Please email chan | Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com |

Received by OCD: 9/23/2020 11:31:25 AM



June 29, 2020

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

RE: NEDU 4A

Enclosed are the results of analyses for samples received by the laboratory on 06/26/20 16:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

| Received: | 06/26/2020 | Sampling Date: | 06/26/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/29/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NEDU 4A | Sample Received By: | Tamara Oldaker |
| Project Location: | NEDU 4A | | |

Sample ID: B 1 (H001684-01)

| Chloride, SM4500Cl-B | mg, | /kg | Analyze | d By: GM | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 80.0 | 16.0 | 06/29/2020 | ND | 416 | 104 | 400 | 3.77 | |

Sample ID: B 6 (H001684-02)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|--------------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/27/2020 | ND | 1.92 | 96.0 | 2.00 | 0.265 | |
| Toluene* | <0.050 | 0.050 | 06/27/2020 | ND | 1.92 | 96.1 | 2.00 | 0.437 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/27/2020 | ND | 1.96 | 98.2 | 2.00 | 0.215 | |
| Total Xylenes* | <0.150 | 0.150 | 06/27/2020 | ND | 5.73 | 95.5 | 6.00 | 0.162 | |
| Total BTEX | <0.300 | 0.300 | 06/27/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 95.2 9 | 73.3-12 | 9 | | | | | | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/29/2020 | ND | 191 | 95.4 | 200 | 0.529 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/29/2020 | ND | 176 | 88.1 | 200 | 1.12 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/29/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 127 % | % 44. 3- 14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 140 % | 42.2-15 | 6 | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/26/2020 | Sampling Date: | 06/26/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/29/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NEDU 4A | Sample Received By: | Tamara Oldaker |
| Project Location: | NEDU 4A | | |

Sample ID: B 7 (H001684-03)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/27/2020 | ND | 1.92 | 96.0 | 2.00 | 0.265 | |
| Toluene* | <0.050 | 0.050 | 06/27/2020 | ND | 1.92 | 96.1 | 2.00 | 0.437 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/27/2020 | ND | 1.96 | 98.2 | 2.00 | 0.215 | |
| Total Xylenes* | <0.150 | 0.150 | 06/27/2020 | ND | 5.73 | 95.5 | 6.00 | 0.162 | |
| Total BTEX | <0.300 | 0.300 | 06/27/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 94.9 9 | 73.3-12 | 9 | | | | | | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/29/2020 | ND | 191 | 95.4 | 200 | 0.529 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/29/2020 | ND | 176 | 88.1 | 200 | 1.12 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/29/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 124 % | 6 44.3-14 | 4 | | | | | | |
| | | | | | | | | | |

Sample ID: B 10 (H001684-04)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 06/29/2020 | ND | 416 | 104 | 400 | 3.77 | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



NEDU 4A

NEDU 4A

NEDU 4A

Sampling Condition:

Sample Received By:

06/26/2020

Cool & Intact

Tamara Oldaker

Soil

Analytical Results For:

| | APACHE CORP - HOBBS | |
|------------|------------------------|--|
| | BRUCE BAKER | |
| | 2350 W. MARLAND BLVD. | |
| | HOBBS NM, 88240 | |
| | Fax To: (575) 393-2432 | |
| | | |
| 06/26/2020 | Sampling Date: | |
| 06/29/2020 | Sampling Type: | |

Sample ID: B 12 (H001684-05)

Received:

Reported:

Project Name:

Project Number:

Project Location:

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/27/2020 | ND | 1.92 | 96.0 | 2.00 | 0.265 | |
| Toluene* | <0.050 | 0.050 | 06/27/2020 | ND | 1.92 | 96.1 | 2.00 | 0.437 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/27/2020 | ND | 1.96 | 98.2 | 2.00 | 0.215 | |
| Total Xylenes* | <0.150 | 0.150 | 06/27/2020 | ND | 5.73 | 95.5 | 6.00 | 0.162 | |
| Total BTEX | <0.300 | 0.300 | 06/27/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 95.5 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg, | kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 128 | 16.0 | 06/29/2020 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg, | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/29/2020 | ND | 191 | 95.4 | 200 | 0.529 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/29/2020 | ND | 176 | 88.1 | 200 | 1.12 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/29/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 123 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 136 | 42.2-15 | 6 | | | | | | |

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/26/2020 | Sampling Date: | 06/26/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 06/29/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NEDU 4A | Sample Received By: | Tamara Oldaker |
| Project Location: | NEDU 4A | | |

Sample ID: B 13 (H001684-06)

| BTEX 8021B | mg | /kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 06/27/2020 | ND | 1.92 | 96.0 | 2.00 | 0.265 | |
| Toluene* | <0.050 | 0.050 | 06/27/2020 | ND | 1.92 | 96.1 | 2.00 | 0.437 | |
| Ethylbenzene* | <0.050 | 0.050 | 06/27/2020 | ND | 1.96 | 98.2 | 2.00 | 0.215 | |
| Total Xylenes* | <0.150 | 0.150 | 06/27/2020 | ND | 5.73 | 95.5 | 6.00 | 0.162 | |
| Total BTEX | <0.300 | 0.300 | 06/27/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 95.1 | % 73.3-12 | 9 | | | | | | |
| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 144 | 16.0 | 06/29/2020 | ND | 416 | 104 | 400 | 3.77 | |
| TPH 8015M | mg | /kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 06/29/2020 | ND | 191 | 95.4 | 200 | 0.529 | |
| DRO >C10-C28* | <10.0 | 10.0 | 06/29/2020 | ND | 176 | 88.1 | 200 | 1.12 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 06/29/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 113 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | 124 | % 42.2-15 | 6 | | | | | | |

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Celey D. Keene, Lab Director/Quality Manager



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

| Received: | 06/26/2020 | |
|-------------------|------------|--|
| Reported: | 06/29/2020 | |
| Project Name: | NEDU 4A | |
| Project Number: | NEDU 4A | |
| Project Location: | NEDU 4A | |

06/26/2020 Soil Cool & Intact Tamara Oldaker

Sample ID: B 15 (H001684-07)

| Chloride, SM4500Cl-B | mg | /kg | Analyze | d By: GM | | | | | |
|----------------------|--------|-----------------|------------|--------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 06/29/2020 | ND | 416 | 104 | 400 | 3.77 | |

Sampling Date:

Sampling Type:

Sampling Condition:

Sample Received By:

Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| ND | Analyte NOT DETECTED at or above the reporting limit |
|-----|---|
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C |

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

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager

Page 103 of 116 Page 8 of 8 CARDINAL 101 East Marland, Hobbs, NM 88240 aboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

.

| (575) 393-23 | (575) 393-2326 FAX (575) 393-2476 | | | |
|---|--|---|--|---|
| Company Name: auch | · Corporation | BILL TO | | ANALYSIS REQUEST |
| Project Manager: "Bruce | Caken | P.O. # | | |
| Address: | 2 | Company: | | |
| City: | State: Zip: | Attn: | | |
| Phone #: | Fax #: | Address: | | |
| Project #: | Project Owner: | City: | | |
| Project Name: NEOLL YA | v | State: Zip: | | |
| Project Location: NEOU 4 | AP. | Phone #: | | |
| Sampler Name: VEFF Brunn | 3 | Fax #: | | |
| | | MATRIX PRESERV. SAM | SAMPLING | |
| Lab I.D. Sam | (G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER | SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE | TIME CL- BTEX EXT. TPH | |
| 181 | | | 1300 V | |
| 2 86 | | | 1303 11 | |
| 587 | | | 1304 11 | |
| 4 8 10 | | | 1306 1 | |
| 5 812 | | | 1324 1 1 1 | |
| 6 313 | | | 1326 1 1 1 | |
| 7 815 | | 6/26/22 | /328 | |
| PLEASE NOTE: Lability and Damages. Cardinal's liability and clie analyses. All claims including those for negligence and any other re- service. In no event shall Cardinal be liable for incidental or conse affiliates or successors arising out of or related to the performance | 야 같 같 같 | s exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for th sex swhatsoewr shall be deemed waived unless made in withing and received by Cardinal within 304 days after completion of the antal damagee, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiarie services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. | id by the client for the applicable client, its subsidiaries, easons or otherwise. | |
| Relinquished By: | Date: 6/26/30 Received By: | NIN IN | Verbal Result: | Add'l Phone #: vide Email address: |
| Relinquished By | Date: Received By: | Cora William | REMARKS: | E |
| | Time: | | | |
| Delivered By: (Circle One) | Observed Temp. °C 2.0 Samp | Sample Condition CHECKED BY: Cool Intact (Initials) | Turnaround Time: Standard Rush | Bacteria (only) Sample Condition Cool Intact Observed Temp. °C |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C | Aves Aves Aves | Thermometer ID #113 Correction Factor None | ☐ Yes ☐ Yes ☐ Nc ☐ No Corrected Temp. °C |

Received by OCD: 9/23/2020 11:31:25 AM

- OKIVI-000 K 3.1 00/04/20

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



July 28, 2020

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

RE: NEDU 4A

Enclosed are the results of analyses for samples received by the laboratory on 07/28/20 12:43.

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/ga/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

| Received: | 07/28/2020 | Sampling Date: | 07/28/2020 |
|-------------------|------------|---------------------|----------------|
| Reported: | 07/28/2020 | Sampling Type: | Soil |
| Project Name: | NEDU 4A | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | NEDU 4A | | |

Sample ID: B 35 (H001952-01)

| BTEX 8021B | mg/ | kg | Analyze | d By: MS | | | | | |
|--------------------------------------|--------|-----------------|------------|--------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 07/28/2020 | ND | 1.83 | 91.5 | 2.00 | 4.16 | |
| Toluene* | <0.050 | 0.050 | 07/28/2020 | ND | 1.85 | 92.5 | 2.00 | 3.95 | |
| Ethylbenzene* | <0.050 | 0.050 | 07/28/2020 | ND | 1.86 | 93.0 | 2.00 | 3.90 | |
| Total Xylenes* | <0.150 | 0.150 | 07/28/2020 | ND | 5.33 | 88.9 | 6.00 | 3.97 | |
| Total BTEX | <0.300 | 0.300 | 07/28/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 96.3 9 | 73.3-12 | 9 | | | | | | |
| TPH 8015M | mg/ | kg | Analyze | d By: MS | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 07/28/2020 | ND | 208 | 104 | 200 | 0.448 | |
| DRO >C10-C28* | 25.1 | 10.0 | 07/28/2020 | ND | 200 | 99.8 | 200 | 1.20 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 07/28/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 99.3 9 | % 44.3-14 | 4 | | | | | | |
| | | | | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| ND | Analyte NOT DETECTED at or above the reporting limit |
|-----|---|
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C |

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 9/23/2020 11:31:25 AM

| Ity: State: Zip: Attn: Project Name: //////////////////////////////////// | Build Backson Carl PO.#: State: Zip: Fax #: Fax #: NEGRU HR VEGRU HE VERSTON Sample VERSTON Sample VERSTON Sample VERSTON Sample VERSTON Soil OIL OIL OIL OIL VERSTON OIL VERSTON OIL VERSTON OIL VERSTON | BILL TO Rouge data is a serie of a long o | Inclust Martand, Hobbs, NM 8224 (675) 393-2236 FAX (675) 393-2476 Inclust Martand, Hobbs, NM 8224 (675) 393-2236 FAX (675) 393-2476 Inclust Martand, Hobbs, NM 8224 (675) 393-2236 FAX (675) 393-2476 Inclust Martand, Hobbs, NM 8224 (675) 393-2236 FAX (675) 393-2476 Inclust Martand, Hobbs, NM 8224 Inclust Martand, Hobbs, NM 8244 Inclust Martand, Hobbs, MM |
|--|---|--|---|
| In the #: State: Zip: Attn: In the #: Fax #: Fax #: Address: In the me: NEDUL YA Address: In the me: NEDUL YA State: Zip: In the me: NETAINERS MATRIX PRESERV. SAMPLING In the me: NETAINERS MATRIX PRESERV. SAMPLING In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: In the me: < | Sample I.D. Sample I.D. Sample X KAN Sample | Sample I.D. Sample | BOR CLOPIES Indication right state: Zip: State: Zip: State: Zip: Fax #: Fax #: Fax #: Fax #: Foject Owner: Fax #: City: Fax #: City: State: Zip: Project Owner: Fax #: Foject Owner: Fax #: Fax #: Foject Owner: Foject Owner: Fax #: Foject Owner: Fax #: Foject Owner: Fax #: Foject Owner: Fax #: Foject Owner: Fojec |
| State: Zip: Attn: 1e #: Fax #: Address: sct #: Project Owner: City: sct Name: \UEDUL 4A | Bruck Bakes P.O. #: State: Zip: Company: State: Zip: Attn: Fax #: Address: Address: Project Owner: City: VEDUL YA | Applie Corporation Built Bakes P.O. #: Bruilt Bakes Company: State: Zip: Fax #: Attn: Fax #: Address: Project Owner: City: DEDU< | aboratories Io1 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 <i>Madul</i> Corporation <i>Madul</i> Corporation <i>State:</i> State: Fax #: Fax #: Project Owner: Ntonu 4A State: Zip: |
| State: Zip: Fax #: | "Gruce Gaken State: Zip: Fax#: | - Company: State: Zip: Attn: Fax #: Address: | aboratories |
| | Gruce Gakes | Comparts P.O. #: Bruce Baken Company: | aboratories 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Grade Corporation F.O. #: Company: |

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Page 4 of 4



August 25, 2020

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

HOBBS, NM 88240

RE: NEDU 4A

Enclosed are the results of analyses for samples received by the laboratory on 08/24/20 13:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



| | | APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240 | | | | |
|-------------------|------------|--|----------------|---------------------|----|-------------|
| | | Fax To: | (575) 393-2432 | | | |
| Received: | 08/24/2020 | | | Sampling Date: | 08 | /24/2020 |
| Reported: | 08/25/2020 | | | Sampling Type: | So | il |
| Project Name: | NEDU 4A | | | Sampling Condition: | Co | ol & Intact |
| Project Number: | NONE GIVEN | | | Sample Received By: | Jo | di Henson |
| Project Location: | NEDU 4A | | | | | |

Sample ID: W 21 (H002223-01)

| 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 | 08/24/2020 | ND | 2.06 | 103 | 2.00 | 3.86 | |
| Toluene* | <0.050 | 0.050 | 08/24/2020 | ND | 2.06 | 103 | 2.00 | 4.18 | |
| Ethylbenzene* | <0.050 | 0.050 | 08/24/2020 | ND | 2.04 | 102 | 2.00 | 3.97 | |
| Total Xylenes* | <0.150 | 0.150 | 08/24/2020 | ND | 5.90 | 98.4 | 6.00 | 4.08 | |
| Total BTEX | <0.300 | 0.300 | 08/24/2020 | ND | | | | | |
| Surrogate: 4-Bromofluorobenzene (PID | 99.6 9 | 73.3-12 | 9 | | | | | | |
| 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 | 08/24/2020 | ND | 183 | 91.6 | 200 | 6.67 | |
| DRO >C10-C28* | <10.0 | 10.0 | 08/24/2020 | ND | 182 | 91.0 | 200 | 5.19 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 08/24/2020 | ND | | | | | |
| Surrogate: 1-Chlorooctane | 92.5 9 | % 44.3-14 | 4 | | | | | | |
| Surrogate: 1-Chlorooctadecane | | | | | | | | | |

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

| ND | Analyte NOT DETECTED at or above the reporting limit |
|-----|---|
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C |

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

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Received by OCD: 9/23/2020 11:31:25 AM

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Photos















303 Veterans Airpark Lane Midland, TX 79705

Variance Request

Apache Corporation request a variance to the reclamation rule regarding the top four feet being top soil. The surface landowner requested that the excavation be backfilled to a depth of 2 feet with caliche and utilizing the natural top soil from the edges of the excavation to cover the caliche.