



303 Veterans Airpark Lane Midland, TX 79705

Remediation Plan

December 21, 2021

Re: NEDU Injection Line
Case nAPP2127146876

Background:

On 9/25/2021 a release occurred due to a buried injection line failed. The release area (GPS: 32.500826, -103.142778) is located north of Eunice, New Mexico in unit letter P section 3 township 21S range 37E. A monitor well is located approximately 356 feet west of the release area. On 12/14/2021 the well was gauged with the depth of water observed at 63.68 feet.

On 12/3/2021 vertical delineation was conducted utilizing a backhoe to depths ranging from the surface to 5 feet. 5-point surface horizontal composite samples were collected not to exceed 200 square feet. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX.

Remediation Plan:

Apache Corporation proposes that the release area be excavated to a depth of 4 feet in the pasture area around SP 1. The area around SP 3 be excavated to a depth of 6 inches to 1 foot. Final 5-point bottom composite samples will be collected not to exceed 500 square feet and 5-point wall composite samples will be collected not to exceed 200 square feet. All samples collected will be submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. All excavated material (975 yards) will be disposed of at an OCD approved disposal facility. Once laboratory analysis is below table one standards for releases 51-100 feet to groundwater and meets the reclamation requirements for the top 4 feet in the pasture the excavation will be backfilled with clean imported caliche to restore the lease road and the pasture area will be backfilled with clean imported topsoil to ground surface and contoured to the surrounding area. The disturbed area will be reseeded in accordance with the surface landowner's guidelines. The remediation will be completed within 90 days of OCD approval of the plan.

Enclosed: C-141, Groundwater Data, Maps, Sample Data, Laboratory Results, Revegetation and Noxious Weed Plan.

Submitted by.

Larry Baker

Environmental Technician
larry.baker@apachecorp.com
Cell# 432-215-2284

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

Site Assessment/Characterization

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

| | |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? | <u>63.68</u> (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |

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

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

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

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

Oil Conservation Division

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

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

Printed Name: Larry Baker Title: Environmental Tech SR.
Signature: Larry Baker Date: 12/21/2020
email: larry.baker@apachecorp.com Telephone: 432-215-2284

OCD Only

Received by: _____ Date: _____

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

Remediation Plan

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

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

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

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

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

Printed Name: Larry Baker Title: Environmental Tech SR.
Signature: Larry Baker Date: 12/21/2020
email: larry.baker@apachecorp.com Telephone: 432-215-2284

OCD Only

Received by: Chad Hensley Date: 01/14/2022

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

Signature: Chad Hensley Date: 01/14/2022

Monitor Well



Google Earth
Earth Point

December 21, 2021



Apache Corporation
303 Veterans Airpark Lane
Midland, Texas 79705

Attn: Mr. Bruce Baker
P: 432-818-1000
E: larry.baker@apachecorp.com

RE: Release Investigation and Remedial Action Plan
NEDU Injection Line
Unit C, Section 10, Township 21 South, Range 37 East
Lea County, New Mexico

Dear Mr. Baker,

Terracon Consultants, Inc. (Terracon) is pleased to submit our well gauging data for the site referenced above. Based on field observations during the well gauging event on December 14, 2021. The depth of water within the well located at GPS: 32.5002963, -103.1440734, was observed to be 63.68 feet below top of casing.

Terracon appreciates this opportunity to provide environmental services to Apache Corporation (Apache). Should you have any questions or require additional information, please do not hesitate to contact our office.

Sincerely,
Terracon Consultants, Inc.

A handwritten signature in blue ink, appearing to read 'J. Guesnier', is positioned above the printed name.

Joseph Guesnier
Staff Scientist
Lubbock

A handwritten signature in blue ink, appearing to read 'Erin Loyd', is positioned above the printed name.

Erin Loyd, P.G. (TX)
Principal
Office Manager – Lubbock

Radius

Buffer Size (miles) : 0.50

Click Map to Draw Radius

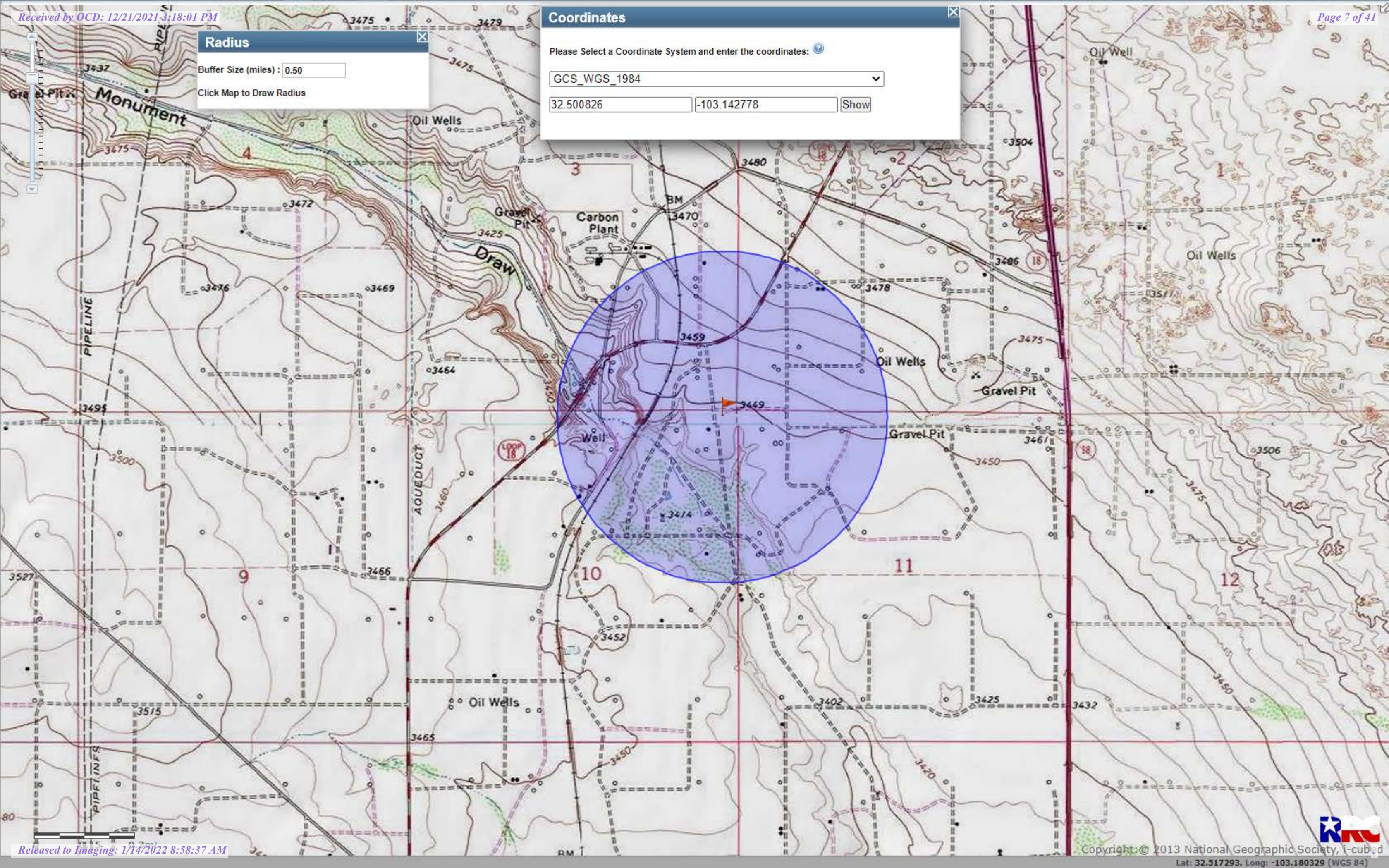
Coordinates

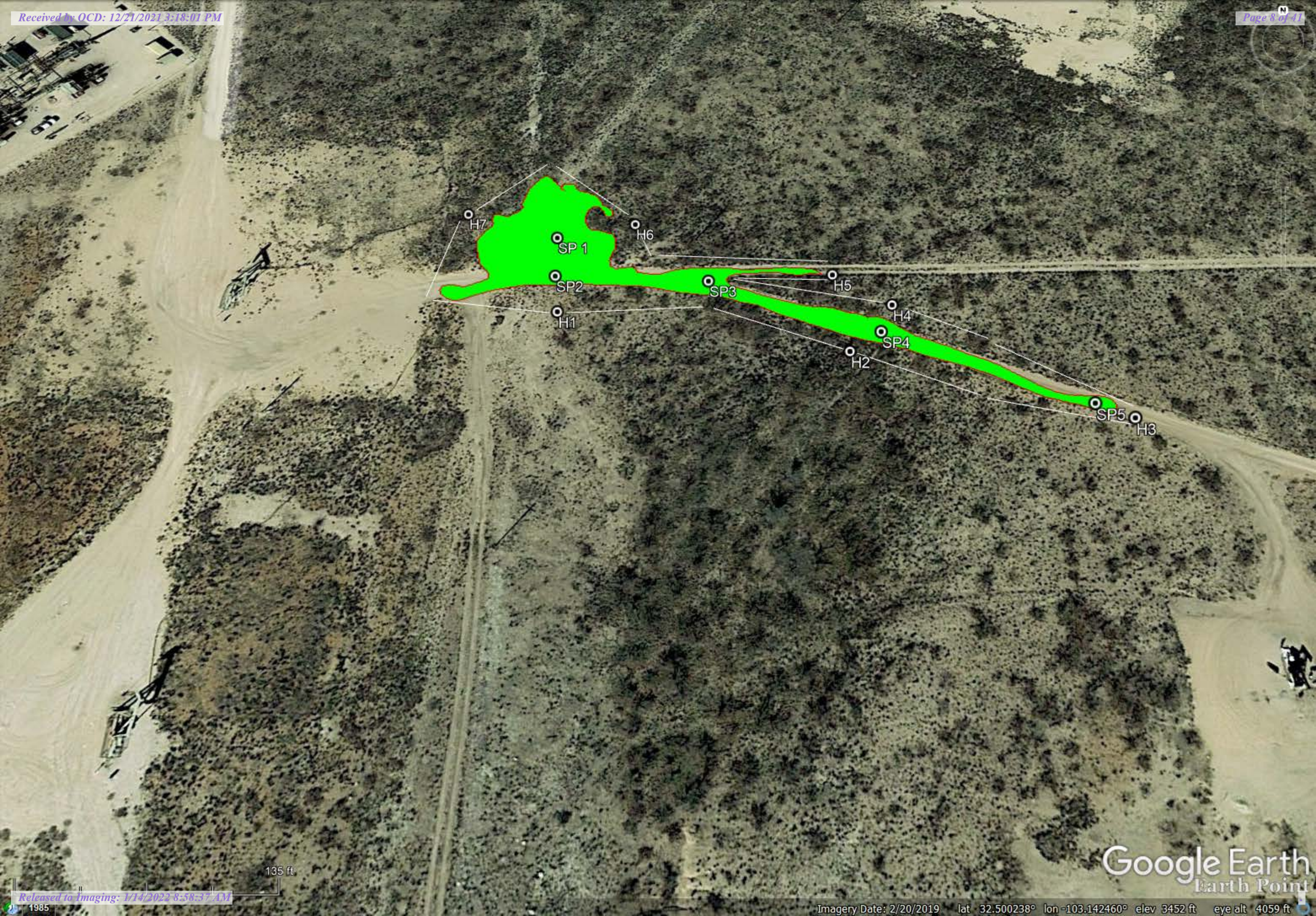
Please Select a Coordinate System and enter the coordinates:

GCS_WGS_1984

32.500826-103.142778

Show





| Sample Date | Sample ID | Depth | Chloride | Benzene | Toulene | Ethybenzene | Total Xylenes | Total BTEX | GRO | DRO | EXT DRO | GPS Coordinates |
|----------------------------|-----------|-------|----------|---------|---------|-------------|---------------|------------|-------|-------|---------|-----------------------------|
| Delineation Samples | | | | | | | | | | | | |
| 12/2/2021 | SP 1 | S | 7,600 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.500762, -103.142704 |
| | | 1' | 1,920 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| | | 2' | 2,200 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| | | 3' | 1,390 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| | | 4' | 1,340 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| | | 5' | 176 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| 12/2/2021 | SP 2 | S | 2,240 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.5006786, -103.1426797 |
| | | 1' | 32 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| 12/2/2021 | SP 3 | S | 14,400 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <50 | 7920 | 2090 | 32.5006574, -103.1423759 |
| | | 1' | 1,100 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| | | 2' | 432 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| 12/2/2021 | SP 4 | S | 4,400 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | 22.3 | <10.0 | 32.5005737, -103.1417385 |
| | | 1' | 592 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| | | 2' | 32 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | |
| 12/2/2021 | SP 5 | S | 432 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.5004408, -103.1417385 |
| 12/3/2021 | H1 | S | <16.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.5006348, -103.1426924 |
| 12/3/2021 | H2 | S | 16 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.5005757, -103.1422237 |
| 12/3/2021 | H3 | S | 352 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.5004252, -103.1416879 |
| 12/3/2021 | H4 | S | 32.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.5006048, -103.1421251 |
| 12/3/2021 | H5 | S | 32.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.5006772, -103.1420437 |
| 12/3/2021 | H6 | S | 16.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.5008601, -103.1425570 |
| 12/3/2021 | H7 | S | 16.0 | <0.050 | <0.050 | <0.050 | <0.150 | <0.300 | <10.0 | <10.0 | <10.0 | 32.5009320, -103.1429315 |



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

December 06, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU INJECTION LINE

Enclosed are the results of analyses for samples received by the laboratory on 12/02/21 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|----------------|
| Received: | 12/02/2021 | Sampling Date: | 12/02/2021 |
| Reported: | 12/06/2021 | Sampling Type: | Soil |
| Project Name: | NEDU INJECTION LINE | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | EUNICE NM | | |

Sample ID: SP 1 @ SURFACE (H213467-01)

| 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 | 12/04/2021 | ND | 2.17 | 108 | 2.00 | 0.507 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.08 | 104 | 2.00 | 0.715 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.04 | 102 | 2.00 | 0.631 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.27 | 105 | 6.00 | 0.344 | |
| Total BTEX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 7600 | 16.0 | 12/06/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/05/2021 | ND | 220 | 110 | 200 | 1.02 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/05/2021 | ND | 197 | 98.6 | 200 | 7.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/05/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 87.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.1 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: NEDU INJECTION LINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 2 @ SURFACE (H213467-02)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.17 | 108 | 2.00 | 0.507 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.08 | 104 | 2.00 | 0.715 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.04 | 102 | 2.00 | 0.631 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.27 | 105 | 6.00 | 0.344 | |
| Total BTX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2240 | 16.0 | 12/06/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/05/2021 | ND | 220 | 110 | 200 | 1.02 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/05/2021 | ND | 197 | 98.6 | 200 | 7.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/05/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.9 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: NEDU INJECTION LINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ SURFACE (H213467-03)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.17 | 108 | 2.00 | 0.507 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.08 | 104 | 2.00 | 0.715 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.04 | 102 | 2.00 | 0.631 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.27 | 105 | 6.00 | 0.344 | |
| Total BTX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 14400 | 16.0 | 12/06/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | S-06 | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <50.0 | 50.0 | 12/05/2021 | ND | 220 | 110 | 200 | 1.02 | |
| DRO >C10-C28* | 7920 | 50.0 | 12/05/2021 | ND | 197 | 98.6 | 200 | 7.58 | |
| EXT DRO >C28-C36 | 2090 | 50.0 | 12/05/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 311 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: NEDU INJECTION LINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ SURFACE (H213467-04)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.17 | 108 | 2.00 | 0.507 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.08 | 104 | 2.00 | 0.715 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.04 | 102 | 2.00 | 0.631 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.27 | 105 | 6.00 | 0.344 | |
| Total BTX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 4400 | 16.0 | 12/06/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/05/2021 | ND | 220 | 110 | 200 | 1.02 | |
| DRO >C10-C28* | 22.3 | 10.0 | 12/05/2021 | ND | 197 | 98.6 | 200 | 7.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/05/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 63.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 61.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|----------------|
| Received: | 12/02/2021 | Sampling Date: | 12/02/2021 |
| Reported: | 12/06/2021 | Sampling Type: | Soil |
| Project Name: | NEDU INJECTION LINE | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | EUNICE NM | | |

Sample ID: SP 5 @ SURFACE (H213467-05)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.17 | 108 | 2.00 | 0.507 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.08 | 104 | 2.00 | 0.715 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.04 | 102 | 2.00 | 0.631 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.27 | 105 | 6.00 | 0.344 | | |
| Total BTEx | <0.300 | 0.300 | 12/04/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 432 | 16.0 | 12/06/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/05/2021 | ND | 220 | 110 | 200 | 1.02 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/05/2021 | ND | 197 | 98.6 | 200 | 7.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/05/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: NEDU INJECTION LINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 1' (H213467-06)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.17 | 108 | 2.00 | 0.507 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.08 | 104 | 2.00 | 0.715 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.04 | 102 | 2.00 | 0.631 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.27 | 105 | 6.00 | 0.344 | |
| Total BTX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1920 | 16.0 | 12/06/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/05/2021 | ND | 220 | 110 | 200 | 1.02 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/05/2021 | ND | 197 | 98.6 | 200 | 7.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/05/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: NEDU INJECTION LINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 2' (H213467-07)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.17 | 108 | 2.00 | 0.507 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.08 | 104 | 2.00 | 0.715 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.04 | 102 | 2.00 | 0.631 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.27 | 105 | 6.00 | 0.344 | | |
| Total BTX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2200 | 16.0 | 12/06/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/05/2021 | ND | 220 | 110 | 200 | 1.02 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/05/2021 | ND | 197 | 98.6 | 200 | 7.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/05/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: NEDU INJECTION LINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 3' (H213467-08)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.17 | 108 | 2.00 | 0.507 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.08 | 104 | 2.00 | 0.715 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.04 | 102 | 2.00 | 0.631 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.27 | 105 | 6.00 | 0.344 | |
| Total BTEx | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1390 | 16.0 | 12/06/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/05/2021 | ND | 220 | 110 | 200 | 1.02 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/05/2021 | ND | 197 | 98.6 | 200 | 7.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/05/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: NEDU INJECTION LINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 4' (H213467-09)

| BTEx 8021B | | mg/kg | | Analyzed By: MS/ | | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.17 | 108 | 2.00 | 0.507 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.08 | 104 | 2.00 | 0.715 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.04 | 102 | 2.00 | 0.631 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.27 | 105 | 6.00 | 0.344 | | |
| Total BTEx | <0.300 | 0.300 | 12/04/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1340 | 16.0 | 12/06/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/05/2021 | ND | 220 | 110 | 200 | 1.02 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/05/2021 | ND | 197 | 98.6 | 200 | 7.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/05/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: NEDU INJECTION LINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 1 @ 5' (H213467-10)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.17 | 108 | 2.00 | 0.507 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.08 | 104 | 2.00 | 0.715 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.04 | 102 | 2.00 | 0.631 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.27 | 105 | 6.00 | 0.344 | |
| Total BTX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 176 | 16.0 | 12/06/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/05/2021 | ND | 220 | 110 | 200 | 1.02 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/05/2021 | ND | 197 | 98.6 | 200 | 7.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/05/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|----------------|
| Received: | 12/02/2021 | Sampling Date: | 12/02/2021 |
| Reported: | 12/06/2021 | Sampling Type: | Soil |
| Project Name: | NEDU INJECTION LINE | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Tamara Oldaker |
| Project Location: | EUNICE NM | | |

Sample ID: SP 2 @ 1' (H213467-11)

| BTX 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|------------------|--------------|------|------------|---------------|-------|-----------|--|
| | | | Analyzed By: MS/ | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.17 | 108 | 2.00 | 0.507 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.08 | 104 | 2.00 | 0.715 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.04 | 102 | 2.00 | 0.631 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.27 | 105 | 6.00 | 0.344 | | |
| Total BTX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

| Chloride, SM4500CI-B | | | mg/kg | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: GM | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 12/06/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | | mg/kg | | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 12/05/2021 | ND | 220 | 110 | 200 | 1.02 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/05/2021 | ND | 197 | 98.6 | 200 | 7.58 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/05/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 76.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.4 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: NEDU INJECTION LINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ 1' (H213467-12)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.17 | 108 | 2.00 | 0.507 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.08 | 104 | 2.00 | 0.715 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.04 | 102 | 2.00 | 0.631 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.27 | 105 | 6.00 | 0.344 | |
| Total BTX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 1100 | 16.0 | 12/06/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/05/2021 | ND | 220 | 110 | 200 | 1.02 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/05/2021 | ND | 197 | 98.6 | 200 | 7.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/05/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.6 % 38.9-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: NEDU INJECTION LINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 3 @ 2' (H213467-13)

| BTX 8021B | | | mg/kg | | | | | | | |
|----------------|--------|-----------------|------------------|--------------|------|------------|---------------|-------|-----------|--|
| | | | Analyzed By: MS/ | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.17 | 108 | 2.00 | 0.507 | | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.08 | 104 | 2.00 | 0.715 | | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.04 | 102 | 2.00 | 0.631 | | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.27 | 105 | 6.00 | 0.344 | | |
| Total BTX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

| Chloride, SM4500CI-B | | | mg/kg | | | | | | | |
|----------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: GM | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 432 | 16.0 | 12/06/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | | mg/kg | | | | | | | |
|------------------|--------|-----------------|-----------------|--------------|-----|------------|---------------|------|-----------|--|
| | | | Analyzed By: MS | | | | | | | |
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 12/05/2021 | ND | 220 | 110 | 200 | 1.02 | | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/05/2021 | ND | 197 | 98.6 | 200 | 7.58 | | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/05/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 76.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: NEDU INJECTION LINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ 1' (H213467-14)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.17 | 108 | 2.00 | 0.507 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.08 | 104 | 2.00 | 0.715 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.04 | 102 | 2.00 | 0.631 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.27 | 105 | 6.00 | 0.344 | |
| Total BTX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 592 | 16.0 | 12/06/2021 | ND | 400 | 100 | 400 | 3.92 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/05/2021 | ND | 220 | 110 | 200 | 1.02 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/05/2021 | ND | 197 | 98.6 | 200 | 7.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/05/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/02/2021
 Reported: 12/06/2021
 Project Name: NEDU INJECTION LINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 12/02/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP 4 @ 2' (H213467-15)

| BTX 8021B | | mg/kg | | Analyzed By: MS/ | | | | | |
|----------------|--------|-----------------|------------|------------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.17 | 108 | 2.00 | 0.507 | |
| Toluene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.08 | 104 | 2.00 | 0.715 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/04/2021 | ND | 2.04 | 102 | 2.00 | 0.631 | |
| Total Xylenes* | <0.150 | 0.150 | 12/04/2021 | ND | 6.27 | 105 | 6.00 | 0.344 | |
| Total BTX | <0.300 | 0.300 | 12/04/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 12/06/2021 | ND | 400 | 100 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/05/2021 | ND | 220 | 110 | 200 | 1.02 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/05/2021 | ND | 197 | 98.6 | 200 | 7.58 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/05/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.7 % 38.9-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

| | | | | | | | |
|---|------------------|-------------------|--------------|------------------|-------------|-----------|----------------|
| Company Name: Apache | | P.O. #: | | ANALYSIS REQUEST | | | |
| Project Manager: Bruce Baker | | Company: | | | | | |
| Address: | | Attn: | | | | | |
| City: Hobbs | State: NM | Zip: 88240 | | | | | |
| Phone #: | Fax #: | Address: | | | | | |
| Project #: | Project Owner: | City: | State: | Zip: | | | |
| Project Location: Neely Injection Line | Phone #: | | | | | | |
| Sampler Name: See Description | Fax #: | | | | | | |
| FOR LAB USE ONLY | | PRESERV. | | SAMPLING | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX | | | |
| | | | | GROUNDWATER | WASTEWATER | SOIL | |
| | | | | OIL | SLUDGE | OTHER: | |
| | | | | ACID/BASE: | ICE / COOL | OTHER: | |
| | | | | DATE | TIME | | |
| 4213467 | | | | 12-2 | 2:20 | CL | Ext TPH |
| 1 SP1 0.5' surface | | | | | | | BTEX |
| 2 SP2 0.5' surface | | | | | | | |
| 3 SP3 0.5' surface | | | | | | | |
| 4 SP4 0.5' surface | | | | | | | |
| 5 SP5 0.5' surface | | | | | | | |
| 6 SP1 0.1' | | | | | | | |
| 7 SP1 0.2' | | | | | | | |
| 8 SP1 0.3' | | | | | | | |
| 9 SP1 0.4' | | | | | | | |
| 10 SP1 0.5' | | | | | | | |

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| | | | | |
|---------------------------------------|--------------------------------|--|--|--|
| Refinanced By: See Description | Date: 12-2 | Received By: Bruce Baker | Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Add'l Phone #: |
| Refinanced By: See Description | Date: 12-2 | Received By: Bruce Baker | All Results are emailed. Please provide Email address: | |
| Delivered By: (Circle One) | Observed Temp. °C: 4.8 | Sample Condition: <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact | CHECKED BY: JB | Turnaround Time: |
| Sampler - UPS - Bus - Other: | Corrected Temp. °C: 4.3 | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Thermometer ID #113 | Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> |
| | | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | Correction Factor -0.5°C | Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> |
| | | | | Observed Temp. °C |
| | | | | Corrected Temp. °C |

REMARKS: **See Bruce**

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

December 08, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU INJECTION LINE

Enclosed are the results of analyses for samples received by the laboratory on 12/03/21 16:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: NEDU INJECTION LINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: H 1 (H213495-01)

| BTEX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/08/2021 | ND | 2.00 | 100 | 2.00 | 10.3 | |
| Toluene* | <0.050 | 0.050 | 12/08/2021 | ND | 1.98 | 99.0 | 2.00 | 8.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/08/2021 | ND | 1.96 | 98.1 | 2.00 | 8.64 | |
| Total Xylenes* | <0.150 | 0.150 | 12/08/2021 | ND | 5.96 | 99.4 | 6.00 | 9.16 | |
| Total BTEX | <0.300 | 0.300 | 12/08/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 12/08/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/07/2021 | ND | 219 | 109 | 200 | 0.395 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 211 | 106 | 200 | 4.54 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|---------------|
| Received: | 12/03/2021 | Sampling Date: | 12/03/2021 |
| Reported: | 12/08/2021 | Sampling Type: | Soil |
| Project Name: | NEDU INJECTION LINE | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EUNICE NM | | |

Sample ID: H 2 (H213495-02)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/08/2021 | ND | 2.00 | 100 | 2.00 | 10.3 | |
| Toluene* | <0.050 | 0.050 | 12/08/2021 | ND | 1.98 | 99.0 | 2.00 | 8.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/08/2021 | ND | 1.96 | 98.1 | 2.00 | 8.64 | |
| Total Xylenes* | <0.150 | 0.150 | 12/08/2021 | ND | 5.96 | 99.4 | 6.00 | 9.16 | |
| Total BTEX | <0.300 | 0.300 | 12/08/2021 | ND | | | | | |

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

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 12/08/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/07/2021 | ND | 219 | 109 | 200 | 0.395 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 211 | 106 | 200 | 4.54 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.6 % 38.9-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: NEDU INJECTION LINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: H 3 (H213495-03)

| BTEx 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/08/2021 | ND | 2.00 | 100 | 2.00 | 10.3 | |
| Toluene* | <0.050 | 0.050 | 12/08/2021 | ND | 1.98 | 99.0 | 2.00 | 8.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/08/2021 | ND | 1.96 | 98.1 | 2.00 | 8.64 | |
| Total Xylenes* | <0.150 | 0.150 | 12/08/2021 | ND | 5.96 | 99.4 | 6.00 | 9.16 | |
| Total BTEX | <0.300 | 0.300 | 12/08/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 352 | 16.0 | 12/08/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/07/2021 | ND | 219 | 109 | 200 | 0.395 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 211 | 106 | 200 | 4.54 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: NEDU INJECTION LINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: H 4 (H213495-04)

| BTX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/08/2021 | ND | 2.00 | 100 | 2.00 | 10.3 | |
| Toluene* | <0.050 | 0.050 | 12/08/2021 | ND | 1.98 | 99.0 | 2.00 | 8.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/08/2021 | ND | 1.96 | 98.1 | 2.00 | 8.64 | |
| Total Xylenes* | <0.150 | 0.150 | 12/08/2021 | ND | 5.96 | 99.4 | 6.00 | 9.16 | |
| Total BTX | <0.300 | 0.300 | 12/08/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 12/08/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/07/2021 | ND | 219 | 109 | 200 | 0.395 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 211 | 106 | 200 | 4.54 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 88.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: NEDU INJECTION LINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: H 5 (H213495-05)

| BTX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/08/2021 | ND | 2.00 | 100 | 2.00 | 10.3 | |
| Toluene* | <0.050 | 0.050 | 12/08/2021 | ND | 1.98 | 99.0 | 2.00 | 8.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/08/2021 | ND | 1.96 | 98.1 | 2.00 | 8.64 | |
| Total Xylenes* | <0.150 | 0.150 | 12/08/2021 | ND | 5.96 | 99.4 | 6.00 | 9.16 | |
| Total BTX | <0.300 | 0.300 | 12/08/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 32.0 | 16.0 | 12/08/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/07/2021 | ND | 219 | 109 | 200 | 0.395 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 211 | 106 | 200 | 4.54 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 79.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

| | | | |
|-------------------|---------------------|---------------------|---------------|
| Received: | 12/03/2021 | Sampling Date: | 12/03/2021 |
| Reported: | 12/08/2021 | Sampling Type: | Soil |
| Project Name: | NEDU INJECTION LINE | Sampling Condition: | Cool & Intact |
| Project Number: | NONE GIVEN | Sample Received By: | Jodi Henson |
| Project Location: | EUNICE NM | | |

Sample ID: H 6 (H213495-06)

| BTX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/08/2021 | ND | 2.00 | 100 | 2.00 | 10.3 | |
| Toluene* | <0.050 | 0.050 | 12/08/2021 | ND | 1.98 | 99.0 | 2.00 | 8.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/08/2021 | ND | 1.96 | 98.1 | 2.00 | 8.64 | |
| Total Xylenes* | <0.150 | 0.150 | 12/08/2021 | ND | 5.96 | 99.4 | 6.00 | 9.16 | |
| Total BTX | <0.300 | 0.300 | 12/08/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 12/08/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/07/2021 | ND | 219 | 109 | 200 | 0.395 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 211 | 106 | 200 | 4.54 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 66.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 60.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/03/2021
 Reported: 12/08/2021
 Project Name: NEDU INJECTION LINE
 Project Number: NONE GIVEN
 Project Location: EUNICE NM

Sampling Date: 12/03/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: H 7 (H213495-07)

| BTX 8021B | | mg/kg | | Analyzed By: JH | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 12/08/2021 | ND | 2.00 | 100 | 2.00 | 10.3 | |
| Toluene* | <0.050 | 0.050 | 12/08/2021 | ND | 1.98 | 99.0 | 2.00 | 8.00 | |
| Ethylbenzene* | <0.050 | 0.050 | 12/08/2021 | ND | 1.96 | 98.1 | 2.00 | 8.64 | |
| Total Xylenes* | <0.150 | 0.150 | 12/08/2021 | ND | 5.96 | 99.4 | 6.00 | 9.16 | |
| Total BTX | <0.300 | 0.300 | 12/08/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 12/08/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 12/07/2021 | ND | 190 | 95.0 | 200 | 11.9 | |
| DRO >C10-C28* | <10.0 | 10.0 | 12/07/2021 | ND | 200 | 100 | 200 | 6.33 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 12/07/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 92.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 88.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



NEDU Injection Line
nAPP2127146876
Revegetation
And
Noxious Weed Plan

Revegetation Plan:

All the disturbed area in the pasture will be properly prepared and reseeded with BLM # 2. The disturbed area will be monitored to ensure successful revegetation is achieved. If revegetation is not successful after a couple of growing seasons the site will be reseeded.

Noxious Weed Plan:

Apache Corporation will treat noxious weeds if they become established within the area of remediation. Weed control will be maintained on the disturbed land where noxious weeds exist both prior to remediation and restoration. Apache Corporation will consult with the Authorized Officer for acceptable weed control methods.

District I

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

District II

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

District III

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

District IV

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

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

CONDITIONS

Action 68328

CONDITIONS

| | |
|---|---|
| Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705 | OGRID: 873 |
| | Action Number: 68328 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition | Condition Date |
|------------|---|----------------|
| chensley | When submitting water well gauging data in the future, the OCD respectively request a time stamped picture of the tape with the latitude and longitude. | 1/14/2022 |