



105 W Main St Decatur, TX 76234

## ***Closure Request***



August 19, 2024

Re: Apache Corporation NEDU Injection Line 303

Case nAPP2307355788

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**Introduction**

On behalf of Apache Corporation, RXSoil, Inc. ("RXSoil") has prepared this closure report that describes the remediation of the release of produced water.

The release occurred on 03/08/2023 in Unit letter M section 2 township 21S Range 37E at approximate coordinates 32.50402, -103.14070. It was reported that 251 barrels of produced were released and 60 barrels of produced water were recovered during the initial response.

**Remediation Summary**

RXSoil's core process of on-site remediation is being used to address the contamination. Under RXSoil's guidance, an above-ground treatment cell was constructed adjacent to the contaminated area. Berms were placed around the perimeter of the cell area. A 20-mil reinforced poly liner was installed on the surface and up the sides of the berms to contain treatment. A proprietary drainage and collection system was installed prior to filling the cells with contaminated soil.

All contaminated soil was excavated and placed into a stockpile. Once in a stockpile, a loader transported it to RXSoil's treatment cell. Due to the amount of soil being treated, after successful treatment within the cell, the soil was unloaded and then reloaded again with more contaminated soil. There was a total of 2 flips done to treat 6000 cu yards.

Treatment cell construction began on 1/8/2024 and finished on 1/15/2024. Our proprietary drainage and collection system was installed on 1/16/2024.

Excavation of the pasture area started on 1/22/2024 in accordance with the remediation plan. The entire pasture was dug to 4 Feet to meet reclamation standards. Final 5-point composite wall and bottom samples were taken in accordance with the remediation plan. Sample summary included in this report. During excavation, the wall samples that were above thresholds intersected with the road, preventing any further excavation. Wall samples 18, 19 and 20 have not been excavated to reclamation standards because the road is still in use for well operations and will be reclaimed at another time.

The treatment cell was finished being filled contaminated soil on 1/29/2024. RXSoil's first round of treatment began on 1/30/2024. Final samples for round 1 were taken on 2/5/2024 and transferred on ice to a third-party commercial laboratory for analysis of chloride, TPH, and BTEX. After clean confirmation samples from the commercial laboratory, the soil was unloaded from the treatment cell and then backfilled with the treated soil to ground surface and contoured to the surrounding area.

Once the treatment cell was finished being unloaded, round 2 of soil began being loaded into the cell on 2/23/2024. Round 2 treatment started on 3/5/2024 and ended on 3/10/2024. Final samples for round 2 were taken on 3/13/2024 and transferred on ice to a third-party commercial laboratory for analysis of chloride, TPH, and BTEX. After clean confirmation samples from the commercial laboratory, the soil was unloaded from the treatment cell and then backfilled with the treated soil to ground surface and contoured to the surrounding area.

After a successful treatment, a grid of confirmation samples was gathered throughout the treatment profile with one 5-point composite sample representing no more than 100 cubic yards. When a sample came back above threshold, another round of treatment was done to get the sample below threshold. Once soil met thresholds inside the cell, the soil was excavated and utilized as backfill into the excavation area in accordance with the approved remediation plan.

All remediation samples were taken using a stainless-steel bucket auger. Samples were temporarily transferred to a new plastic bag in the field. Once in a location safer for handling glass, the samples were transferred to glass jars, supplied by an approved laboratory. The threads on all jars were wiped clean to allow an air-tight seal. Samples were then transferred on ice to a third-party commercial laboratory to ensure tests are completed within 14 days (as recommended for EPA methods 8021B and 8015M).

After all the clean soil was utilized as backfill, the entire site was graded to restore its original contour and functionality. This process replicates the pre-existing conditions as closely as possible, blending seamlessly with the surrounding area.

All samples met closure criteria, and the pasture has been restored to reclamation standards.

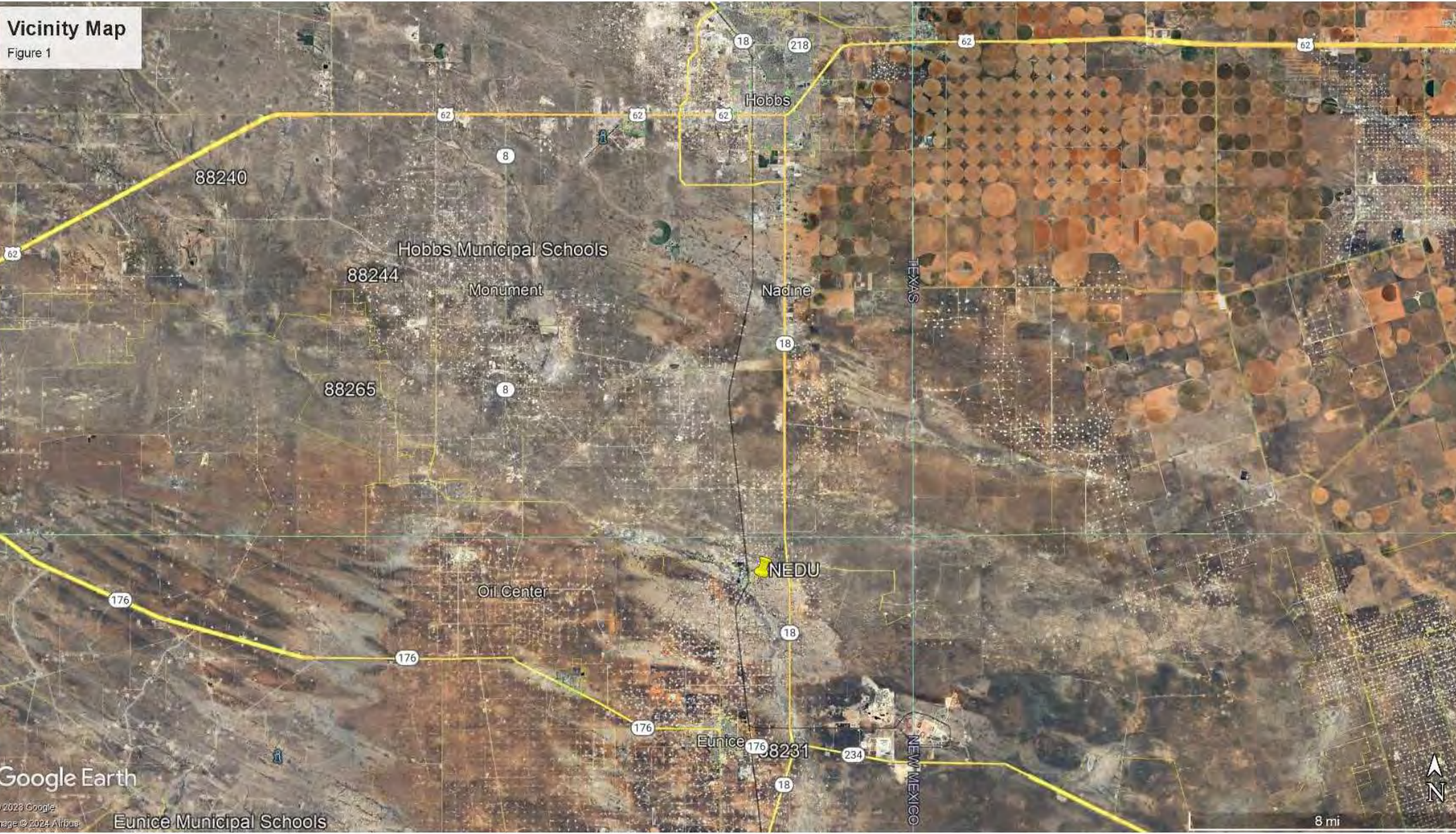
**Reclamation and Re-Vegetation**

All the disturbed areas in the pasture were properly prepared and reseeded in accordance with the revegetation and noxious weed plan on 5/16/2024.

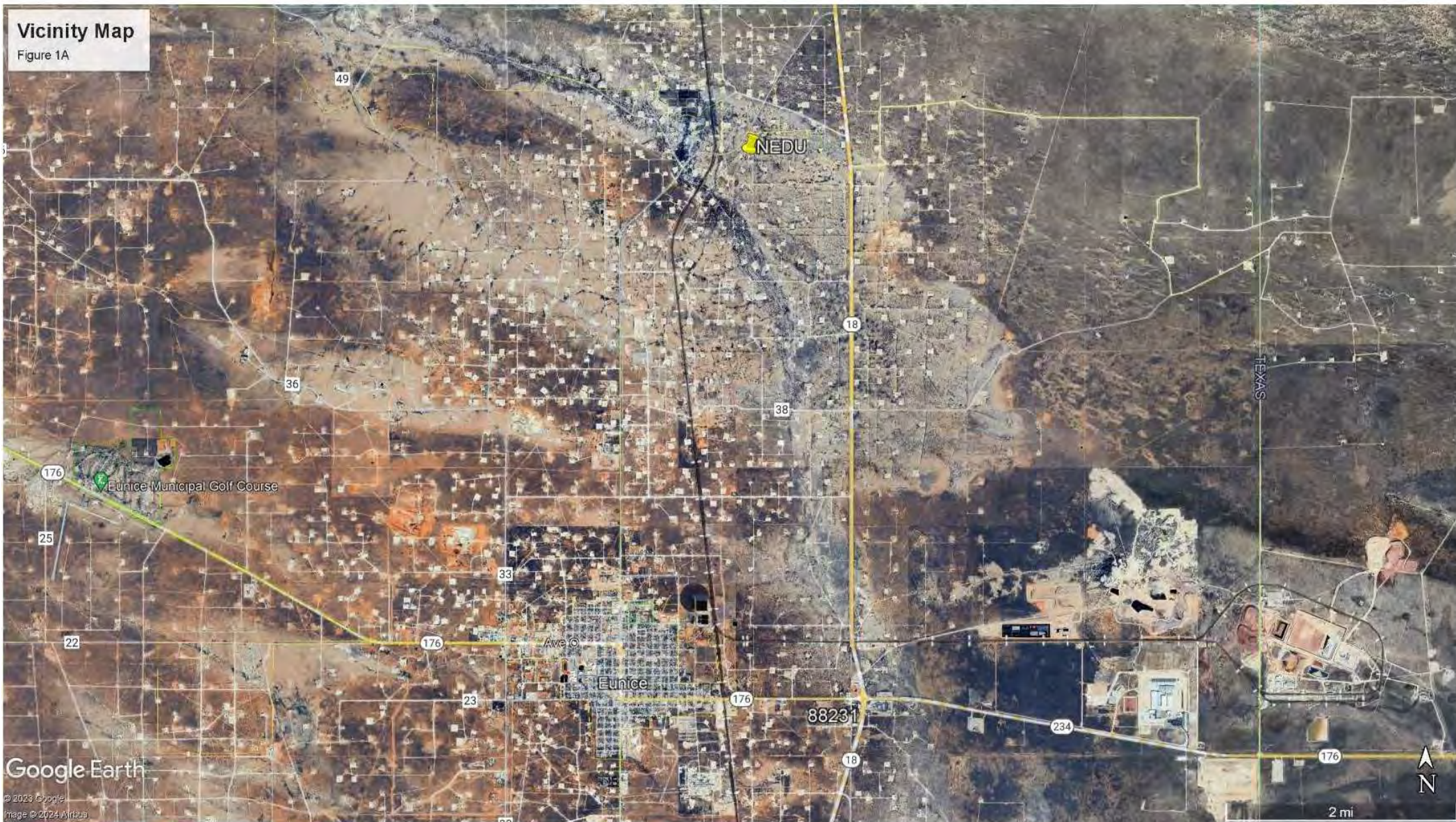
## VICINITY MAP



Vicinity Map  
Figure 1













## SITE MAP



Site Map  
Figure 2





Site Map  
Delineation

Legend

- Bottom Samples
- Treatment Cell
- Wall Samples









# Floor Samples

Aerial 1B

Legend

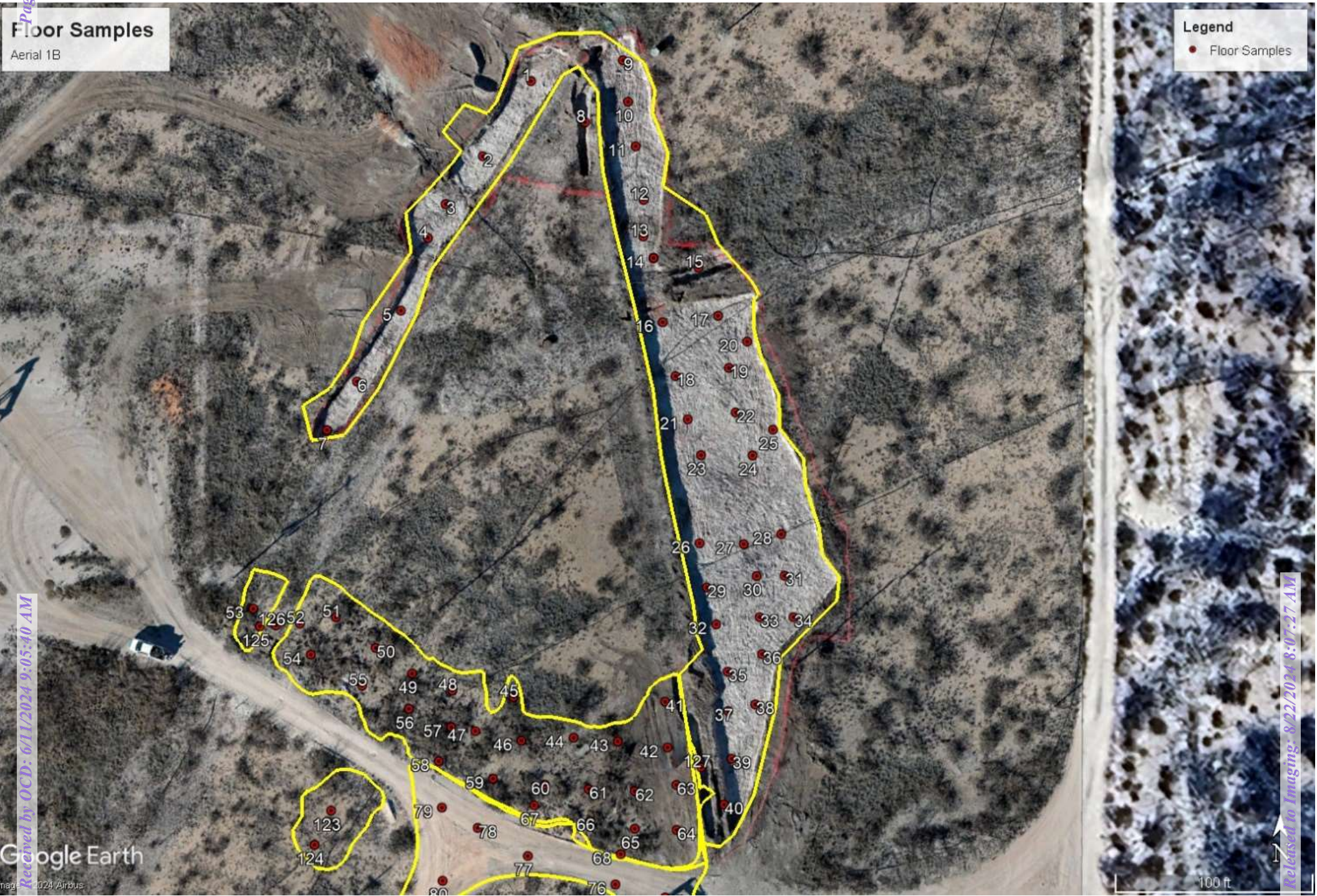
Floor Samples

Google Earth

Received by OCD: 6/11/2024 9:05:40 AM

Released to Imaging: 8/22/2024 8:07:27 AM

Image © 2024 Airbus





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Received by OGD: 6/11/2024 9:05:40 AM

Floor Samples

Aerial 1C

Legend

- Floor Samples



Google Earth

Released to Imaging: 8/22/2024 8:07:27 AM



All Samples  
Aerial 1D

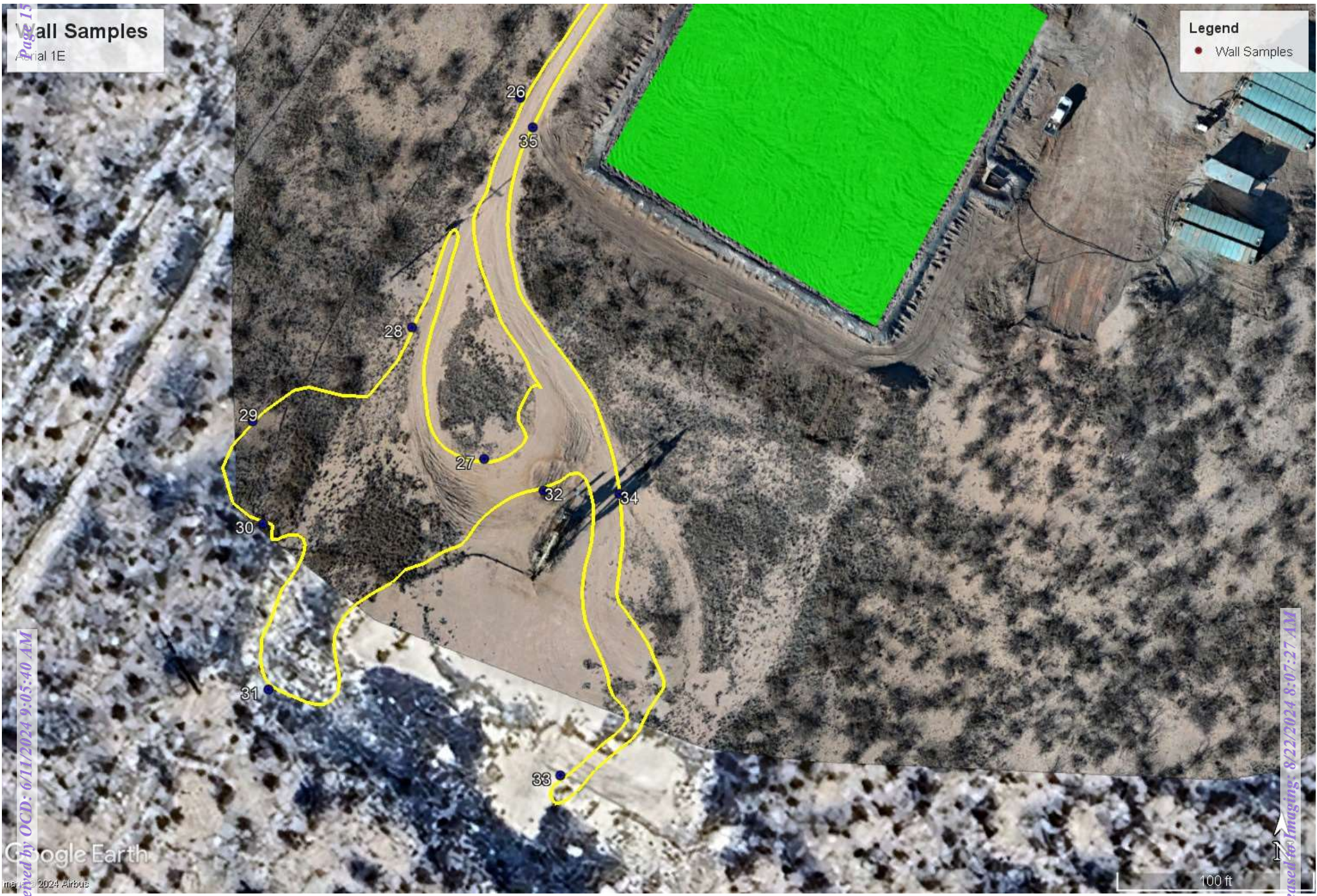
Legend  
● Wall Samples





All Samples  
Aerial 1E

Legend  
● Wall Samples





Floor Samples  
Aerial 1F





## SITE PHOTOGRAPHS





























C-141

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

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

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

Incident ID	NAPP2307355788
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Apache Corporation	OGRID 873
Contact Name Larry Baker	Contact Telephone 432-818-1654
Contact email larry.baker@apachecorp.com	Incident # (assigned by OCD)
Contact mailing address 303 Veterans Airpark Lane Midland, TX 79705	

Location of Release Source

Latitude 32.50402 Longitude -103.14070  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name NEDU Injection Line 303	Site Type Injection Line
Date Release Discovered 3/8/2023	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	2	21S	37E	Lea

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: )

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 251 barrels	Volume Recovered (bbls) 60 barrels
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release 6 inch steel cemented line corroded.

Incident ID	NAPP2307355788
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?  Release was greater than 25 barrels
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Larry Baker notified Mike Bratcher via email on 3/8/2023.	

## Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:  	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: <u>Larry Baker</u>	Title: <u>Environmental Tech Sr. Staff</u>
Signature: <u>Larry Baker</u>	Date: <u>3/14/2023</u>
email: <u>larry.baker@apachecorp.com</u>	Telephone: <u>432-818-1654</u>
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>03/14/2023</u>

### Volume Calculation

#### Pasture:

2997 cubic feet of soil contamination X 7.48 gallons per cubic foot = 22420 gallons/42 gallons to a barrel= 533 barrels X .33 soil porosity= 176 barrels

#### Lease pad:

1764 cubic feet of soil contamination X 7.48 per cubic foot = 13,194 gallons/42 gallons to a barrel=314 barrels X .05 soil porosity= 15 barrels

#### Total:

176+15=191 + 60 recovered= 251 barrels.



**From:** [Baker, Larry](#)  
**To:** [Bratcher, Michael, EMNRD](#); [Mann, Ryan](#)  
**Subject:** Reportable Release NEDU Injection Line 313  
**Date:** Wednesday, March 8, 2023 3:37:00 PM

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Gentleman,

Apache Corporation discovered a release today on the NEDU Injection Line 313 (GPS: 32.50402 -103.14070) resulting in the loss of 242 barrels of produced water with 60 barrels recovered. Please let me know if you have any questions or wish to discuss. Thanks and have a good day.

## BRUCE BAKER

ENVIRONMENTAL TECHNICIAN SR STAFF

direct 432-818-1654 | Cell 432-250-8384

APACHE CORPORATION

303 Veterans Airpark Lane  
Midland, TX 79705

[ApacheCorp.com](#) | [LinkedIn](#) | [Facebook](#) | [Twitter](#) | [StockTwits](#) | [YouTube](#)

**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 197071

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 197071
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	None	3/14/2023

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

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

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Larry Baker

Title: Environmental Specialist Sr.

Signature: Larry Baker

Date: 08/22/2024

email: larry.baker@apachecorp.com

Telephone: 432-250-8384

**OCD Only**

Received by: \_\_\_\_\_

Date: \_\_\_\_\_

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_

Title: \_\_\_\_\_

SUMMARY TABLE

Sample ID	Lab Sample ID	Sample Date	Sample Cell Depth	Soil type Treatment Cell	Chloride (mg/kg)	Benzene (mg/kg)	BTEX (mg/kg)	GRO (mg/kg)	DRO (mg/kg)	EXT DRO (mg/kg)
RRALs					600 (mg/kg)	10 (mg/kg)	50 (mg/kg)	100 (mg/kg)		
A1	H240532-01	2/5/2024	0-3'	Treatment Cell	352	<.050	<.300	<10.0	<10.0	<10.0
A2	H240532-02	2/5/2024	0-3'	Treatment Cell	176	<.050	<.300	<10.0	33.2	<10.0
A3	H240532-03	2/5/2024	0-3'	Treatment Cell	544	<.050	<.300	<10.0	20	<10.0
A4	H240532-04	2/5/2024	0-3'	Treatment Cell	544	<.050	<.300	<10.0	<10.0	<10.0
A5	H240532-05	2/5/2024	0-3'	Treatment Cell	528	<.050	<.300	<10.0	35	<10.0
A6	H240532-06	2/5/2024	0-3'	Treatment Cell	288	<.050	<.300	<10.0	<10.0	<10.0
A7	H240532-07	2/5/2024	0-3'	Treatment Cell	240	<.050	<.300	<10.0	<10.0	<10.0
A8	H240532-08	2/5/2024	0-3'	Treatment Cell	288	<.050	<.300	<10.0	<10.0	<10.0
B1	H240532-09	2/5/2024	0-3'	Treatment Cell	480	<.050	<.300	<10.0	<10.0	<10.0
B2	H240532-10	2/5/2024	0-3'	Treatment Cell	592	<.050	<.300	<10.0	<10.0	<10.0
B3	H240532-11	2/5/2024	0-3'	Treatment Cell	432	<.050	<.300	<10.0	<10.0	<10.0
B4	H240532-12	2/5/2024	0-3'	Treatment Cell	272	<.050	<.300	<10.0	<10.0	<10.0
B5	H240532-13	2/5/2024	0-3'	Treatment Cell	576	<.050	<.300	<10.0	<10.0	<10.0
B6	H240532-14	2/5/2024	0-3'	Treatment Cell	496	<.050	<.300	<10.0	<10.0	<10.0
B7	H240532-15	2/5/2024	0-3'	Treatment Cell	176	<.050	<.300	<10.0	44.6	<10.0
B8	H240532-16	2/5/2024	0-3'	Treatment Cell	224	<.050	<.300	<10.0	15.1	<10.0
C1	H240532-17	2/5/2024	0-3'	Treatment Cell	224	<.050	<.300	<10.0	81.1	29.9
C1	H240591-01	2/7/2024	0-3'	Treatment Cell	-	-	-	<10.0	<10.0	<10.0
C2	H240532-18	2/5/2024	0-3'	Treatment Cell	384	<.050	<.300	<10.0	25.3	<10.0
C3	H240532-19	2/5/2024	0-3'	Treatment Cell	272	<.050	<.300	<10.0	<10.0	<10.0
C4	H240532-20	2/5/2024	0-3'	Treatment Cell	320	<.050	<.300	<10.0	<10.0	<10.0
C5	H240532-21	2/5/2024	0-3'	Treatment Cell	560	<.050	<.300	<10.0	<10.0	<10.0
C6	H240532-22	2/5/2024	0-3'	Treatment Cell	448	<.050	<.300	<10.0	28.4	<10.0
C7	H240532-23	2/5/2024	0-3'	Treatment Cell	128	<.050	<.300	<10.0	<10.0	<10.0
C8	H240532-24	2/5/2024	0-3'	Treatment Cell	432	<.050	<.300	<10.0	<10.0	<10.0
D1	H240532-25	2/5/2024	0-3'	Treatment Cell	400	<.050	<.300	<10.0	51	12.8
D2	H240532-26	2/5/2024	0-3'	Treatment Cell	688	<.050	<.300	<10.0	<10.0	<10.0
D2	H240591-02	2/7/2024	0-3'	Treatment Cell	416	-	-	-	-	-
D3	H240532-27	2/5/2024	0-3'	Treatment Cell	816	<.050	<.300	<10.0	24.4	<10.0
D3	H240591-03	2/7/2024	0-3'	Treatment Cell	448	-	-	-	-	-
D4	H240532-28	2/5/2024	0-3'	Treatment Cell	384	<.050	<.300	<10.0	33.1	<10.0
D5	H240532-29	2/5/2024	0-3'	Treatment Cell	480	<.050	<.300	<10.0	24.5	<10.0
D6	H240532-30	2/5/2024	0-3'	Treatment Cell	464	<.050	<.300	<10.0	<10.0	<10.0
D7	H240532-31	2/5/2024	0-3'	Treatment Cell	368	<.050	<.300	<10.0	<10.0	<10.0
D8	H240532-32	2/5/2024	0-3'	Treatment Cell	448	<.050	<.300	<10.0	<10.0	<10.0
E1	H241313-01	3/13/2024	0-3'	Treatment Cell	464	<.050	<.300	<10.0	<10.0	<10.0
E2	H241313-02	3/13/2024	0-3'	Treatment Cell	384	<.050	<.300	<10.0	<10.0	<10.0
E3	H241313-03	3/13/2024	0-3'	Treatment Cell	816	<.050	<.300	<10.0	<10.0	<10.0
E3	H241433-01	3/19/2024	0-3'	Treatment Cell	192	-	-	-	-	-
E4	H241313-04	3/13/2024	0-3'	Treatment Cell	480	<.050	<.300	<10.0	<10.0	<10.0

E5	H241313-05	3/13/2024	0-3'	Treatment Cell	336	<.050	<.300	<10.0	<10.0	<10.0
E6	H241313-06	3/13/2024	0-3'	Treatment Cell	608	<.050	<.300	<10.0	<10.0	<10.0
E6	H241433-02	3/19/2024	0-3'	Treatment Cell	288	-	-	-	-	-
E7	H241313-07	3/13/2024	0-3'	Treatment Cell	736	<.050	<.300	<10.0	<10.0	<10.0
E7	H241433-03	3/19/2024	0-3'	Treatment Cell	320	-	-	-	-	-
E8	H241313-08	3/13/2024	0-3'	Treatment Cell	272	<.050	<.300	<10.0	<10.0	<10.0
F1	H241313-09	3/13/2024	0-3'	Treatment Cell	416	<.050	<.300	<10.0	<10.0	<10.0
F2	H241313-10	3/13/2024	0-3'	Treatment Cell	608	<.050	<.300	<10.0	80.1	37.3
F2	H241433-04	3/19/2024	0-3'	Treatment Cell	352	-	-	-	<10.0	<10.0
F3	H241313-11	3/13/2024	0-3'	Treatment Cell	448	<.050	<.300	<10.0	<10.0	<10.0
F4	H241313-12	3/13/2024	0-3'	Treatment Cell	416	<.050	<.300	<10.0	75.1	33.8
F4	H241433-05	3/19/2024	0-3'	Treatment Cell	-	-	-	-	<10.0	<10.0
F5	H241313-13	3/13/2024	0-3'	Treatment Cell	1040	<.050	<.300	<10.0	<10.0	<10.0
F5	H241433-06	3/19/2024	0-3'	Treatment Cell	176	-	-	-	-	-
F6	H241313-14	3/13/2024	0-3'	Treatment Cell	496	<.050	<.300	<10.0	<10.0	<10.0
F7	H241313-15	3/13/2024	0-3'	Treatment Cell	720	<.050	<.300	<10.0	26.1	<10.0
F7	H241433-07	3/19/2024	0-3'	Treatment Cell	256	-	-	-	-	-
F8	H241313-16	3/13/2024	0-3'	Treatment Cell	528	<.050	<.300	<10.0	<10.0	<10.0
G1	H241313-17	3/13/2024	0-3'	Treatment Cell	336	<.050	<.300	<10.0	15.6	<10.0
G2	H241313-18	3/13/2024	0-3'	Treatment Cell	144	<.050	<.300	<10.0	<10.0	<10.0
G3	H241313-19	3/13/2024	0-3'	Treatment Cell	416	<.050	<.300	<10.0	<10.0	<10.0
G4	H241313-20	3/13/2024	0-3'	Treatment Cell	336	<.050	<.300	<10.0	10.3	<10.0
G5	H241313-21	3/13/2024	0-3'	Treatment Cell	448	<.050	<.300	<10.0	<10.0	<10.0
G6	H241313-22	3/13/2024	0-3'	Treatment Cell	688	<.050	<.300	<10.0	<10.0	<10.0
G6	H241433-08	3/19/2024	0-3'	Treatment Cell	336	-	-	-	-	-
G7	H241313-23	3/13/2024	0-3'	Treatment Cell	432	<.050	<.300	<10.0	<10.0	<10.0
G8	H241313-24	3/13/2024	0-3'	Treatment Cell	144	<.050	<.300	<10.0	10.2	<10.0
H1	H241313-25	3/13/2024	0-3'	Treatment Cell	144	<.050	<.300	<10.0	<10.0	<10.0
H2	H241313-26	3/13/2024	0-3'	Treatment Cell	240	<.050	<.300	<10.0	44.3	17.7
H3	H241313-27	3/13/2024	0-3'	Treatment Cell	336	<.050	<.300	<10.0	22.1	<10.0
H4	H241313-28	3/13/2024	0-3'	Treatment Cell	128	<.050	<.300	<10.0	17.9	<10.0
H5	H241313-29	3/13/2024	0-3'	Treatment Cell	384	<.050	<.300	<10.0	16.9	<10.0
H6	H241313-30	3/13/2024	0-3'	Treatment Cell	192	<.050	<.300	<10.0	<10.0	<10.0
H7	H241313-31	3/13/2024	0-3'	Treatment Cell	304	<.050	<.300	<10.0	<10.0	<10.0
H8	H241313-32	3/13/2024	0-3'	Treatment Cell	272	<.050	<.300	<10.0	<10.0	<10.0

## DELINEATION TABLE

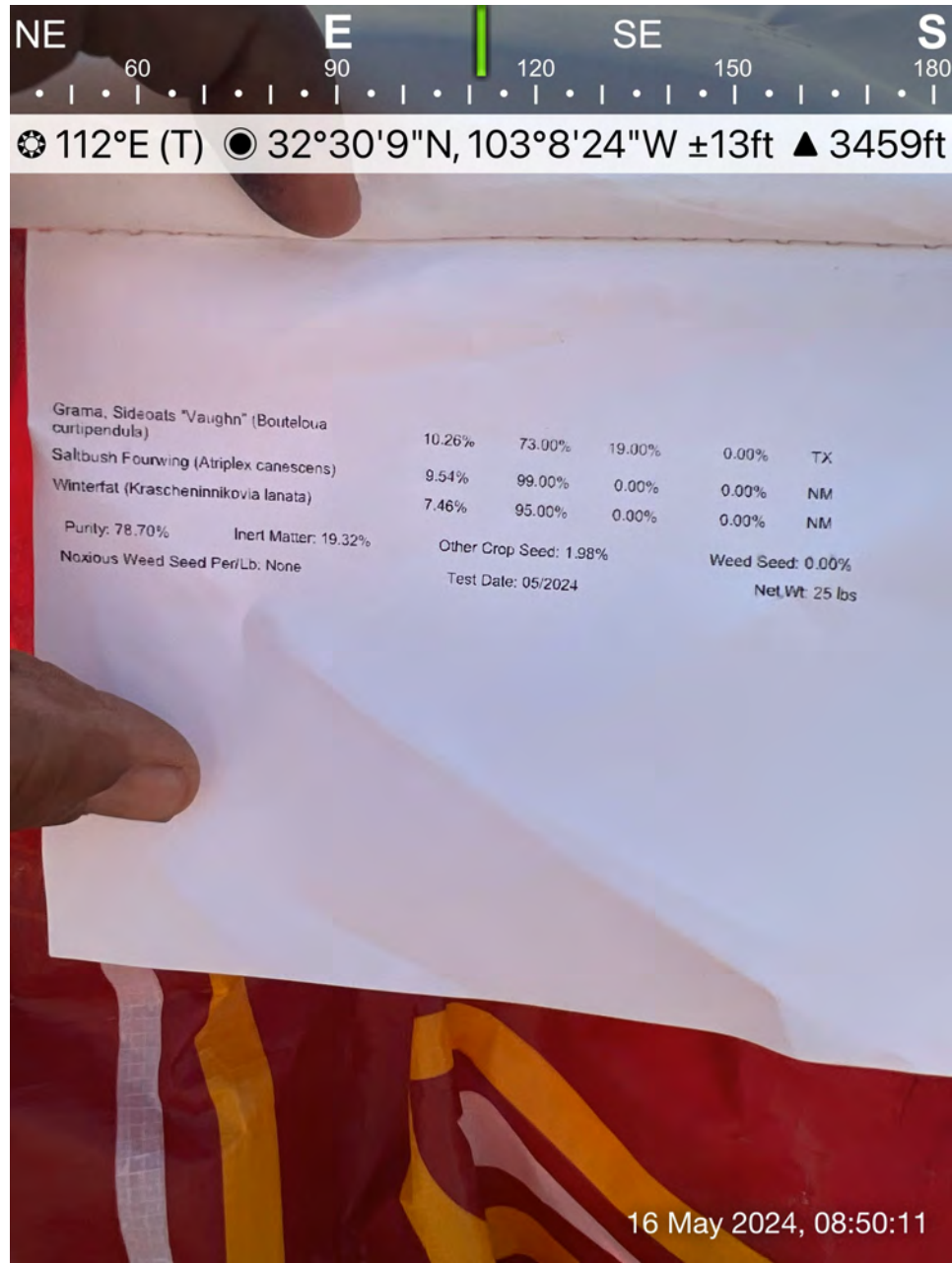
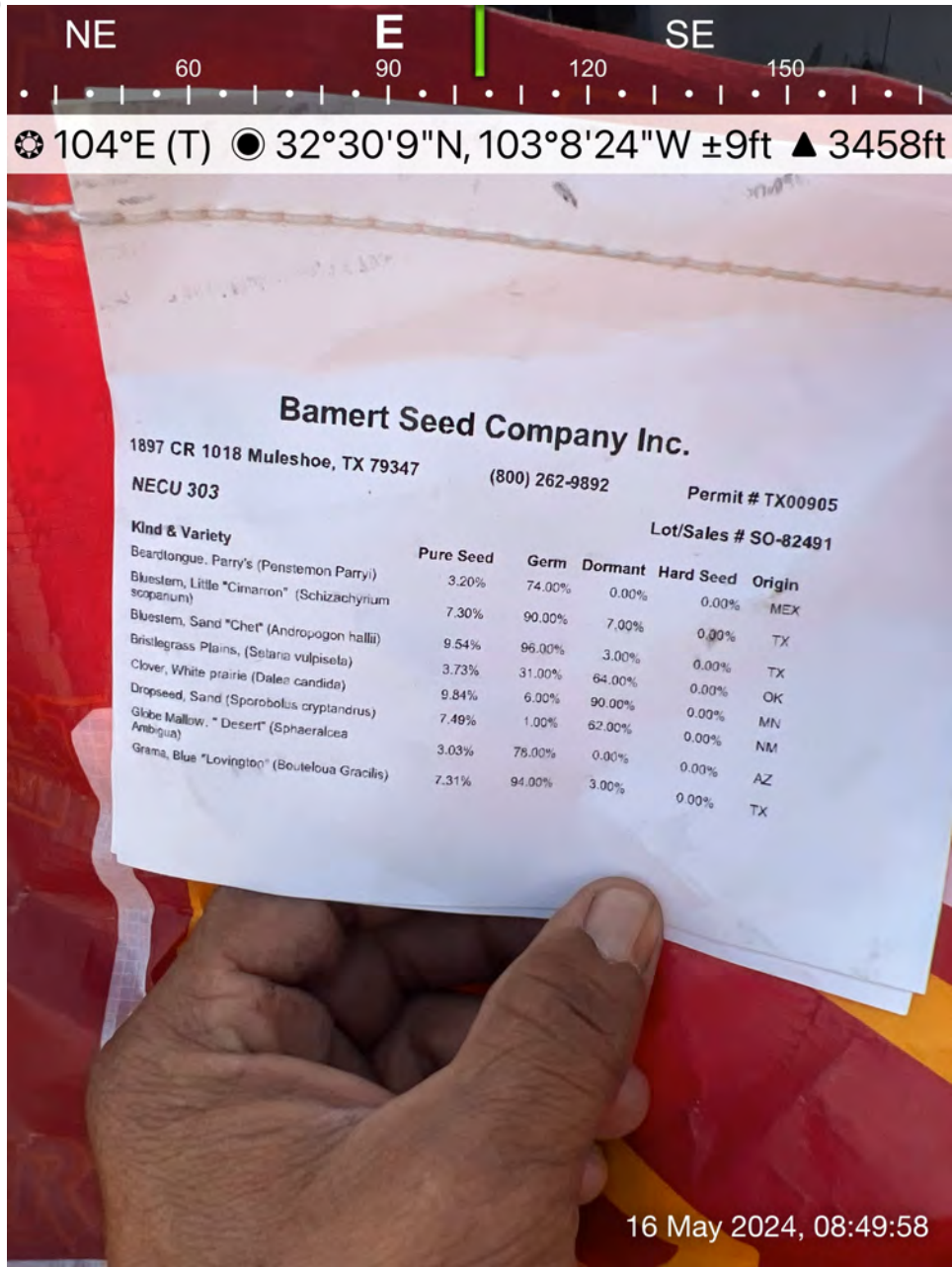




Page 2

B96 FLOOR	H241176-21		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	960
B97 FLOOR	H241176-22		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1570
B98 FLOOR	H241176-23		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	496
B99 FLOOR	H241176-24		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368
B100 FLOOR	H241176-25		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6400
B101 FLOOR	H241176-26		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2480
B102 FLOOR	H241176-27		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2520
B103 FLOOR	H241176-28		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1280
B104 FLOOR	H241176-29		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
B105 FLOOR	H241176-30		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64
B106 FLOOR	H241176-31		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
B107 FLOOR	H241176-32		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	560
B108 FLOOR	H241176-33		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5040
B109 FLOOR	H241176-34		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1010
B110 FLOOR	H241176-35		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
B111 FLOOR	H241176-36		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	752
B112 FLOOR	H241176-37		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3760
B113 FLOOR	H241176-38		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1390
B114 FLOOR	H241176-39		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1150
B115 FLOOR	H241176-40		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<16.0
B116 FLOOR	H241176-41		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
B117 FLOOR	H241176-42		COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16
B118 FLOOR	H241176-43				<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	992
B119 FLOOR	H241176-44	4'	COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
B120 FLOOR	H241176-45	4'	COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	368
B121 FLOOR	H241176-46	4'	COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80
B122 FLOOR	H241176-47	4'	COMP	3/7/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
B123 FLOOR	H241204-13	6"	COMP	3/8/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	832
B123 FLOOR	H241429-01	1'	COMP	3/19/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	116	11.8	127.8	32
B124 FLOOR	H241204-13	6"	COMP	3/8/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14	<10.0	14	1410
B124 FLOOR	H241429-02	1'	COMP	3/19/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80
B125 FLOOR	H241709-01	4'	COMP	4/2/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2450
B126 FLOOR	H241709-01	0.4'	COMP	4/2/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1950
B127 FLOOR	H241709-02	4'	COMP	4/2/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	880

## REVEGETATION







☀ 193°S (T) ● 32°30'9"N, 103°8'25"W ±9ft ▲ 3478ft



16 May 2024, 09:50:17



☀ 220°SW (T) ● 32°30'9"N, 103°8'25"W ±9ft ▲ 3467ft



16 May 2024, 11:44:18

## FINAL SAMPLING NOTIFICATIONS



**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

QUESTIONS  
  
Action 310326

QUESTIONS

Operator: RXSoil, Inc. 105 W Main St Decatur, TX 76234	OGRID: 329578
	Action Number: 310326
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2307355788
Incident Name	NAPP2307355788 NEDU INJECTION LINE 303 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	NEDU INJECTION LINE 303
Date Release Discovered	03/08/2023
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	900
What is the estimated number of samples that will be gathered	32
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	02/05/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Sampler: Jason Cave / Tristian Turley (682) 308-7187 / (682) 206-7106
Please provide any information necessary for navigation to sampling site	32.502280°, -103.140914°

**District I**  
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**District II**  
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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  
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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 310326

CONDITIONS

Operator: RXSoil, Inc. 105 W Main St Decatur, TX 76234	OGRID: 329578
	Action Number: 310326
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
zrobbs	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	2/1/2024



**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

QUESTIONS  
  
Action 321543

QUESTIONS

Operator: RXSoil, Inc. 105 W Main St Decatur, TX 76234	OGRID: 329578
	Action Number: 321543
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2307355788
Incident Name	NAPP2307355788 NEDU INJECTION LINE 303 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved

Location of Release Source	
Site Name	NEDU INJECTION LINE 303
Date Release Discovered	03/08/2023
Surface Owner	State

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	31,000
What is the estimated number of samples that will be gathered	32
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/13/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Jason Cave 682-308-7187
Please provide any information necessary for navigation to sampling site	Head south from hobbs on Hwy 18 for 12 miles. Take a right on 207 and travel 1.43 miles. Location will be on your left. 32.502261°, -103.140900°

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

CONDITIONS  
  
Action 321543

CONDITIONS

Operator: RXSoil, Inc. 105 W Main St Decatur, TX 76234	OGRID: 329578
	Action Number: 321543
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
zrobbs	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	3/8/2024

## LABORATORY ANALYSIS



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

February 07, 2024

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: NEDU 303

Enclosed are the results of analyses for samples received by the laboratory on 02/05/24 14:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://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:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: A1 (H240532-01)**

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	02/06/2024	ND	2.03	101	2.00	8.82	
Toluene*	<0.050	0.050	02/06/2024	ND	2.02	101	2.00	9.03	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.01	101	2.00	9.21	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	5.88	98.1	6.00	9.30	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	02/06/2024	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	208	104	200	2.41	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	225	112	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: A2 (H240532-02)**

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	02/06/2024	ND	2.03	101	2.00	8.82		
Toluene*	<0.050	0.050	02/06/2024	ND	2.02	101	2.00	9.03		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.01	101	2.00	9.21		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	5.88	98.1	6.00	9.30		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	02/06/2024	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	208	104	200	2.41	
DRO >C10-C28*	33.2	10.0	02/06/2024	ND	225	112	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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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:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: A3 (H240532-03)**

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	02/06/2024	ND	2.03	101	2.00	8.82		
Toluene*	<0.050	0.050	02/06/2024	ND	2.02	101	2.00	9.03		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.01	101	2.00	9.21		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	5.88	98.1	6.00	9.30		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	02/06/2024	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	208	104	200	2.41	
DRO >C10-C28*	20.0	10.0	02/06/2024	ND	225	112	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: A4 (H240532-04)**

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	02/06/2024	ND	2.03	101	2.00	8.82		
Toluene*	<0.050	0.050	02/06/2024	ND	2.02	101	2.00	9.03		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.01	101	2.00	9.21		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	5.88	98.1	6.00	9.30		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	02/06/2024	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	208	104	200	2.41	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	225	112	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: A5 (H240532-05)**

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	02/06/2024	ND	2.03	101	2.00	8.82	
Toluene*	<0.050	0.050	02/06/2024	ND	2.02	101	2.00	9.03	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.01	101	2.00	9.21	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	5.88	98.1	6.00	9.30	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	02/06/2024	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	35.0	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 65.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: A6 (H240532-06)**

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	02/06/2024	ND	2.03	101	2.00	8.82		
Toluene*	<0.050	0.050	02/06/2024	ND	2.02	101	2.00	9.03		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.01	101	2.00	9.21		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	5.88	98.1	6.00	9.30		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	02/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 71.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: A7 (H240532-07)**

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	02/06/2024	ND	2.03	101	2.00	8.82	
Toluene*	<0.050	0.050	02/06/2024	ND	2.02	101	2.00	9.03	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.01	101	2.00	9.21	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	5.88	98.1	6.00	9.30	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/06/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 62.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: A8 (H240532-08)**

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	02/06/2024	ND	2.03	101	2.00	8.82		
Toluene*	<0.050	0.050	02/06/2024	ND	2.02	101	2.00	9.03		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.01	101	2.00	9.21		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	5.88	98.1	6.00	9.30		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	02/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 70.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.6 % 49.1-148

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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B1 (H240532-09)**

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	02/06/2024	ND	2.03	101	2.00	8.82	
Toluene*	<0.050	0.050	02/06/2024	ND	2.02	101	2.00	9.03	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.01	101	2.00	9.21	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	5.88	98.1	6.00	9.30	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	02/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 66.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.0 % 49.1-148

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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B2 (H240532-10)**

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	02/06/2024	ND	2.17	109	2.00	2.09		
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	02/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 74.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B3 (H240532-11)**

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	02/06/2024	ND	2.17	109	2.00	2.09	
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/06/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 71.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.1 % 49.1-148

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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B4 (H240532-12)**

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	02/06/2024	ND	2.17	109	2.00	2.09	
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	02/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 70.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B5 (H240532-13)**

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	02/06/2024	ND	2.17	109	2.00	2.09	
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	02/06/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 69.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B6 (H240532-14)**

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	02/06/2024	ND	2.17	109	2.00	2.09	
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	02/06/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 69.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B7 (H240532-15)**

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	02/06/2024	ND	2.17	109	2.00	2.09	
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	02/06/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	44.6	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 68.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B8 (H240532-16)**

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	02/06/2024	ND	2.17	109	2.00	2.09		
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	02/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	15.1	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 69.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: C1 (H240532-17)**

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	02/06/2024	ND	2.17	109	2.00	2.09	
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/06/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	81.1	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	29.9	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 66.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: C2 (H240532-18)**

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	02/06/2024	ND	2.17	109	2.00	2.09		
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	02/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	25.3	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 68.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: C3 (H240532-19)**

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	02/06/2024	ND	2.17	109	2.00	2.09	
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	02/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 73.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: C4 (H240532-20)**

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	02/06/2024	ND	2.17	109	2.00	2.09		
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	02/06/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 70.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: C5 (H240532-21)**

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	02/06/2024	ND	2.17	109	2.00	2.09	
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	02/06/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 66.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.4 % 49.1-148

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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:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: C6 (H240532-22)**

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	02/06/2024	ND	2.17	109	2.00	2.09	
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	02/06/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	28.4	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 73.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.7 % 49.1-148

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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: C7 (H240532-23)**

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	02/06/2024	ND	2.17	109	2.00	2.09	
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/06/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 64.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: C8 (H240532-24)**

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	02/06/2024	ND	2.17	109	2.00	2.09		
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/06/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	206	103	200	7.26	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	206	103	200	5.65	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 65.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: D1 (H240532-25)**

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	02/06/2024	ND	2.17	109	2.00	2.09	
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26	
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31	
Total BTEX	<0.300	0.300	02/06/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/06/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	209	105	200	1.74	
DRO >C10-C28*	51.0	10.0	02/06/2024	ND	203	102	200	7.96	
EXT DRO >C28-C36	12.8	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: D2 (H240532-26)**

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	02/06/2024	ND	2.17	109	2.00	2.09		
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	02/06/2024	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	209	105	200	1.74	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	203	102	200	7.96	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: D3 (H240532-27)**

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	02/06/2024	ND	2.17	109	2.00	2.09		
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	02/06/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	209	105	200	1.74	
DRO >C10-C28*	24.4	10.0	02/06/2024	ND	203	102	200	7.96	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: D4 (H240532-28)**

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	02/06/2024	ND	2.17	109	2.00	2.09		
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	02/06/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	209	105	200	1.74	
DRO >C10-C28*	33.1	10.0	02/06/2024	ND	203	102	200	7.96	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: D5 (H240532-29)**

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	02/06/2024	ND	2.17	109	2.00	2.09		
Toluene*	<0.050	0.050	02/06/2024	ND	2.17	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.15	108	2.00	2.26		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.31	105	6.00	2.31		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	02/06/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	209	105	200	1.74	
DRO >C10-C28*	24.5	10.0	02/06/2024	ND	203	102	200	7.96	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.6 % 49.1-148

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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:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: D6 (H240532-30)**

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	02/06/2024	ND	2.04	102	2.00	5.46		
Toluene*	<0.050	0.050	02/06/2024	ND	2.06	103	2.00	5.71		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.03	102	2.00	6.11		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.12	102	6.00	4.99		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	02/06/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	209	105	200	1.74	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	203	102	200	7.96	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: D7 (H240532-31)**

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	02/06/2024	ND	2.04	102	2.00	5.46		
Toluene*	<0.050	0.050	02/06/2024	ND	2.06	103	2.00	5.71		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.03	102	2.00	6.11		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.12	102	6.00	4.99		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	02/06/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	209	105	200	1.74	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	203	102	200	7.96	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 80.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 02/05/2024  
 Reported: 02/07/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 02/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: D8 (H240532-32)**

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	02/06/2024	ND	2.04	102	2.00	5.46		
Toluene*	<0.050	0.050	02/06/2024	ND	2.06	103	2.00	5.71		
Ethylbenzene*	<0.050	0.050	02/06/2024	ND	2.03	102	2.00	6.11		
Total Xylenes*	<0.150	0.150	02/06/2024	ND	6.12	102	6.00	4.99		
Total BTEX	<0.300	0.300	02/06/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	02/06/2024	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/06/2024	ND	209	105	200	1.74	
DRO >C10-C28*	<10.0	10.0	02/06/2024	ND	203	102	200	7.96	
EXT DRO >C28-C36	<10.0	10.0	02/06/2024	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-05            The surrogate recovery is outside of lab established statistical control limits but still within method limits. Data is not adversely affected.
- ND             Analyte NOT DETECTED at or above the reporting limit
- RPD            Relative Percent Difference
- \*\*              Samples not received at proper temperature of 6°C or below.
- \*\*\*             Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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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: <u>RX Soil</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																																			
Project Manager: <u>Stan Mickle</u>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chlorides</div> <div>TPH</div> <div>B-TEX</div> </div>																																			
Address: <u>105 W Main St</u>				Company: <u>Apache Corp</u>																																							
City: <u>Decatur</u> State: <u>TX</u> Zip: <u>76234</u>				Attn: <u>Bruce Baker</u>																																							
Phone #: <u>682-352-1039</u> Fax #:				Address:																																							
Project #:				City:																																							
Project Name: <u>NEOU 303</u>				State: Zip:																																							
Project Location: <u>Eunice, NM</u>				Phone #:																																							
Sampler Name: <u>Tristan Turley</u>				Fax #:																																							
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																													
										GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME													
H240538		1		A1		C		1																				215/24		1:00pm													
2		A2																																									
3		A3																																									
4		A4																																									
5		A5																																									
6		A6																																									
7		A7																																									
8		A8																																									
9		B1																																									
10		B2																																									

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Relinquished By: <u>[Signature]</u>		Date: <u>2-5-24</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <u>1445</u>		Time: <u>1445</u>		Time: <u>1445</u>		All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS: <u>email to Rx group, Larry.baker@apachecorp.com, cesar.rocha@apachecorp.com</u>	
Time:		Time:		Time:		Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		812	
				Yes <input type="checkbox"/> No <input type="checkbox"/>			
				Yes <input type="checkbox"/> No <input type="checkbox"/>			
				Cool <input type="checkbox"/> Intact <input type="checkbox"/>		Bacteria (only) Sample Condition	
				Yes <input type="checkbox"/> No <input type="checkbox"/>		Cool <input type="checkbox"/> Intact <input type="checkbox"/>	
				Yes <input type="checkbox"/> No <input type="checkbox"/>		Observed Temp. °C	
				Yes <input type="checkbox"/> No <input type="checkbox"/>		Corrected Temp. °C	

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>RX Soil</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: <u>Stan Mickle</u>				P.O. #:															
Address: <u>105 W Main St</u>				Company: <u>Apache Corp</u>															
City: <u>Decatur</u> State: <u>TX</u> Zip: <u>76234</u>				Attn: <u>Bruce Baker</u>															
Phone #: <u>682-352-1039</u> Fax #:				Address:															
Project #: Project Owner: <u>Stan Mickle</u>				City:															
Project Name: <u>NEDU 303</u>				State: Zip:															
Project Location: <u>Eunice, NM</u>				Phone #:															
Sampler Name: <u>Tristan Turley</u>				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING		Chlorides		TPH		B-Tex	
H240532								GROUNDWATER		ACID/BASE:		DATE		TIME					
								WASTEWATER		ICE / COOL		2/5/24		1:00pm		X		X	
11		B3		C		1		SOIL		✓						X		X	
12		B4						OIL											
13		B5						SLUDGE											
14		B6						OTHER:		OTHER:									
15		B7																	
16		B8																	
17		C1																	
18		C2																	
19		C3																	
20		C4																	

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Relinquished By: <u>[Signature]</u>		Date: <u>2-5-24</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <u>1445</u>		Time: <u>1445</u>		All Results are emailed. Please provide Email address:		REMARKS: <u>Cl. Rush added 2/6/24 so.</u>	
Relinquished By:		Date:		Received By:		email to Rxgroup, larry.baker@apachecorp.com	
Time:		Time:				cesar.rocha@apachecorp.com	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
FORM-000 R 3-4 07/11/23				CHECKED BY: (Initials) <u>[Signature]</u>		Thermometer ID #140 Correction Factor 0°C	
						Observed Temp. °C Corrected Temp. °C	

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(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>RX Soil</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: <u>Stan Mickle</u>				P.O. #:															
Address: <u>105 W Main St</u>				Company: <u>Apache Corp</u>															
City: <u>Decatur</u> State: <u>TX</u> Zip: <u>76234</u>				Attn: <u>Bruce Baker</u>															
Phone #: <u>682-352-1039</u> Fax #:				Address:															
Project #: Project Owner: <u>Stan Mickle</u>				City:															
Project Name: <u>NEDU 303</u>				State: Zip:															
Project Location: <u>Eunice, NM</u>				Phone #:															
Sampler Name: <u>Tristan Turley</u>				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING		<u>Chlorides</u> <u>TPH</u> <u>B-Tex</u>							
21		C5		C		GROUNDWATER		ACID/BASE:		DATE		TIME							
22		C6		C		WASTEWATER		ICE / COOL		2/5/24		1:08pm		X					
23		C7		C		SOIL		OTHER:						X					
24		C8		C		OIL								X					
25		D1		C		SLUDGE													
26		D2		C		OTHER:													
27		D3		C															
28		D4		C															
29		D5		C															
30		D6		C															

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Relinquished By: <u>[Signature]</u>		Date: <u>2-5-24</u>	Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By: <u>[Signature]</u>		Time: <u>1445</u>	Received By: <u>[Signature]</u>		All Results are emailed. Please provide Email address:	
Delivered By: (Circle One)		Observed Temp. °C <u>2-2</u>	Sample Condition		REMARKS: <u>CL Rush added 2/6/24 to email to Rxgroup, larry.baker@apachecorp.com, cesar.rocha@apachecorp.com</u>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C	CHECKED BY: (Initials) <u>[Signature]</u>		Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> <u>Rush</u> <input type="checkbox"/>	
			Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Bacteria (only) Sample Condition	
					Cool <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	
					Observed Temp. °C	
					Corrected Temp. °C	

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>RX Soil</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: <u>Stan Mickle</u>				P.O. #:															
Address: <u>105 W Main St</u>				Company: <u>Apache Corp</u>															
City: <u>Decatur</u> State: <u>TX</u> Zip: <u>76234</u>				Attn: <u>Bruce Baker</u>															
Phone #: <u>682-352-1039</u> Fax #:				Address:															
Project #: Project Owner: <u>Stan Mickle</u>				City:															
Project Name: <u>NEDU 303</u>				State: Zip:															
Project Location: <u>Eunice, NM</u>				Phone #:															
Sampler Name: <u>Tristan Turley</u>				Fax #:															
FOR LAB USE ONLY		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING		Chlorides TPH B-TEX					
Lab I.D.				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE				OTHER:			
31		D7		C		1				ACID/BASE:									
32		D8		C		1				ICE / COOL									
										OTHER:									
										DATE		TIME							
										2/5/24		1:00pm		XX					
										2/5/24		1:00pm		XX					

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Relinquished By: <u>[Signature]</u>		Date: <u>2-5-24</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <u>1445</u>		Time: <u>1445</u>		Time: <u>1445</u>		All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS: <u>CC Rush added. 2/6/24</u>	
Time:		Time:		Time:		email to <u>RXgroup</u> , <u>tarry.baker@apachecorp.com</u> , <u>Cesar.rocha@apachecorp.com</u>	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact		Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> <u>Rush</u> <input type="checkbox"/>	
				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition	
				<input type="checkbox"/> Yes <input type="checkbox"/> No		Cool Intact Observed Temp. °C	
				<input type="checkbox"/> Yes <input type="checkbox"/> No		Corrected Temp. °C	

FORM-006 R 3-4 07/11/23

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



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

February 08, 2024

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: NEDU 303

Enclosed are the results of analyses for samples received by the laboratory on 02/07/24 14:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://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:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	02/07/2024	Sampling Date:	02/07/2024
Reported:	02/08/2024	Sampling Type:	Soil
Project Name:	NEDU 303	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - EUNICE , NM		

**Sample ID: C1 (H240591-01)**

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/07/2024	ND	241	120	200	9.48	
DRO >C10-C28*	<10.0	10.0	02/07/2024	ND	237	119	200	15.5	
EXT DRO >C28-C36	<10.0	10.0	02/07/2024	ND					
<hr/>									
Surrogate: 1-Chlorooctane	79.3 %	48.2-134							
Surrogate: 1-Chlorooctadecane	87.1 %	49.1-148							

**Sample ID: D2 (H240591-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/08/2024	ND	432	108	400	0.00	

**Sample ID: D3 (H240591-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	02/08/2024	ND	432	108	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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Notes and Definitions

- BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

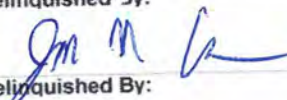
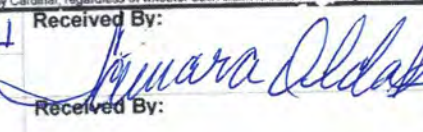


101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> RX Soil <b>Project Manager:</b> Stan Mickle <b>Address:</b> 105 W Main St. <b>City:</b> Decatur <b>State:</b> TX <b>Zip:</b> 76234 <b>Phone #:</b> 682-352-1234 <b>Fax #:</b> <b>Project #:</b> <b>Project Owner:</b> Stan Mickle <b>Project Name:</b> NEDU 393 <b>Project Location:</b> Eunice, NM <b>Sampler Name:</b> Jason Cove				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> Apache Corp <b>Attn:</b> Bruce Baker <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>		<b>ANALYSIS REQUEST</b>													
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING		Chloride TPH									
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER										
H240591 1 2 3	C1 D2 B03	↓				↓				↓			2/7/24	1:00pm					

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors, arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based on any of the above stated reasons or otherwise.

<b>Relinquished By:</b>  <b>Relinquished By:</b>	<b>Date:</b> 2-7-24 <b>Time:</b> 1440 <b>Date:</b> <b>Time:</b>	<b>Received By:</b>  <b>Received By:</b>	<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> <b>All Results are emailed. Please provide Email address:</b> <b>REMARKS:</b> RX group Larry.baker@apachecorp.com Cesar.POcho@apachecorp.com
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other:	<b>Observed Temp. °C</b> 3.7 <b>Corrected Temp. °C</b>	<b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<b>CHECKED BY:</b> (Initials) TO
<b>Turnaround Time:</b> Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		<b>Bacteria (only) Sample Condition</b> Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Thermometer ID #140</b> <b>Correction Factor 0°C</b>		<b>Corrected Temp. °C</b>	

FORM-000 R 3.4 07/11/23

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



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

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March 19, 2024

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: NEDU 303

Enclosed are the results of analyses for samples received by the laboratory on 03/14/24 8:22.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: E1 (H241313-01)**

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	03/14/2024	ND	2.30	115	2.00	3.00		
Toluene*	<0.050	0.050	03/14/2024	ND	2.23	111	2.00	3.01		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	2.21	111	2.00	3.00		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	6.47	108	6.00	3.17		
Total BTEX	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	209	104	200	1.77	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	195	97.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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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:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: E2 (H241313-02)**

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	03/14/2024	ND	2.30	115	2.00	3.00	
Toluene*	<0.050	0.050	03/14/2024	ND	2.23	111	2.00	3.01	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	2.21	111	2.00	3.00	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	6.47	108	6.00	3.17	
Total BTX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	209	104	200	1.77	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	195	97.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: E3 (H241313-03)**

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	03/14/2024	ND	2.30	115	2.00	3.00		
Toluene*	<0.050	0.050	03/14/2024	ND	2.23	111	2.00	3.01		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	2.21	111	2.00	3.00		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	6.47	108	6.00	3.17		
Total BTX	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	209	104	200	1.77	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	195	97.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: E4 (H241313-04)**

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	03/14/2024	ND	2.30	115	2.00	3.00	
Toluene*	<0.050	0.050	03/14/2024	ND	2.23	111	2.00	3.01	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	2.21	111	2.00	3.00	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	6.47	108	6.00	3.17	
Total BTEX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	209	104	200	1.77	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	195	97.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: E5 (H241313-05)**

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	03/14/2024	ND	2.30	115	2.00	3.00	
Toluene*	<0.050	0.050	03/14/2024	ND	2.23	111	2.00	3.01	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	2.21	111	2.00	3.00	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	6.47	108	6.00	3.17	
Total BTX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	209	104	200	1.77	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	195	97.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: E6 (H241313-06)**

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	03/14/2024	ND	2.30	115	2.00	3.00	
Toluene*	<0.050	0.050	03/14/2024	ND	2.23	111	2.00	3.01	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	2.21	111	2.00	3.00	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	6.47	108	6.00	3.17	
Total BTEX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	209	104	200	1.77	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	195	97.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: E7 (H241313-07)**

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	03/14/2024	ND	2.02	101	2.00	11.7	
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73	
Total BTEX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	736	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	209	104	200	1.77	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	195	97.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: E8 (H241313-08)**

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	03/14/2024	ND	2.02	101	2.00	11.7	
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73	
Total BTEX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	209	104	200	1.77	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	195	97.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: F1 (H241313-09)**

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	03/14/2024	ND	2.02	101	2.00	11.7	
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73	
Total BTEX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	209	104	200	1.77	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	195	97.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: F2 (H241313-10)**

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	03/14/2024	ND	2.02	101	2.00	11.7		
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73		
Total BTEX	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	209	104	200	1.77	
DRO >C10-C28*	80.1	10.0	03/14/2024	ND	195	97.4	200	3.24	
EXT DRO >C28-C36	37.3	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: F3 (H241313-11)**

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	03/14/2024	ND	2.02	101	2.00	11.7		
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73		
Total BTEX	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	209	104	200	1.77	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	195	97.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: F4 (H241313-12)**

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	03/14/2024	ND	2.02	101	2.00	11.7	
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73	
Total BTEX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	209	104	200	1.77	
DRO >C10-C28*	75.1	10.0	03/14/2024	ND	195	97.4	200	3.24	
EXT DRO >C28-C36	33.8	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: F5 (H241313-13)**

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	03/14/2024	ND	2.02	101	2.00	11.7	
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73	
Total BTEX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	209	104	200	1.77	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	195	97.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: F6 (H241313-14)**

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	03/14/2024	ND	2.02	101	2.00	11.7		
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73		
Total BTEx	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	209	104	200	1.77	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	195	97.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: F7 (H241313-15)**

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	03/14/2024	ND	2.02	101	2.00	11.7		
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73		
Total BTEX	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	03/14/2024	ND	448	112	400	0.00	QM-07	

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	03/14/2024	ND	209	104	200	1.77	
DRO >C10-C28*	26.1	10.0	03/14/2024	ND	195	97.4	200	3.24	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.3 % 49.1-148

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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: F8 (H241313-16)**

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	03/14/2024	ND	2.02	101	2.00	11.7		
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73		
Total BTEX	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	191	95.4	200	1.52	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	186	93.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: G1 (H241313-17)**

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	03/14/2024	ND	2.02	101	2.00	11.7		
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73		
Total BTEX	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	191	95.4	200	1.52	
DRO >C10-C28*	15.6	10.0	03/14/2024	ND	186	93.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: G2 (H241313-18)**

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	03/14/2024	ND	2.02	101	2.00	11.7		
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73		
Total BTEX	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	191	95.4	200	1.52	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	186	93.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: G3 (H241313-19)**

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	03/14/2024	ND	2.02	101	2.00	11.7	
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73	
Total BTEX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	191	95.4	200	1.52	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	186	93.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: G4 (H241313-20)**

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	03/14/2024	ND	2.02	101	2.00	11.7	
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73	
Total BTEX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	191	95.4	200	1.52	
DRO >C10-C28*	10.3	10.0	03/14/2024	ND	186	93.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: G5 (H241313-21)**

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	03/14/2024	ND	2.02	101	2.00	11.7		
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73		
Total BTEX	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	191	95.4	200	1.52	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	186	93.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: G6 (H241313-22)**

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	03/14/2024	ND	2.02	101	2.00	11.7	
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73	
Total BTEX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	191	95.4	200	1.52	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	186	93.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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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:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: G7 (H241313-23)**

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	03/14/2024	ND	2.02	101	2.00	11.7	
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73	
Total BTEX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	191	95.4	200	1.52	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	186	93.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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\*=Accredited Analyte

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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: G8 (H241313-24)**

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	03/14/2024	ND	2.02	101	2.00	11.7		
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73		
Total BTEX	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	191	95.4	200	1.52	
DRO >C10-C28*	10.2	10.0	03/14/2024	ND	186	93.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: H1 (H241313-25)**

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	03/14/2024	ND	2.02	101	2.00	11.7		
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73		
Total BTEX	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	191	95.4	200	1.52	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	186	93.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: H2 (H241313-26)**

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	03/14/2024	ND	2.02	101	2.00	11.7	
Toluene*	<0.050	0.050	03/14/2024	ND	1.95	97.3	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.98	99.0	2.00	9.95	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	5.93	98.8	6.00	9.73	
Total BTEX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	191	95.4	200	1.52	
DRO >C10-C28*	44.3	10.0	03/14/2024	ND	186	93.2	200	3.98	
EXT DRO >C28-C36	17.7	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: H3 (H241313-27)**

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	03/14/2024	ND	1.93	96.3	2.00	12.7		
Toluene*	<0.050	0.050	03/14/2024	ND	2.01	100	2.00	13.5		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.96	98.0	2.00	13.7		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	6.02	100	6.00	13.9		
Total BTEX	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	191	95.4	200	1.52	
DRO >C10-C28*	22.1	10.0	03/14/2024	ND	186	93.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: H4 (H241313-28)**

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	03/14/2024	ND	1.93	96.3	2.00	12.7	
Toluene*	<0.050	0.050	03/14/2024	ND	2.01	100	2.00	13.5	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.96	98.0	2.00	13.7	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	6.02	100	6.00	13.9	
Total BTEX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	191	95.4	200	1.52	
DRO >C10-C28*	17.9	10.0	03/14/2024	ND	186	93.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: H5 (H241313-29)**

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	03/14/2024	ND	1.93	96.3	2.00	12.7	
Toluene*	<0.050	0.050	03/14/2024	ND	2.01	100	2.00	13.5	
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.96	98.0	2.00	13.7	
Total Xylenes*	<0.150	0.150	03/14/2024	ND	6.02	100	6.00	13.9	
Total BTEX	<0.300	0.300	03/14/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	191	95.4	200	1.52	
DRO >C10-C28*	16.9	10.0	03/14/2024	ND	186	93.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: H6 (H241313-30)**

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	03/14/2024	ND	1.93	96.3	2.00	12.7		
Toluene*	<0.050	0.050	03/14/2024	ND	2.01	100	2.00	13.5		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.96	98.0	2.00	13.7		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	6.02	100	6.00	13.9		
Total BTEx	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	191	95.4	200	1.52	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	186	93.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: H7 (H241313-31)**

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	03/14/2024	ND	1.93	96.3	2.00	12.7		
Toluene*	<0.050	0.050	03/14/2024	ND	2.01	100	2.00	13.5		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.96	98.0	2.00	13.7		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	6.02	100	6.00	13.9		
Total BTEX	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	191	95.4	200	1.52	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	186	93.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/14/2024  
 Reported: 03/19/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/13/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: H8 (H241313-32)**

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	03/14/2024	ND	1.93	96.3	2.00	12.7		
Toluene*	<0.050	0.050	03/14/2024	ND	2.01	100	2.00	13.5		
Ethylbenzene*	<0.050	0.050	03/14/2024	ND	1.96	98.0	2.00	13.7		
Total Xylenes*	<0.150	0.150	03/14/2024	ND	6.02	100	6.00	13.9		
Total BTEX	<0.300	0.300	03/14/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	03/14/2024	ND	448	112	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	03/14/2024	ND	191	95.4	200	1.52	
DRO >C10-C28*	<10.0	10.0	03/14/2024	ND	186	93.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	03/14/2024	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QM-07      The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- BS-3      Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND      Analyte NOT DETECTED at or above the reporting limit
- RPD      Relative Percent Difference
- \*\*      Samples not received at proper temperature of 6°C or below.
- \*\*\*      Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager





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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>RX Soil</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>													
Project Manager: <u>Stan Mickle</u>				P.O. #:																	
Address: <u>105 W Main St</u>				Company: <u>Apache</u>																	
City: <u>Decatur</u> State: <u>TX</u> Zip: <u>76234</u>				Attn: <u>Bruce Baker</u>																	
Phone #: <u>682-352-1039</u> Fax #:				Address:																	
Project #:				City:																	
Project Owner: <u>Stan Mickle</u>				State: Zip:																	
Project Name: <u>NEDU 303</u>				Phone #:																	
Project Location: <u>Eunice, NM</u>				Fax #:																	
Sampler Name: <u>Tristan Turley</u>																					

FOR LAB USE ONLY				MATRIX						PRESERV.		SAMPLING																	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	CE/COOL	OTHER:	DATE	TIME	PH	Chlorides	BTEX												
1	E1	C	1			✓					✓		8/13	9:15am	X	X	X												
2	E2																												
3	E3																												
4	E4																												
5	E5																												
6	E6																												
7	E7																												
8	E8																												
9	F1																												
10	F2																												

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Relinquished By: <u>[Signature]</u>		Date: <u>8-14-24</u>	Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By: <u>[Signature]</u>		Date: <u>8-22</u>	Received By: <u>[Signature]</u>		All Results are emailed. Please provide Email address:	
Relinquished By: <u>[Signature]</u>		Date: <u>8-22</u>	Received By: <u>[Signature]</u>		REMARKS: <u>email to rxgroup, terry.baker@apachecorp.com</u>	
Delivered By: (Circle One)		Observed Temp. °C <u>2.30C</u>	Sample Condition	CHECKED BY: (Initials)	Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> <u>Rush</u> <input type="checkbox"/>	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:		Corrected Temp. °C	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	<u>[Signature]</u>	Thermometer ID #140 Correction Factor 0°C	Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>
FORM-006 R 3.4 07/11/23						Observed Temp. °C Corrected Temp. °C

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





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(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>RX Soil</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																															
Project Manager: <u>Stan Mickie</u>				P.O. #:																																			
Address: <u>105 W Main St</u>				Company: <u>Apache</u>																																			
City: <u>Decatur</u> State: <u>TX</u> Zip: <u>76234</u>				Attn: <u>Bruce Baker</u>																																			
Phone #: <u>682-352-1039</u> Fax #:				Address:																																			
Project #: Project Owner: <u>Stan Mickie</u>				City:																																			
Project Name: <u>NEDU 303</u>				State: Zip:																																			
Project Location: <u>Eunice, NM</u>				Phone #:																																			
Sampler Name: <u>Tristan Turley</u>				Fax #:																																			
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																															
Lab I.D.		Sample I.D.		(GRAB OR (COMP. # CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICEY COOL		OTHER:		DATE		TIME		TPH Chlorides BTEX											
H241313				C																				3/13		9:15am		X X X											
11		F3																																					
12		F4																																					
13		F5																																					
14		F6																																					
15		F7																																					
16		F8																																					
17		G1																																					
18		G2																																					
19		G3																																					
20		G4																																					

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Relinquished By: <u>Tristan Turley</u>		Date: <u>3-14-24</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <u>8:22</u>		Time: <u>8:22</u>		Time: <u>8:22</u>		All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS: <u>email to Regroup, larry.baker@apachecorp.com</u>	
Time:		Time:		Time:			
Delivered By: (Circle One)		Observed Temp. °C <u>2.3</u>		Sample Condition Cool Intact		CHECKED BY: (Initials) <u>DT</u>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>	
				<input type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	
				<input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #140 Correction Factor 0°C	
				<input type="checkbox"/> Yes <input type="checkbox"/> No		Corrected Temp. °C	

FORM-000 R 5-4 07/11/23

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(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>RX Soil</b>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																											
Project Manager: <b>Stan Mickle</b>				P.O. #:																															
Address: <b>105 W Main St</b>				Company: <b>Apache</b>																															
City: <b>Decatur</b> State: <b>TX</b> Zip: <b>76234</b>				Attn: <b>Bruce Baker</b>																															
Phone #: <b>682-352-1039</b> Fax #:				Address:																															
Project #: Project Owner: <b>Stan Mickle</b>				City:																															
Project Name: <b>NEDU 303</b>				State: Zip:																															
Project Location: <b>Eunice, NM</b>				Phone #:																															
Sampler Name: <b>Tristan Turley</b>				Fax #:																															
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																											
Lab I.D. <b>H241313</b>		Sample I.D.		(G/RAB OR (C)OMP. # CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE: ICE/COOL OTHER:		DATE		TIME		Chlorides											
																		3/13		9:15am		TPH													
21		G5																				BTEX													
22		G6																																	
23		G7																																	
24		G8																																	
25		H1																																	
26		H2																																	
27		H3																																	
28		H4																																	
29		H5																																	
30		H6																																	

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Relinquished By:		Date: <b>3-14-24</b>		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <b>8:22</b>		Time: <b>8:22</b>		Time: <b>8:22</b>		All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS: <b>email to rxgroup; larry.baker@apachecorp.com</b>	
Time:		Time:		Time:			
Delivered By: (Circle One)		Observed Temp. °C <b>23.0</b>		Sample Condition Cool Intact		CHECKED BY: (Initials) <b>DA</b>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>	
						Thermometer ID #140 Correction Factor 0°C	
						Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	
						<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	
						Corrected Temp. °C	

FORM-000 R 3.4 07/11/23

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(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>RX Soil</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																																	
Project Manager: <u>Stan Mickie</u>				P.O. #:																																					
Address: <u>105 W Main St</u>				Company: <u>Apache</u>																																					
City: <u>Decatur</u> State: <u>TX</u> Zip: <u>76234</u>				Attn: <u>Bruce Baker</u>																																					
Phone #: <u>682-352-1039</u> Fax #:				Address:																																					
Project #: Project Owner: <u>Stan Mickie</u>				City:																																					
Project Name: <u>NEDU 303</u>				State: Zip:																																					
Project Location: <u>Eunice, NM</u>				Phone #:																																					
Sampler Name: <u>Tristan Turley</u>				Fax #:																																					
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																															
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		(C)EY COOL		OTHER:		DATE		TIME		TPH Chlorides BTEX											
31		H7		C		1																				3/13		9:15am		XX XX XX											
32		H8		C		1																				3/13		9:15am		XX XX XX											

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Relinquished By: <u>[Signature]</u>		Date: <u>3-14-21</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <u>8:22</u>		Time: <u>8:22</u>		Time: <u>8:22</u>		All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS: <u>email to <del>XXXX</del> RXgroup, larry.baker@apachecorp.com</u>	
Time:		Time:		Time:			
Delivered By: (Circle One)		Observed Temp. °C <u>2.3</u>		Sample Condition		CHECKED BY: (Initials) <u>[Signature]</u>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
				<input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #140 Correction Factor 0°C	
				<input type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No	
				<input type="checkbox"/> Yes <input type="checkbox"/> No		Corrected Temp. °C	

FORM-006 R 3.4 07/11/23

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---

March 20, 2024

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: NEDU 303

Enclosed are the results of analyses for samples received by the laboratory on 03/19/24 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/19/2024  
 Reported: 03/20/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: E 3 (H241433-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/20/2024	ND	432	108	400	0.00	

**Sample ID: E 6 (H241433-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/20/2024	ND	432	108	400	0.00	

**Sample ID: E 7 (H241433-03)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/20/2024	ND	432	108	400	0.00	

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/19/2024  
 Reported: 03/20/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: F 2 (H241433-04)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	03/20/2024	ND	432	108	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	03/19/2024	ND	202	101	200	17.3	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	216	108	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					
Surrogate: 1-Chlorooctane	99.8 %	48.2-134							
Surrogate: 1-Chlorooctadecane	113 %	49.1-148							

**Sample ID: F 4 (H241433-05)**

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	03/19/2024	ND	202	101	200	17.3	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	216	108	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					
Surrogate: 1-Chlorooctane	94.8 %	48.2-134							
Surrogate: 1-Chlorooctadecane	106 %	49.1-148							

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:**

RX-SOIL INC.  
 STAN MICKLE  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 03/19/2024  
 Reported: 03/20/2024  
 Project Name: NEDU 303  
 Project Number: NOT GIVEN  
 Project Location: APACHE - EUNICE , NM

Sampling Date: 03/19/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: F 5 (H241433-06)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/20/2024	ND	432	108	400	0.00		

**Sample ID: F 7 (H241433-07)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	03/20/2024	ND	432	108	400	0.00		

**Sample ID: G 6 (H241433-08)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/20/2024	ND	432	108	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager

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**Notes and Definitions**

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

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

---

Celey D. Keene, Lab Director/Quality Manager



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>RXSOIL</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																															
Project Manager: <u>Stan Mickle</u>				P.O. #:																																			
Address: <u>105 W Main</u>				Company: <u>Apache Corp.</u>																																			
City: <u>Dora-tur</u> State: <u>Tx</u> Zip: <u>76234</u>				Attn: <u>Bruce Barker</u>																																			
Phone #: <u>682-352-1039</u> Fax #:				Address:																																			
Project #: _____ Project Owner: <u>Stan Mickle</u>				City:																																			
Project Name: <u>Nedu 303</u>				State: _____ Zip: _____																																			
Project Location: <u>Ennice NM</u>				Phone #:																																			
Sampler Name: <u>Jason Cave</u>				Fax #:																																			
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																													
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											
<u>H241433</u>				<u>C</u>								<u>X</u>								<u>X</u>		<u>X</u>		<u>X</u>		<u>3/19/24</u>		<u>12:00</u>											
<u>082654302</u>		<u>E3</u>																		<u>X</u>		<u>X</u>		<u>X</u>															
		<u>E6</u>																		<u>X</u>		<u>X</u>		<u>X</u>															
		<u>E7</u>																		<u>X</u>		<u>X</u>		<u>X</u>															
		<u>F2</u>																		<u>X</u>		<u>X</u>		<u>X</u>															
		<u>F4</u>																		<u>X</u>		<u>X</u>		<u>X</u>															
		<u>F5</u>																		<u>X</u>		<u>X</u>		<u>X</u>															
		<u>F7</u>																		<u>X</u>		<u>X</u>		<u>X</u>															
		<u>G6</u>																		<u>X</u>		<u>X</u>		<u>X</u>															

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Relinquished By: <u>[Signature]</u>		Date: <u>3-19-24</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By: _____		Time: <u>15:35</u>		Received By: _____		All Results are emailed. Please provide Email address:	
Delivered By: (Circle One)		Observed Temp. °C <u>31.0</u>		Sample Condition		Turnaround Time: <u>Standard</u> <input type="checkbox"/> <u>Rush</u> <input checked="" type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>#140</u>		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition	
				CHECKED BY: <u>[Signature]</u> (Initials)		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
						Observed Temp. °C	
						Corrected Temp. °C	
						Thermometer ID #140	
						Correction Factor 0°C	
						REMARKS: <u>Email to RX Group larry.barker@apachecorp.co</u>	

FORM-006 R 3.4 07/11/23

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



## DELINEATION LAB REPORTS



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

January 31, 2024

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU TRUNKLINE #303

Enclosed are the results of analyses for samples received by the laboratory on 01/26/24 16:33.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B1 @ 4' (H240373-01)**

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	01/29/2024	ND	2.30	115	2.00	1.27		
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04		
Total BTX	<0.300	0.300	01/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	01/29/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B2 @ 4' (H240373-02)**

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	01/29/2024	ND	2.30	115	2.00	1.27		
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04		
Total BTEX	<0.300	0.300	01/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B3 @ 4' (H240373-03)**

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	01/29/2024	ND	2.30	115	2.00	1.27		
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04		
Total BTEx	<0.300	0.300	01/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	01/29/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B4 @ 4' (H240373-04)**

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	01/29/2024	ND	2.30	115	2.00	1.27		
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04		
Total BTEx	<0.300	0.300	01/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/29/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B5 @ 4' (H240373-05)**

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	01/29/2024	ND	2.30	115	2.00	1.27	
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B6 @ 4' (H240373-06)**

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	01/29/2024	ND	2.30	115	2.00	1.27	
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	01/29/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B7 @ 4' (H240373-07)**

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	01/29/2024	ND	2.30	115	2.00	1.27		
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04		
Total BTEX	<0.300	0.300	01/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/29/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B8 @ 4' (H240373-08)**

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	01/29/2024	ND	2.30	115	2.00	1.27	
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04	
Total BTX	<0.300	0.300	01/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/29/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B9 @ 4' (H240373-09)**

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	01/29/2024	ND	2.30	115	2.00	1.27	
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	01/29/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	47.2	10.0	01/29/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B10 @ 4' (H240373-10)**

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	01/29/2024	ND	2.30	115	2.00	1.27	
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	01/29/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B11 @ 4' (H240373-11)**

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	01/29/2024	ND	2.30	115	2.00	1.27	
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04	
Total BTEX	<0.300	0.300	01/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	01/29/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B12 @ 4' (H240373-12)**

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	01/29/2024	ND	2.30	115	2.00	1.27		
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04		
Total BTEX	<0.300	0.300	01/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	01/29/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B13 @ 4' (H240373-13)**

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	01/29/2024	ND	2.30	115	2.00	1.27		
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04		
Total BTEX	<0.300	0.300	01/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	01/29/2024	ND	400	100	400	3.92	QM-07	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B14 @ 4' (H240373-14)**

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	01/29/2024	ND	2.30	115	2.00	1.27		
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04		
Total BTEx	<0.300	0.300	01/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	109	10.0	01/29/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	38.1	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B15 @ 4' (H240373-15)**

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	01/29/2024	ND	2.30	115	2.00	1.27		
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04		
Total BTEX	<0.300	0.300	01/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B16 @ 4' (H240373-16)**

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	01/29/2024	ND	2.30	115	2.00	1.27		
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04		
Total BTEX	<0.300	0.300	01/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B17 @ 4' (H240373-17)**

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	01/29/2024	ND	2.30	115	2.00	1.27		
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04		
Total BTEX	<0.300	0.300	01/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B18 @ 4' (H240373-18)**

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	01/29/2024	ND	2.30	115	2.00	1.27		
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04		
Total BTEX	<0.300	0.300	01/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B19 @ 4' (H240373-19)**

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	01/29/2024	ND	2.30	115	2.00	1.27		
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04		
Total BTEX	<0.300	0.300	01/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B20 @ 4' (H240373-20)**

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	01/29/2024	ND	2.30	115	2.00	1.27	
Toluene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	0.875	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.32	116	2.00	1.14	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	7.00	117	6.00	1.04	
Total BTEx	<0.300	0.300	01/29/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	197	98.6	200	2.36	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	207	104	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B21 @ 4' (H240373-21)**

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	01/29/2024	ND	2.12	106	2.00	2.89		
Toluene*	<0.050	0.050	01/29/2024	ND	2.13	106	2.00	2.97		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.12	106	2.00	3.26		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	6.50	108	6.00	2.66		
Total BTEx	<0.300	0.300	01/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	196	97.9	200	1.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	210	105	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B22 @ 4' (H240373-22)**

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	01/29/2024	ND	2.12	106	2.00	2.89		
Toluene*	<0.050	0.050	01/29/2024	ND	2.13	106	2.00	2.97		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.12	106	2.00	3.26		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	6.50	108	6.00	2.66		
Total BTEX	<0.300	0.300	01/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	196	97.9	200	1.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	210	105	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 78.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B23 @ 4' (H240373-23)**

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	01/29/2024	ND	2.12	106	2.00	2.89		
Toluene*	<0.050	0.050	01/29/2024	ND	2.13	106	2.00	2.97		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.12	106	2.00	3.26		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	6.50	108	6.00	2.66		
Total BTEX	<0.300	0.300	01/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	196	97.9	200	1.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	210	105	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B24 @ 4' (H240373-24)**

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	01/29/2024	ND	2.12	106	2.00	2.89		
Toluene*	<0.050	0.050	01/29/2024	ND	2.13	106	2.00	2.97		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.12	106	2.00	3.26		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	6.50	108	6.00	2.66		
Total BTEX	<0.300	0.300	01/29/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	196	97.9	200	1.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	210	105	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B25 @ 4' (H240373-25)**

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	01/30/2024	ND	2.12	106	2.00	2.89		
Toluene*	<0.050	0.050	01/30/2024	ND	2.13	106	2.00	2.97		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.12	106	2.00	3.26		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.50	108	6.00	2.66		
Total BTEX	<0.300	0.300	01/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	01/29/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	196	97.9	200	1.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	210	105	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager





# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Apache Corp.										<b>BILL TO</b>										<b>ANALYSIS REQUEST</b>																																																																																																																																																																																																												
Project Manager: Bruce Baker / Ceaser Rocha										P.O. #:																																																																																																																																																																																																																						
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Project #: APA-387										City:																																																																																																																																																																																																																						
Project Name: NEDU Trunk Line #303										State: Zip:																																																																																																																																																																																																																						
Project Location: 32.5039714, -103.1406888										Phone #:																																																																																																																																																																																																																						
Sampler Name: Joe Quesada Jr										Fax #:																																																																																																																																																																																																																						
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Time: 11:33																														All Results are emailed. Please provide Email address: Jasono@diamondbacknm.com / Yesenia@Diamondbacknm.com JoeQ@Diamondbacknm.com / Larry.Baker@ApacheCorp.com / Ceaser.Rocha@ApacheCorp.com / lo821052@gmail.com																																																																																																																																																																																																		
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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Apache Corp.										<b>BILL TO</b>										<b>ANALYSIS REQUEST</b>																																																																																																																																																																																																												
Project Manager: Bruce Baker / Ceaser Rocha										P.O. #:																																																																																																																																																																																																																						
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Project #: APA-387										City:																																																																																																																																																																																																																						
Project Name: NEDU Trunk Line #303										State: Zip:																																																																																																																																																																																																																						
Project Location: 32.5039714, -103.1406888										Phone #:																																																																																																																																																																																																																						
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<p>RELEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</p>																																																																																																																																																																																																																																
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**101 East Marland, Hobbs, NM 88240**  
**(575) 393-2326 FAX (575) 393-2476**

[illegible]





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

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January 31, 2024

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU TRUNKLINE #303

Enclosed are the results of analyses for samples received by the laboratory on 01/26/24 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://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: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W1 BGS 0-4' (H240374-01)**

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	01/30/2024	ND	2.12	106	2.00	2.89	
Toluene*	<0.050	0.050	01/30/2024	ND	2.13	106	2.00	2.97	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.12	106	2.00	3.26	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.50	108	6.00	2.66	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: CT				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/29/2024	ND	400	100	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	196	97.9	200	1.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	210	105	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 67.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W2 BGS 0-4' (H240374-02)**

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	01/30/2024	ND	2.12	106	2.00	2.89		
Toluene*	<0.050	0.050	01/30/2024	ND	2.13	106	2.00	2.97		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.12	106	2.00	3.26		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.50	108	6.00	2.66		
Total BTEX	<0.300	0.300	01/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	01/29/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	196	97.9	200	1.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	210	105	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 72.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W3 BGS 0-4' (H240374-03)**

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	01/30/2024	ND	2.12	106	2.00	2.89		
Toluene*	<0.050	0.050	01/30/2024	ND	2.13	106	2.00	2.97		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.12	106	2.00	3.26		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.50	108	6.00	2.66		
Total BTEX	<0.300	0.300	01/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	196	97.9	200	1.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	210	105	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W4 BGS 0-4' (H240374-04)**

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	01/30/2024	ND	2.12	106	2.00	2.89		
Toluene*	<0.050	0.050	01/30/2024	ND	2.13	106	2.00	2.97		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.12	106	2.00	3.26		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.50	108	6.00	2.66		
Total BTEX	<0.300	0.300	01/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	196	97.9	200	1.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	210	105	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 74.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W5 BGS 0-4' (H240374-05)**

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	01/30/2024	ND	2.12	106	2.00	2.89		
Toluene*	<0.050	0.050	01/30/2024	ND	2.13	106	2.00	2.97		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.12	106	2.00	3.26		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.50	108	6.00	2.66		
Total BTEx	<0.300	0.300	01/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	196	97.9	200	1.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	210	105	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 72.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W6 BGS 0-4' (H240374-06)**

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	01/30/2024	ND	2.12	106	2.00	2.89		
Toluene*	<0.050	0.050	01/30/2024	ND	2.13	106	2.00	2.97		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.12	106	2.00	3.26		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.50	108	6.00	2.66		
Total BTEX	<0.300	0.300	01/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	196	97.9	200	1.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	210	105	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 70.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W7 BGS 0-4' (H240374-07)**

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	01/30/2024	ND	2.12	106	2.00	2.89		
Toluene*	<0.050	0.050	01/30/2024	ND	2.13	106	2.00	2.97		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.12	106	2.00	3.26		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.50	108	6.00	2.66		
Total BTEX	<0.300	0.300	01/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	196	97.9	200	1.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	210	105	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 69.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W8 BGS 0-4' (H240374-08)**

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	01/30/2024	ND	2.12	106	2.00	2.89		
Toluene*	<0.050	0.050	01/30/2024	ND	2.13	106	2.00	2.97		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.12	106	2.00	3.26		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.50	108	6.00	2.66		
Total BTEx	<0.300	0.300	01/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	196	97.9	200	1.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	210	105	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W9 BGS 0-4' (H240374-09)**

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	01/30/2024	ND	2.12	106	2.00	2.89		
Toluene*	<0.050	0.050	01/30/2024	ND	2.13	106	2.00	2.97		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.12	106	2.00	3.26		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.50	108	6.00	2.66		
Total BTEX	<0.300	0.300	01/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	196	97.9	200	1.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	210	105	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W10 BGS 0-4' (H240374-10)**

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	01/30/2024	ND	2.12	106	2.00	2.89		
Toluene*	<0.050	0.050	01/30/2024	ND	2.13	106	2.00	2.97		
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.12	106	2.00	3.26		
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.50	108	6.00	2.66		
Total BTEX	<0.300	0.300	01/30/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	196	97.9	200	1.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	210	105	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/26/2024  
 Reported: 01/31/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/26/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W11 BGS 0-4' (H240374-11)**

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	01/30/2024	ND	2.12	106	2.00	2.89	
Toluene*	<0.050	0.050	01/30/2024	ND	2.13	106	2.00	2.97	
Ethylbenzene*	<0.050	0.050	01/30/2024	ND	2.12	106	2.00	3.26	
Total Xylenes*	<0.150	0.150	01/30/2024	ND	6.50	108	6.00	2.66	
Total BTEX	<0.300	0.300	01/30/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	01/29/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	196	97.9	200	1.36	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	210	105	200	0.784	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Apache

Address:

City: Hobbs State: NM ZIP: 88240

Phone #:

Project #: APA-387

Project Name: NEDU Trunk Line #303

Project Location: 32.5039714, -103.1406888

Sampler Name: Joe Quesada Jr

BILL TO

P.O. #:

Company:

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP.

# CONTAINERS

MATRIX

PRESERV.

SAMPLING

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

CL

EXT

TPH

BTEX

1 W1 BGS 0-4'

2 W2 BGS 0-4'

3 W3 BGS 0-4'

4 W4 BGS 0-4'

5 W5 BGS 0-4'

6 W6 BGS 0-4'

7 W7 BGS 0-4'

8 W8 BGS 0-4'

9 W9 BGS 0-4'

10 W10 BGS 0-4'

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Verbal Result:

Add'l Phone #:

Relinquished By:

Date:

Time:

Received By:

Date:

Time:

Delivered By: (Circle One)

Observed Temp. °C

Corrected Temp. °C

Sample Condition

Cool Intact

Yes No

CHECKED BY:

(Initials)

Turnaround Time:

Standard

Bacteria (only) Sample Condition

Thermometer ID #140

Correction Factor

Yes No

Corrected Temp. °C

Received By: 6/11/2024 9:50:54 AM

Used to Improve: 8/22/2024 8:07:27 AM







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

February 01, 2024

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU TRUNKLINE #303

Enclosed are the results of analyses for samples received by the laboratory on 01/30/24 7:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/30/2024  
 Reported: 02/01/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/29/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 26 @ 4' (H240393-01)**

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	01/31/2024	ND	2.18	109	2.00	0.228	
Toluene*	<0.050	0.050	01/31/2024	ND	2.35	117	2.00	2.18	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.45	123	2.00	1.27	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.44	124	6.00	0.921	
Total BTX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	01/31/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	202	101	200	1.76	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	191	95.3	200	5.67	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/30/2024  
 Reported: 02/01/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/29/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 27 @ 4' (H240393-02)**

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	01/31/2024	ND	2.18	109	2.00	0.228	
Toluene*	<0.050	0.050	01/31/2024	ND	2.35	117	2.00	2.18	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.45	123	2.00	1.27	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.44	124	6.00	0.921	
Total BTEX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	01/31/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	202	101	200	1.76	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	191	95.3	200	5.67	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/30/2024  
 Reported: 02/01/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/29/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 28 @ 4' (H240393-03)**

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	01/31/2024	ND	2.18	109	2.00	0.228		
Toluene*	<0.050	0.050	01/31/2024	ND	2.35	117	2.00	2.18		
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.45	123	2.00	1.27		
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.44	124	6.00	0.921		
Total BTEX	<0.300	0.300	01/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	01/31/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	202	101	200	1.76	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	191	95.3	200	5.67	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/30/2024  
 Reported: 02/01/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/29/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 29 @ 4' (H240393-04)**

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	01/31/2024	ND	2.18	109	2.00	0.228	
Toluene*	<0.050	0.050	01/31/2024	ND	2.35	117	2.00	2.18	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.45	123	2.00	1.27	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.44	124	6.00	0.921	
Total BTEX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/31/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	202	101	200	1.76	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	191	95.3	200	5.67	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/30/2024  
 Reported: 02/01/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/29/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 30 @ 4' (H240393-05)**

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	01/31/2024	ND	2.18	109	2.00	0.228	
Toluene*	<0.050	0.050	01/31/2024	ND	2.35	117	2.00	2.18	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.45	123	2.00	1.27	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.44	124	6.00	0.921	
Total BTEX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	01/31/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	209	105	200	2.25	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	203	102	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 73.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/30/2024  
 Reported: 02/01/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/29/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 31 @ 4' (H240393-06)**

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	01/31/2024	ND	2.18	109	2.00	0.228		
Toluene*	<0.050	0.050	01/31/2024	ND	2.35	117	2.00	2.18		
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.45	123	2.00	1.27		
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.44	124	6.00	0.921		
Total BTEX	<0.300	0.300	01/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/31/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	209	105	200	2.25	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	203	102	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/30/2024  
 Reported: 02/01/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/29/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 32 @ 4' (H240393-07)**

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	01/31/2024	ND	2.18	109	2.00	0.228	
Toluene*	<0.050	0.050	01/31/2024	ND	2.35	117	2.00	2.18	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.45	123	2.00	1.27	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.44	124	6.00	0.921	
Total BTEX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	01/31/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	209	105	200	2.25	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	203	102	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 68.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/30/2024  
 Reported: 02/01/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/29/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 33 @ 4' (H240393-08)**

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	01/31/2024	ND	2.18	109	2.00	0.228		
Toluene*	<0.050	0.050	01/31/2024	ND	2.35	117	2.00	2.18		
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.45	123	2.00	1.27		
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.44	124	6.00	0.921		
Total BTEX	<0.300	0.300	01/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	01/31/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	209	105	200	2.25	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	203	102	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 71.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/30/2024  
 Reported: 02/01/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/29/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 34 @ 4' (H240393-09)**

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	01/31/2024	ND	2.18	109	2.00	0.228	
Toluene*	<0.050	0.050	01/31/2024	ND	2.35	117	2.00	2.18	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.45	123	2.00	1.27	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.44	124	6.00	0.921	
Total BTEX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	01/31/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	209	105	200	2.25	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	203	102	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 62.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/30/2024  
 Reported: 02/01/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/29/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 35 @ 4' (H240393-10)**

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	01/31/2024	ND	2.18	109	2.00	0.228		
Toluene*	<0.050	0.050	01/31/2024	ND	2.35	117	2.00	2.18		
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.45	123	2.00	1.27		
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.44	124	6.00	0.921		
Total BTEx	<0.300	0.300	01/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	01/31/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	209	105	200	2.25	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	203	102	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 61.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 54.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/30/2024  
 Reported: 02/01/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/29/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 36 @ 4' (H240393-11)**

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	01/31/2024	ND	2.18	109	2.00	0.228	
Toluene*	<0.050	0.050	01/31/2024	ND	2.35	117	2.00	2.18	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.45	123	2.00	1.27	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.44	124	6.00	0.921	
Total BTEX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/31/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	209	105	200	2.25	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	203	102	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 74.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/30/2024  
 Reported: 02/01/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/29/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 37 @ 4' (H240393-12)**

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	01/31/2024	ND	2.18	109	2.00	0.228	
Toluene*	<0.050	0.050	01/31/2024	ND	2.35	117	2.00	2.18	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.45	123	2.00	1.27	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.44	124	6.00	0.921	
Total BTEX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	01/31/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	209	105	200	2.25	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	203	102	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 67.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/30/2024  
 Reported: 02/01/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/29/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 38 @ 4' (H240393-13)**

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	01/31/2024	ND	2.18	109	2.00	0.228	
Toluene*	<0.050	0.050	01/31/2024	ND	2.35	117	2.00	2.18	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.45	123	2.00	1.27	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.44	124	6.00	0.921	
Total BTEX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	01/31/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	209	105	200	2.25	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	203	102	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 65.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 01/30/2024  
 Reported: 02/01/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/29/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 39 @ 4' (H240393-14)**

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	01/31/2024	ND	2.18	109	2.00	0.228		
Toluene*	<0.050	0.050	01/31/2024	ND	2.35	117	2.00	2.18		
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.45	123	2.00	1.27		
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.44	124	6.00	0.921		
Total BTEX	<0.300	0.300	01/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	01/31/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	209	105	200	2.25	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	203	102	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 56.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 50.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/30/2024  
 Reported: 02/01/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/29/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 40 @ 4' (H240393-15)**

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	01/31/2024	ND	2.18	109	2.00	0.228		
Toluene*	<0.050	0.050	01/31/2024	ND	2.35	117	2.00	2.18		
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.45	123	2.00	1.27		
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.44	124	6.00	0.921		
Total BTEX	<0.300	0.300	01/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	01/31/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	209	105	200	2.25	
DRO >C10-C28*	<10.0	10.0	01/31/2024	ND	203	102	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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

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### Notes and Definitions

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

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Cardinal Laboratories

\*=Accredited Analyte

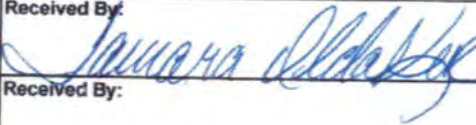

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager

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

<b>Company Name:</b> Apache Corp.				<b>BILL TO</b>								<b>ANALYSIS REQUEST</b>																	
<b>Project Manager:</b> Bruce Baker / Ceaser Rocha				<b>P.O. #:</b>																									
<b>Address:</b>				<b>Company:</b>																									
<b>City:</b> Hobbs <b>State:</b> NM <b>ZIP:</b> 88240				<b>Attn:</b>																									
<b>Phone #:</b>				<b>Address:</b>																									
<b>Project #:</b> APA-387				<b>City:</b>																									
<b>Project Name:</b> NEDU Trunk Line #303				<b>State:</b> <b>Zip:</b>																									
<b>Project Location:</b> 32.5039714, -103.1406888				<b>Phone #:</b>																									
<b>Sampler Name:</b> Joe Quesada Jr				<b>Fax #:</b>																									
<small>FOR LAB USE ONLY</small> <b>Lab I.D.</b>				<b>MATRIX</b>				<b>PRESERV.</b>		<b>SAMPLING</b>																			
<b>Sample I.D.</b>				<b>(G)RAB OR (C)OMP.</b>	<b># CONTAINERS</b>	<b>GROUNDWATER</b>	<b>WASTEWATER</b>	<b>SOIL</b>	<b>OIL</b>	<b>SLUDGE</b>	<b>OTHER : ACID/BASE:</b>	<b>ICE / COOL OTHER :</b>	<b>DATE</b>	<b>TIME</b>	<b>CL</b>	<b>EXT TPH</b>	<b>BTEX</b>												
H240393				C	1		X					X	1/29/24	11:00 AM	X	X	X												
B26 @4'				C	1		X					X	1/29/24	11:02 AM	X	X	X												
B27 @4'				C	1		X					X	1/29/24	11:04 AM	X	X	X												
B28 @4'				C	1		X					X	1/29/24	11:06 AM	X	X	X												
B29 @4'				C	1		X					X	1/29/24	11:08 AM	X	X	X												
B30 @4'				C	1		X					X	1/29/24	11:10 AM	X	X	X												
B31 @4'				C	1		X					X	1/29/24	11:12 AM	X	X	X												
B32 @4'				C	1		X					X	1/29/24	11:14 AM	X	X	X												
B33 @4'				C	1		X					X	1/29/24	11:16 AM	X	X	X												
B34 @4'				C	1		X					X	1/29/24	11:18 AM	X	X	X												
B35 @4'				C	1		X					X	1/29/24		X	X	X												
<small>DISCLAIMER NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																													
<b>Relinquished By:</b> Joe Quesada Jr				<b>Date:</b> 1/30/24 <b>Time:</b> 7:00		<b>Received By:</b> 				<b>Verba Result:</b> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No				<b>Add'l Phone #:</b>															
<b>Relinquished By:</b>				<b>Date:</b>  <b>Time:</b>		<b>Received By:</b>				<b>All Results are emailed. Please provide Email address:</b> Jasono@diamondbacknm.com / Yesenial@Diamondbacknm.com JoeQ@Diamondbacknm.com / Larry.Baker@ApacheCorp.com / Ceaser.Rocha@Apachecorp.com / jo821052@gmail.com				<b>REMARKS:</b>															
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other:				<b>Observed Temp. °C</b> <b>Corrected Temp. °C</b> 2.7		<b>Sample Condition</b> Cool / Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Intact <input type="checkbox"/> No <input type="checkbox"/> No		<b>CHECKED BY:</b> (Initials) 		<b>Turnaround Time:</b> Standard <input type="checkbox"/> Bacteria (only) Sample Condition Rush <input type="checkbox"/> Cool Intact Observed Temp. °C				<b>Thermometer ID #140</b> <b>Correction Factor -0°C</b>															
										<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C																			

FORM-006 R 3.2 10/07/21



[illegible]



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

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February 01, 2024

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU TRUNKLINE #303

Enclosed are the results of analyses for samples received by the laboratory on 01/30/24 7:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://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: 01/30/2024  
 Reported: 02/01/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/29/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W 12 BGS 0-4' (H240394-01)**

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	01/31/2024	ND	2.18	109	2.00	0.228	
Toluene*	<0.050	0.050	01/31/2024	ND	2.35	117	2.00	2.18	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.45	123	2.00	1.27	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.44	124	6.00	0.921	
Total BTEX	<0.300	0.300	01/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	01/31/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	209	105	200	2.25	
DRO >C10-C28*	<10.0	10.0	01/31/2024	ND	203	102	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.9 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 01/30/2024  
 Reported: 02/01/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 01/29/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W 13 BGS 0-4' (H240394-02)**

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	01/31/2024	ND	2.18	109	2.00	0.228		
Toluene*	<0.050	0.050	01/31/2024	ND	2.35	117	2.00	2.18		
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.45	123	2.00	1.27		
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.44	124	6.00	0.921		
Total BTEX	<0.300	0.300	01/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	01/31/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2024	ND	209	105	200	2.25	
DRO >C10-C28*	<10.0	10.0	01/30/2024	ND	203	102	200	3.45	
EXT DRO >C28-C36	<10.0	10.0	01/30/2024	ND					

Surrogate: 1-Chlorooctane 58.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 51.9 % 49.1-148

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

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

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

Celey D. Keene, Lab Director/Quality Manager





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

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February 12, 2024

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU TRUNKLINE #303

Enclosed are the results of analyses for samples received by the laboratory on 02/09/24 15:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 02/09/2024  
 Reported: 02/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 02/09/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 7 BGS 0-4' (H240640-01)**

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	02/10/2024	ND	2.02	101	2.00	8.83	
Toluene*	<0.050	0.050	02/10/2024	ND	2.13	107	2.00	9.50	
Ethylbenzene*	<0.050	0.050	02/10/2024	ND	2.25	113	2.00	9.51	
Total Xylenes*	<0.150	0.150	02/10/2024	ND	6.76	113	6.00	9.86	
Total BTX	<0.300	0.300	02/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	02/12/2024	ND	384	96.0	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	02/10/2024	ND	218	109	200	1.23	
DRO >C10-C28*	<10.0	10.0	02/10/2024	ND	224	112	200	6.76	
EXT DRO >C28-C36	<10.0	10.0	02/10/2024	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

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**Notes and Definitions**

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

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Cardinal Laboratories

\*=Accredited Analyte

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

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Celey D. Keene, Lab Director/Quality Manager



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> Apache <b>Project Manager:</b> B. Baker <b>Address:</b> <b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88240 <b>Phone #:</b> <b>Fax #:</b> <b>Project #:</b> <b>Project Owner:</b> <b>Project Name:</b> <b>Project Location:</b> NEDU Trunk Line 303 <b>Sampler Name:</b> Jose Quezada				<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>				<b>ANALYSIS REQUEST</b>											
<b>FOR LAB USE ONLY</b> <b>Lab I.D.</b> H24D640 <b>Sample I.D.</b> 107 BGS 0-4'		<b>(G/RAB OR (C)OMP.</b> C	<b># CONTAINERS</b> 1	<b>MATRIX</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	<b>PRESERV.</b> ACID/BASE: <input checked="" type="checkbox"/> ICE / COOL OTHER:	<b>SAMPLING</b> <b>DATE</b> 2/9 <b>TIME</b> 1:20		BTX EXT TPA											

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors, arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based on any of the above stated reasons or otherwise.

<b>Relinquished By:</b> Jose Quezada <b>Date:</b> 2/9/24 <b>Time:</b> 3:17 <b>Relinquished By:</b>		<b>Received By:</b> [Signature] <b>Date:</b> 2/9/24 <b>Time:</b> 15:17 <b>Received By:</b>		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> All Results are emailed. Please provide Email address: jg820520@gmail.com <b>REMARKS:</b> Email Results	
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other:	<b>Observed Temp. °C</b> 2.80 <b>Corrected Temp. °C</b> #140	<b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>CHECKED BY:</b> (Initials) [Signature]	<b>Turnaround Time:</b> Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> 24hr <b>Thermometer ID #140</b> <b>Correction Factor 0°C</b>	<b>Bacteria (only) Sample Condition</b> Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C

FORM-000 R 3.4 07/11/23

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



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

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March 08, 2024

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU TRUNKLINE #303

Enclosed are the results of analyses for samples received by the laboratory on 03/05/24 16:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/05/2024  
 Reported: 03/08/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 14 BGS 0-4' (H241102-01)**

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	03/07/2024	ND	2.12	106	2.00	3.34	
Toluene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	3.02	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.06	103	2.00	2.87	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.23	104	6.00	2.64	
Total BTX	<0.300	0.300	03/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	03/07/2024	ND	448	112	400	3.64		

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	03/06/2024	ND	200	100	200	5.90	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	201	101	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

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: 03/05/2024  
 Reported: 03/08/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 15 BGS 0-4' (H241102-02)**

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	03/07/2024	ND	2.12	106	2.00	3.34	
Toluene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	3.02	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.06	103	2.00	2.87	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.23	104	6.00	2.64	
Total BTEX	<0.300	0.300	03/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/07/2024	ND	448	112	400	3.64		

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	03/06/2024	ND	200	100	200	5.90	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	201	101	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.9 % 49.1-148

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: 03/05/2024  
 Reported: 03/08/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 16 BGS 0-4' (H241102-03)**

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	03/07/2024	ND	2.12	106	2.00	3.34	
Toluene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	3.02	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.06	103	2.00	2.87	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.23	104	6.00	2.64	
Total BTEx	<0.300	0.300	03/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	03/07/2024	ND	448	112	400	3.64		

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	03/06/2024	ND	200	100	200	5.90	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	201	101	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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: 03/05/2024  
 Reported: 03/08/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 17 BGS 0-4' (H241102-04)**

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	03/07/2024	ND	2.12	106	2.00	3.34	
Toluene*	<0.050	0.050	03/07/2024	ND	2.11	106	2.00	3.02	
Ethylbenzene*	<0.050	0.050	03/07/2024	ND	2.06	103	2.00	2.87	
Total Xylenes*	<0.150	0.150	03/07/2024	ND	6.23	104	6.00	2.64	
Total BTEx	<0.300	0.300	03/07/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	03/07/2024	ND	448	112	400	3.64		

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	03/06/2024	ND	200	100	200	5.90	
DRO >C10-C28*	<10.0	10.0	03/06/2024	ND	201	101	200	3.77	
EXT DRO >C28-C36	<10.0	10.0	03/06/2024	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 "C. D. Keene", written over a horizontal line.

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Celey D. Keene, Lab Director/Quality Manager





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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																			
Project Manager: <u>Bruce Baker</u>				P.O. #:																							
Address:				Company:																							
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>				Attn:																							
Phone #: Fax #:				Address:																							
Project #: Project Owner:				City:																							
Project Name:				State: Zip:																							
Project Location: <u>NEDU Trunk Line 303</u>				Phone #:																							
Sampler Name: <u>Jose Ruesca</u>				Fax #:																							
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G/RAB OR (C)OMP.		MATRIX		PRESERV.		SAMPLING															
						# CONTAINERS		GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: (C) COOL (E) OTHER:		DATE		TIME													
<u>H241102</u>																											
		<u>1 W 14 BGS 0-4'</u>				<u>C</u>						<u>3/5</u>		<u>11:10</u>													
		<u>2 W 15 BGS 0-4'</u>				<u>C</u>								<u>11:12</u>													
		<u>3 W 16 BGS 0-4'</u>				<u>C</u>								<u>11:14</u>													
		<u>4 W 17 BGS 0-4'</u>				<u>C</u>								<u>11:16</u>													

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Relinquished By: <u>Jose Ruesca</u>		Date: <u>3/5/24</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By: <u>Jose Ruesca</u>		Time: <u>4:52</u>		Received By: <u>[Signature]</u>		All Results are emailed. Please provide Email address:	
		Date: <u>3-5-24</u>				REMARKS:	
		Time: <u>16:52</u>				<u>E-Mail Results</u>	
Delivered By: (Circle One)		Observed Temp. °C <u>3.60</u>		Sample Condition		Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> <u>Rush</u> <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	
				CHECKED BY: (Initials) <u>[Signature]</u>		Thermometer ID #140 Correction Factor 0°C	
						Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
						Corrected Temp. °C	

FORM 006 R 3.4 07/11/23

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



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

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March 12, 2024

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU TRUNKLINE #303

Enclosed are the results of analyses for samples received by the laboratory on 03/06/24 16:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 41 @ 4' (H241144-01)**

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	03/08/2024	ND	2.30	115	2.00	2.14	
Toluene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.15	108	2.00	3.15	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.40	107	6.00	3.28	
Total BTEx	<0.300	0.300	03/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	200	99.9	200	1.95	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	207	103	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 42 @ 4' (H241144-02)**

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	03/08/2024	ND	2.30	115	2.00	2.14		
Toluene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.15	108	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.40	107	6.00	3.28		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	200	99.9	200	1.95	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	207	103	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.0 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 43 @ 4' (H241144-03)**

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	03/08/2024	ND	2.30	115	2.00	2.14		
Toluene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.15	108	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.40	107	6.00	3.28		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	200	99.9	200	1.95	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	207	103	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 44 @ 4' (H241144-04)**

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	03/08/2024	ND	2.30	115	2.00	2.14		
Toluene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.15	108	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.40	107	6.00	3.28		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	200	99.9	200	1.95	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	207	103	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 46 @ 4' (H241144-05)**

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	03/08/2024	ND	2.30	115	2.00	2.14		
Toluene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.15	108	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.40	107	6.00	3.28		
Total BTEx	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	200	99.9	200	1.95	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	207	103	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 47 @ 4' (H241144-06)**

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	03/08/2024	ND	2.30	115	2.00	2.14		
Toluene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.15	108	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.40	107	6.00	3.28		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	200	99.9	200	1.95	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	207	103	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 92.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 45 @ 4' (H241144-07)**

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	03/08/2024	ND	2.30	115	2.00	2.14		
Toluene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.15	108	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.40	107	6.00	3.28		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	200	99.9	200	1.95	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	207	103	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 48 @ 4' (H241144-08)**

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	03/08/2024	ND	2.30	115	2.00	2.14		
Toluene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.15	108	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.40	107	6.00	3.28		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	200	99.9	200	1.95	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	207	103	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 49 @ 4' (H241144-09)**

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	03/08/2024	ND	2.30	115	2.00	2.14		
Toluene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.15	108	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.40	107	6.00	3.28		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	200	99.9	200	1.95	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	207	103	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 50 @ 4' (H241144-10)**

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	03/08/2024	ND	2.30	115	2.00	2.14		
Toluene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.15	108	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.40	107	6.00	3.28		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	928	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	200	99.9	200	1.95	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	207	103	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.9 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 51 @ 4' (H241144-11)**

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	03/08/2024	ND	2.30	115	2.00	2.14		
Toluene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.15	108	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.40	107	6.00	3.28		
Total BTEx	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1630	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	200	99.9	200	1.95	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	207	103	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 67.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.4 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 52 @ 4' (H241144-12)**

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	03/08/2024	ND	2.30	115	2.00	2.14		
Toluene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.15	108	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.40	107	6.00	3.28		
Total BTEx	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	200	99.9	200	1.95	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	207	103	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.9 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 53 @ 4' (H241144-13)**

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	03/08/2024	ND	2.30	115	2.00	2.14	
Toluene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.14	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.15	108	2.00	3.15	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.40	107	6.00	3.28	
Total BTX	<0.300	0.300	03/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	200	99.9	200	1.95	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	207	103	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 54 @ 4' (H241144-14)**

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	03/08/2024	ND	2.30	115	2.00	2.14		
Toluene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.15	108	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.40	107	6.00	3.28		
Total BTEx	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1340	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	200	99.9	200	1.95	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	207	103	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 55 @ 4' (H241144-15)**

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	03/08/2024	ND	2.30	115	2.00	2.14		
Toluene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.15	108	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.40	107	6.00	3.28		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	200	99.9	200	1.95	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	207	103	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 56 @ 4' (H241144-16)**

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	03/08/2024	ND	2.30	115	2.00	2.14		
Toluene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.15	108	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.40	107	6.00	3.28		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	200	99.9	200	1.95	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	207	103	200	2.68	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 57 @ 4' (H241144-17)**

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	03/08/2024	ND	2.30	115	2.00	2.14		
Toluene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.15	108	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.40	107	6.00	3.28		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 58 @ 4' (H241144-18)**

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	03/08/2024	ND	2.30	115	2.00	2.14		
Toluene*	<0.050	0.050	03/08/2024	ND	2.16	108	2.00	2.14		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.15	108	2.00	3.15		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.40	107	6.00	3.28		
Total BTEx	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	944	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 59 @ 4' (H241144-19)**

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	03/08/2024	ND	2.17	108	2.00	0.994	
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26	
Total BTEX	<0.300	0.300	03/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 99.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 60 @ 4' (H241144-20)**

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	03/08/2024	ND	2.17	108	2.00	0.994		
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 61 @ 4' (H241144-21)**

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	03/08/2024	ND	2.17	108	2.00	0.994		
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1250	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 66.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.3 % 49.1-148

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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 62 @ 4' (H241144-22)**

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	03/08/2024	ND	2.17	108	2.00	0.994		
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 63 @ 4' (H241144-23)**

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	03/08/2024	ND	2.17	108	2.00	0.994		
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 64 @ 4' (H241144-24)**

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	03/08/2024	ND	2.17	108	2.00	0.994		
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1100	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 65 @ 4' (H241144-25)**

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	03/08/2024	ND	2.17	108	2.00	0.994		
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1440	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 84.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 66 @ 4' (H241144-26)**

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	03/08/2024	ND	2.17	108	2.00	0.994		
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1460	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 67 @ 4' (H241144-27)**

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	03/08/2024	ND	2.17	108	2.00	0.994		
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26		
Total BTEx	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	864	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 68 @ 4' (H241144-28)**

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	03/08/2024	ND	2.17	108	2.00	0.994		
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 69 @ 4' (H241144-29)**

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	03/08/2024	ND	2.17	108	2.00	0.994	
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26	
Total BTEX	<0.300	0.300	03/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/08/2024	ND	432	108	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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 70 @ 4' (H241144-30)**

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	03/08/2024	ND	2.17	108	2.00	0.994		
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	03/08/2024	ND	416	104	400	7.41		

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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 71 @ 4' (H241144-31)**

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	03/08/2024	ND	2.17	108	2.00	0.994		
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26		
Total BTEx	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	03/08/2024	ND	416	104	400	7.41		

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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 71.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 72 @ 4' (H241144-32)**

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	03/08/2024	ND	2.17	108	2.00	0.994		
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26		
Total BTEx	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	03/08/2024	ND	416	104	400	7.41		

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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 73 @ 4' (H241144-33)**

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	03/08/2024	ND	2.17	108	2.00	0.994		
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	03/08/2024	ND	416	104	400	7.41		

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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 74 @ 4' (H241144-34)**

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	03/08/2024	ND	2.17	108	2.00	0.994		
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	768	16.0	03/08/2024	ND	416	104	400	7.41		

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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: APA - 387  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 75 @ 4' (H241144-35)**

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	03/08/2024	ND	2.17	108	2.00	0.994		
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	03/08/2024	ND	416	104	400	7.41		

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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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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 "C. 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

Page 38 of 41

Company Name: <u>Apache</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																				
Project Manager: <u>Bruce Baker</u>		P.O. #:																						
Address:		Company:																						
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn:																						
Phone #:		Address:																						
Project #:		City:																						
Project Name:		State: Zip:																						
Project Location: <u>NEDU Trunkline 303</u>		Phone #:																						
Sampler Name: <u>Jose Quereza</u>		Fax #:																						
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																
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										
<u>H241144</u>																								
1	B4104'	C	1										3/4	9:40										
2	B4204'	C	1											9:42										
3	B4304'	C	1											9:44										
4	B4404'	C	1											9:46										
5	B4604'	C	1											9:50										
6	B4704'	C	1											9:52										
7	B4504'	C	1											9:48										
8	B4804'	C	1											9:54										
9	B4904'	C	1											9:56										
10	B5004'	C	1											9:58										

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Relinquished By: <u>Jose Quereza</u>	Date: <u>4/4/04</u>	Received By: <u>Munara Aldas</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: <u>E-Mail Results</u>
Delivered By: (Circle One)	Observed Temp. °C <u>4.4</u>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Yes <input type="checkbox"/> No <input type="checkbox"/>	Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/>
		CHECKED BY: (Initials) <u>JO</u>	Thermometer ID #140 Correction Factor 0°C
			Observed Temp. °C Corrected Temp. °C

FORM-000 R 3-4 07/11/23

† 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

Company Name: <u>Fort Apache</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																		
Project Manager: <u>Bruce Baker</u>				P.O. #:																						
Address:				Company:																						
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>				Attn:																						
Phone #: Fax #:				Address:																						
Project #: Project Owner:				City:																						
Project Name:				State: Zip:																						
Project Location: <u>NE DU Trunk line 303</u>				Phone #:																						
Sampler Name: <u>Sosie</u>				Fax #:																						
FOR LAB USE ONLY				MATRIX				PRESERV.		SAMPLING																
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												
<u>H241144</u>																										
<u>11</u>	<u>B51 @ 4'</u>	<u>( )</u>											<u>7/6</u>	<u>10:00</u>												
<u>12</u>	<u>B52 @ 4'</u>	<u>( )</u>												<u>10:02</u>												
<u>13</u>	<u>B53 @ 4'</u>	<u>( )</u>												<u>10:04</u>												
<u>14</u>	<u>B54 @ 4'</u>	<u>( )</u>												<u>10:06</u>												
<u>15</u>	<u>B55 @ 4'</u>	<u>( )</u>												<u>10:08</u>												
<u>16</u>	<u>B56 @ 4'</u>	<u>( )</u>												<u>10:10</u>												
<u>17</u>	<u>B57 @ 4'</u>	<u>( )</u>												<u>10:12</u>												
<u>18</u>	<u>B58 @ 4'</u>	<u>( )</u>												<u>10:14</u>												
<u>19</u>	<u>B59 @ 4'</u>	<u>( )</u>												<u>10:16</u>												
<u>20</u>	<u>D60 @ 4'</u>	<u>( )</u>												<u>10:18</u>												

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Relinquished By: <u>Sosie</u>	Date: <u>5/6/24</u>	Received By: <u>Jamara</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Adm. Phone #:
	Time: <u>4:50</u>		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: <u>E-Mo: Results</u>
	Time:		
Delivered By: (Circle One)	Observed Temp. °C <u>4.4</u>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush
Sampler - UPS - Bus - Other:	Corrected Temp. °C	CHECKED BY: (Initials) <u>JS</u>	Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/>
			Observed Temp. °C
			Corrected Temp. °C

FORM-000 R 3.4 07/11/23

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Hpacma</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																				
Project Manager: <u>Bruce Baker</u>		P.O. #:		<div style="display: flex; justify-content: space-between;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">C/</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">EATYPH</div> </div>																				
Address:		Company:																						
City: <u>Hobbs</u>	State: <u>NM</u> Zip: <u>88240</u>	Attn:																						
Phone #:	Fax #:	Address:																						
Project #:	Project Owner:	City:																						
Project Name:		State: Zip:																						
Project Location: <u>NEPU Trunk Line 303</u>		Phone #:																						
Sampler Name: <u>Soc Rush</u>		Fax #:																						
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(G)IRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME										
<u>H241144</u>																								
<u>21</u>	<u>B61 @ 4'</u>	<u>C</u>	<u>1</u>										<u>3/4</u>	<u>10:18</u>										
<u>22</u>	<u>B62 @ 4'</u>	<u>C</u>	<u>1</u>											<u>10:20</u>										
<u>23</u>	<u>B63 @ 4'</u>	<u>C</u>	<u>1</u>											<u>10:22</u>										
<u>24</u>	<u>B64 @ 4'</u>	<u>C</u>	<u>1</u>											<u>10:24</u>										
<u>25</u>	<u>B65 @ 4'</u>	<u>C</u>	<u>1</u>											<u>10:24</u>										
<u>26</u>	<u>B66 @ 4'</u>	<u>C</u>	<u>1</u>											<u>10:28</u>										
<u>27</u>	<u>B67 @ 4'</u>	<u>C</u>	<u>1</u>											<u>10:30</u>										
<u>28</u>	<u>B68 @ 4'</u>	<u>C</u>	<u>1</u>											<u>1:52</u>										
<u>29</u>	<u>B69 @ 4'</u>	<u>C</u>	<u>1</u>											<u>1:54</u>										
<u>30</u>	<u>B70 @ 4'</u>	<u>C</u>	<u>1</u>											<u>2:40</u>										

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Relinquished By: <u>Soc Rush</u>	Date: <u>8/22/24</u>	Received By: <u>Truana Aldridge</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:	
Time: <u>4:52</u>	Time:	Time:	REMARKS: <u>E-Mail Result</u>	
Delivered By: (Circle One)	Observed Temp. °C <u>4.4</u>	Sample Condition	CHECKED BY: (Initials) <u>VO</u>	Turnaround Time: <u>Standard</u> <input checked="" type="checkbox"/> <u>Rush</u> <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	<input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID #140 Correction Factor 0°C	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 41 of 41

Company Name: <i>Apexche</i>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																
Project Manager: <i>Bruce Baker</i>		P.O. #:		<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">C1</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">C6-TPH</div> </div>																
Address:		Company:																		
City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88240</i>		Attn:																		
Phone #: Fax #:		Address:																		
Project #: Project Owner:		City:																		
Project Name:		State: Zip:																		
Project Location: <i>NEDA trunk line 323</i>		Phone #:																		
Sampler Name: <i>Sose Presnell</i>		Fax #:																		
FOR LAB USE ONLY																				
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX			PRESERV.	SAMPLING												
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME						
<i>A241144</i>													<i>3/6</i>	<i>2:42</i>						
<i>31</i>	<i>B71 @ 4'</i>	<i>C</i>	<i>1</i>											<i>2:44</i>						
<i>32</i>	<i>B72 @ 4'</i>	<i>C</i>	<i>1</i>											<i>2:46</i>						
<i>33</i>	<i>B73 @ 4'</i>	<i>C</i>	<i>1</i>											<i>2:48</i>						
<i>34</i>	<i>B74 @ 4'</i>	<i>C</i>	<i>1</i>											<i>2:50</i>						
<i>35</i>	<i>B75 @ 4'</i>	<i>C</i>	<i>1</i>																	

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Relinquished By: <i>Sose Presnell</i>		Date: <i>3/6/24</i>		Received By: <i>Tamara Delgado</i>		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:	
Time: <i>4:50Z</i>		Time: <i>4:50Z</i>		Time: <i>4:50Z</i>		All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS: <i>E-mol Results</i>	
Time:		Time:		Time:			
Delivered By: (Circle One)		Observed Temp. °C <i>4.4</i>		Sample Condition		CHECKED BY: (Initials) <i>JD</i>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>	
FORM-000 R 3.4 07/11/23				Thermometer ID #140		Bacteria (only) Sample Condition	
				Correction Factor 0°C		Cool Intact Observed Temp. °C	
						Corrected Temp. °C	

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

March 12, 2024

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU TRUNKLINE #303

Enclosed are the results of analyses for samples received by the laboratory on 03/06/24 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W 20 BGS 0-4' (H241145-01)**

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	03/08/2024	ND	2.17	108	2.00	0.994	
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26	
Total BTEX	<0.300	0.300	03/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	03/08/2024	ND	448	112	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	03/07/2024	ND	206	103	200	0.860	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	184	92.0	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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:	03/06/2024	Sampling Date:	03/06/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	NEDU TRUNKLINE #303	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	32.5039714, -103.1406888		

**Sample ID: W 21 BGS 0-4' (H241145-02)**

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	03/08/2024	ND	2.17	108	2.00	0.994		
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26		
Total BTEX	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	03/08/2024	ND	448	112	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	03/07/2024	ND	197	98.5	200	2.25	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	189	94.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W 22 BGS 0-4' (H241145-03)**

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	03/08/2024	ND	2.17	108	2.00	0.994	
Toluene*	<0.050	0.050	03/08/2024	ND	2.14	107	2.00	1.01	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.08	104	2.00	1.29	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.06	101	6.00	1.26	
Total BTEx	<0.300	0.300	03/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	03/08/2024	ND	448	112	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	03/07/2024	ND	197	98.5	200	2.25	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	189	94.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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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: 03/06/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W 18 BGS 0-4' (H241145-04)**

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	03/08/2024	ND	2.14	107	2.00	0.785	
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	0.817	
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.07	104	2.00	1.15	
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.24	104	6.00	1.36	
Total BTEX	<0.300	0.300	03/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	03/08/2024	ND	448	112	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	03/07/2024	ND	197	98.5	200	2.25	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	189	94.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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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:	03/06/2024	Sampling Date:	03/06/2024
Reported:	03/12/2024	Sampling Type:	Soil
Project Name:	NEDU TRUNKLINE #303	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	32.5039714, -103.1406888		

**Sample ID: W 19 BGS 0-4' (H241145-05)**

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	03/08/2024	ND	2.14	107	2.00	0.785		
Toluene*	<0.050	0.050	03/08/2024	ND	2.13	107	2.00	0.817		
Ethylbenzene*	<0.050	0.050	03/08/2024	ND	2.07	104	2.00	1.15		
Total Xylenes*	<0.150	0.150	03/08/2024	ND	6.24	104	6.00	1.36		
Total BTEx	<0.300	0.300	03/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	928	16.0	03/08/2024	ND	448	112	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	03/07/2024	ND	197	98.5	200	2.25	
DRO >C10-C28*	<10.0	10.0	03/07/2024	ND	189	94.4	200	2.16	
EXT DRO >C28-C36	<10.0	10.0	03/07/2024	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.3 % 49.1-148

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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

Company Name: <u>Apache</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>												
Project Manager: <u>Bruce Baker</u>				P.O. #:																
Address:				Company:																
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>				Attn:																
Phone #:				Address:																
Project #:				City:																
Project Name:				State: Zip:																
Project Location: <u>NEDU Trunk Line 303</u>				Phone #:																
Sampler Name: <u>Sosa Quereza</u>				Fax #:																
FOR LAB USE ONLY																				
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING		<u>CI</u> <u>BTEK</u> <u>EXT TPA</u>							
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:					ICE / COOL	OTHER:	DATE	TIME
<u>H241145</u>		<u>W20 BG50-4'</u>		<u>C</u>	<u>1</u>														<u>3/6</u>	<u>3:12</u>
<u>2</u>		<u>W21 BG50-4'</u>		<u>C</u>	<u>1</u>															<u>3:14</u>
<u>3</u>		<u>W22 BG50-4'</u>		<u>C</u>	<u>1</u>															<u>3:16</u>
<u>4</u>		<u>W18 BG50-4'</u>		<u>C</u>	<u>1</u>															<u>3:42</u>
<u>5</u>		<u>W19 BG50-4'</u>		<u>C</u>	<u>1</u>															<u>3:44</u>

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Relinquished By: <u>Sosa Quereza</u>		Date: <u>3/6/24</u>		Received By: <u>Bruce Baker</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: <u>4:50</u>				All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS: <u>E-Mail Results</u>	
		Time:					
Delivered By: (Circle One)		Observed Temp. °C <u>4.4</u>		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		CHECKED BY: (Initials) <u>JO</u>		Thermometer ID #140 Correction Factor 0°C	
						Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	

FORM-006 R 3.4 07/11/23

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



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

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March 12, 2024

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU TRUNKLINE #303

Enclosed are the results of analyses for samples received by the laboratory on 03/07/24 16:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 76 (H241176-01)**

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	03/09/2024	ND	2.03	102	2.00	6.41	
Toluene*	<0.050	0.050	03/09/2024	ND	2.00	100	2.00	6.40	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.97	98.6	2.00	6.02	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	5.74	95.7	6.00	5.96	
Total BTEX	<0.300	0.300	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	03/11/2024	ND	432	108	400	3.64	

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	03/08/2024	ND	213	106	200	1.37	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	210	105	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 77 (H241176-02)**

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	03/09/2024	ND	2.03	102	2.00	6.41		
Toluene*	<0.050	0.050	03/09/2024	ND	2.00	100	2.00	6.40		
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.97	98.6	2.00	6.02		
Total Xylenes*	<0.150	0.150	03/09/2024	ND	5.74	95.7	6.00	5.96		
Total BTEX	<0.300	0.300	03/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	03/11/2024	ND	432	108	400	3.64		

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	03/08/2024	ND	213	106	200	1.37	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	210	105	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 78 (H241176-03)**

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	03/09/2024	ND	2.03	102	2.00	6.41		
Toluene*	<0.050	0.050	03/09/2024	ND	2.00	100	2.00	6.40		
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.97	98.6	2.00	6.02		
Total Xylenes*	<0.150	0.150	03/09/2024	ND	5.74	95.7	6.00	5.96		
Total BTEX	<0.300	0.300	03/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/11/2024	ND	432	108	400	3.64		

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	03/08/2024	ND	213	106	200	1.37	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	210	105	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.9 % 49.1-148

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 81 (H241176-04)**

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	03/09/2024	ND	2.03	102	2.00	6.41		
Toluene*	<0.050	0.050	03/09/2024	ND	2.00	100	2.00	6.40		
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.97	98.6	2.00	6.02		
Total Xylenes*	<0.150	0.150	03/09/2024	ND	5.74	95.7	6.00	5.96		
Total BTEX	<0.300	0.300	03/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1310	16.0	03/11/2024	ND	432	108	400	3.64		

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	03/08/2024	ND	213	106	200	1.37	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	210	105	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.0 % 49.1-148

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 82 (H241176-05)**

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	03/09/2024	ND	2.03	102	2.00	6.41	
Toluene*	<0.050	0.050	03/09/2024	ND	2.00	100	2.00	6.40	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.97	98.6	2.00	6.02	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	5.74	95.7	6.00	5.96	
Total BTEX	<0.300	0.300	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1250	16.0	03/11/2024	ND	432	108	400	3.64		

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	03/08/2024	ND	213	106	200	1.37	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	210	105	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 83 (H241176-06)**

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	03/09/2024	ND	2.03	102	2.00	6.41		
Toluene*	<0.050	0.050	03/09/2024	ND	2.00	100	2.00	6.40		
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.97	98.6	2.00	6.02		
Total Xylenes*	<0.150	0.150	03/09/2024	ND	5.74	95.7	6.00	5.96		
Total BTEX	<0.300	0.300	03/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	03/11/2024	ND	432	108	400	3.64		

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	03/08/2024	ND	213	106	200	1.37	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	210	105	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 73.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.7 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 84 (H241176-07)**

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	03/09/2024	ND	2.03	102	2.00	6.41	
Toluene*	<0.050	0.050	03/09/2024	ND	2.00	100	2.00	6.40	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.97	98.6	2.00	6.02	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	5.74	95.7	6.00	5.96	
Total BTEX	<0.300	0.300	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	03/11/2024	ND	432	108	400	3.64		

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	03/08/2024	ND	213	106	200	1.37	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	210	105	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.0 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 85 (H241176-08)**

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	03/09/2024	ND	2.03	102	2.00	6.41		
Toluene*	<0.050	0.050	03/09/2024	ND	2.00	100	2.00	6.40		
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.97	98.6	2.00	6.02		
Total Xylenes*	<0.150	0.150	03/09/2024	ND	5.74	95.7	6.00	5.96		
Total BTEX	<0.300	0.300	03/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	03/11/2024	ND	432	108	400	3.64	

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	03/08/2024	ND	213	106	200	1.37	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	210	105	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 67.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.1 % 49.1-148

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 86 (H241176-09)**

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	03/09/2024	ND	2.03	102	2.00	6.41		
Toluene*	<0.050	0.050	03/09/2024	ND	2.00	100	2.00	6.40		
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.97	98.6	2.00	6.02		
Total Xylenes*	<0.150	0.150	03/09/2024	ND	5.74	95.7	6.00	5.96		
Total BTEX	<0.300	0.300	03/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/11/2024	ND	432	108	400	3.64		

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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 59.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.1 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 87 (H241176-10)**

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	03/09/2024	ND	2.03	102	2.00	6.41		
Toluene*	<0.050	0.050	03/09/2024	ND	2.00	100	2.00	6.40		
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.97	98.6	2.00	6.02		
Total Xylenes*	<0.150	0.150	03/09/2024	ND	5.74	95.7	6.00	5.96		
Total BTEX	<0.300	0.300	03/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/11/2024	ND	432	108	400	3.64		

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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 73.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 88 (H241176-11)**

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	03/09/2024	ND	2.03	102	2.00	6.41	
Toluene*	<0.050	0.050	03/09/2024	ND	2.00	100	2.00	6.40	
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.97	98.6	2.00	6.02	
Total Xylenes*	<0.150	0.150	03/09/2024	ND	5.74	95.7	6.00	5.96	
Total BTEX	<0.300	0.300	03/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	03/11/2024	ND	432	108	400	3.64		

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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 67.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 89 (H241176-12)**

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	03/09/2024	ND	2.03	102	2.00	6.41		
Toluene*	<0.050	0.050	03/09/2024	ND	2.00	100	2.00	6.40		
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.97	98.6	2.00	6.02		
Total Xylenes*	<0.150	0.150	03/09/2024	ND	5.74	95.7	6.00	5.96		
Total BTEX	<0.300	0.300	03/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 72.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.7 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 79 (H241176-13)**

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	03/09/2024	ND	2.03	102	2.00	6.41		
Toluene*	<0.050	0.050	03/09/2024	ND	2.00	100	2.00	6.40		
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.97	98.6	2.00	6.02		
Total Xylenes*	<0.150	0.150	03/09/2024	ND	5.74	95.7	6.00	5.96		
Total BTEX	<0.300	0.300	03/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1840	16.0	03/11/2024	ND	432	108	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	03/09/2024	ND	205	102	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 80 (H241176-14)**

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	03/09/2024	ND	2.03	102	2.00	6.41		
Toluene*	<0.050	0.050	03/09/2024	ND	2.00	100	2.00	6.40		
Ethylbenzene*	<0.050	0.050	03/09/2024	ND	1.97	98.6	2.00	6.02		
Total Xylenes*	<0.150	0.150	03/09/2024	ND	5.74	95.7	6.00	5.96		
Total BTEX	<0.300	0.300	03/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1230	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 90 (H241176-15)**

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	03/10/2024	ND	2.01	101	2.00	10.3	
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1	
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99	
Total BTEX	<0.300	0.300	03/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 91 (H241176-16)**

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	03/10/2024	ND	2.01	101	2.00	10.3		
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99		
Total BTEX	<0.300	0.300	03/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1390	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 92 (H241176-17)**

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	03/10/2024	ND	2.01	101	2.00	10.3		
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99		
Total BTEX	<0.300	0.300	03/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2050	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 93 (H241176-18)**

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	03/10/2024	ND	2.01	101	2.00	10.3		
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99		
Total BTEX	<0.300	0.300	03/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 94 (H241176-19)**

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	03/10/2024	ND	2.01	101	2.00	10.3	
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1	
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99	
Total BTEX	<0.300	0.300	03/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	51.1	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	14.7	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 95.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 95 (H241176-20)**

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	03/10/2024	ND	2.01	101	2.00	10.3		
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99		
Total BTEX	<0.300	0.300	03/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1540	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	119	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	25.7	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 96 (H241176-21)**

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	03/10/2024	ND	2.01	101	2.00	10.3		
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99		
Total BTEX	<0.300	0.300	03/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 72.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 97 (H241176-22)**

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	03/10/2024	ND	2.01	101	2.00	10.3	
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1	
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99	
Total BTEX	<0.300	0.300	03/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 72.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 98 (H241176-23)**

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	03/10/2024	ND	2.01	101	2.00	10.3	
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1	
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99	
Total BTEX	<0.300	0.300	03/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 73.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 99 (H241176-24)**

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	03/10/2024	ND	2.01	101	2.00	10.3	
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1	
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99	
Total BTEX	<0.300	0.300	03/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 100 (H241176-25)**

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	03/10/2024	ND	2.01	101	2.00	10.3		
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99		
Total BTEx	<0.300	0.300	03/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6400	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 101 (H241176-26)**

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	03/10/2024	ND	2.01	101	2.00	10.3		
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99		
Total BTEX	<0.300	0.300	03/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2480	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 102 (H241176-27)**

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	03/10/2024	ND	2.01	101	2.00	10.3		
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99		
Total BTEX	<0.300	0.300	03/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2520	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 103 (H241176-28)**

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	03/10/2024	ND	2.01	101	2.00	10.3	
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1	
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99	
Total BTEX	<0.300	0.300	03/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1280	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	205	102	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	219	110	200	1.42	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 104 (H241176-29)**

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	03/10/2024	ND	2.01	101	2.00	10.3		
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99		
Total BTEX	<0.300	0.300	03/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 49.1-148

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 105 (H241176-30)**

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	03/10/2024	ND	2.01	101	2.00	10.3		
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99		
Total BTEX	<0.300	0.300	03/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.5 % 49.1-148

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 106 (H241176-31)**

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	03/10/2024	ND	2.01	101	2.00	10.3	
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1	
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1	
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99	
Total BTEX	<0.300	0.300	03/10/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 70.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.8 % 49.1-148

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 107 (H241176-32)**

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	03/10/2024	ND	2.01	101	2.00	10.3		
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99		
Total BTEX	<0.300	0.300	03/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 108 (H241176-33)**

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	03/10/2024	ND	2.01	101	2.00	10.3		
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99		
Total BTEX	<0.300	0.300	03/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5040	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

Cardinal Laboratories

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 109 (H241176-34)**

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	03/10/2024	ND	2.01	101	2.00	10.3		
Toluene*	<0.050	0.050	03/10/2024	ND	1.99	99.7	2.00	10.1		
Ethylbenzene*	<0.050	0.050	03/10/2024	ND	1.96	98.0	2.00	10.1		
Total Xylenes*	<0.150	0.150	03/10/2024	ND	5.70	94.9	6.00	9.99		
Total BTEX	<0.300	0.300	03/10/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1010	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 110 (H241176-35)**

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	03/11/2024	ND	2.08	104	2.00	0.254	
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	0.0862	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	0.113	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.12	102	6.00	0.577	
Total BTEX	<0.300	0.300	03/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 111 (H241176-36)**

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	03/11/2024	ND	2.08	104	2.00	0.254		
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	0.0862		
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	0.113		
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.12	102	6.00	0.577		
Total BTEX	<0.300	0.300	03/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	03/11/2024	ND	432	108	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	03/08/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/08/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/08/2024	ND					

Surrogate: 1-Chlorooctane 88.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.9 % 49.1-148

Cardinal Laboratories

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 112 (H241176-37)**

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	03/11/2024	ND	2.08	104	2.00	0.254		
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	0.0862		
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	0.113		
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.12	102	6.00	0.577		
Total BTEX	<0.300	0.300	03/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3760	16.0	03/11/2024	ND	432	108	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	03/09/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 113 (H241176-38)**

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	03/11/2024	ND	2.08	104	2.00	0.254		
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	0.0862		
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	0.113		
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.12	102	6.00	0.577		
Total BTEX	<0.300	0.300	03/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1390	16.0	03/11/2024	ND	432	108	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	03/09/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 114 (H241176-39)**

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	03/11/2024	ND	2.08	104	2.00	0.254		
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	0.0862		
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	0.113		
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.12	102	6.00	0.577		
Total BTEX	<0.300	0.300	03/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1150	16.0	03/11/2024	ND	432	108	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	03/09/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 115 (H241176-40)**

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	03/11/2024	ND	2.08	104	2.00	0.254		
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	0.0862		
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	0.113		
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.12	102	6.00	0.577		
Total BTEx	<0.300	0.300	03/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/11/2024	ND	432	108	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	03/09/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.5 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 116 (H241176-41)**

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	03/11/2024	ND	2.08	104	2.00	0.254	
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	0.0862	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	0.113	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.12	102	6.00	0.577	
Total BTEX	<0.300	0.300	03/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/11/2024	ND	432	108	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	03/09/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.2 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 117 (H241176-42)**

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	03/11/2024	ND	2.08	104	2.00	0.254		
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	0.0862		
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	0.113		
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.12	102	6.00	0.577		
Total BTEX	<0.300	0.300	03/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/11/2024	ND	432	108	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	03/09/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.2 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 118 (H241176-43)**

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	03/11/2024	ND	2.08	104	2.00	0.254		
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	0.0862		
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	0.113		
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.12	102	6.00	0.577		
Total BTEX	<0.300	0.300	03/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	03/11/2024	ND	432	108	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	03/09/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 119 @ 4' (H241176-44)**

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	03/11/2024	ND	2.08	104	2.00	0.254	
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	0.0862	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	0.113	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.12	102	6.00	0.577	
Total BTEX	<0.300	0.300	03/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/11/2024	ND	432	108	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	03/09/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.2 % 49.1-148

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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 120 @ 4' (H241176-45)**

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	03/11/2024	ND	2.08	104	2.00	0.254		
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	0.0862		
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	0.113		
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.12	102	6.00	0.577		
Total BTEx	<0.300	0.300	03/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	03/11/2024	ND	432	108	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	03/09/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.2 % 49.1-148

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 121 @ 4' (H241176-46)**

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	03/11/2024	ND	2.08	104	2.00	0.254		
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	0.0862		
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	0.113		
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.12	102	6.00	0.577		
Total BTEX	<0.300	0.300	03/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/11/2024	ND	432	108	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	03/09/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.2 % 49.1-148

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 122 @ 4' (H241176-47)**

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	03/11/2024	ND	2.08	104	2.00	0.254	
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	0.0862	
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	0.113	
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.12	102	6.00	0.577	
Total BTEX	<0.300	0.300	03/11/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	03/11/2024	ND	432	108	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	03/09/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.4 % 49.1-148

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 23 BGS 0-4' (H241176-48)**

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	03/11/2024	ND	2.08	104	2.00	0.254		
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	0.0862		
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	0.113		
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.12	102	6.00	0.577		
Total BTEX	<0.300	0.300	03/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	03/11/2024	ND	432	108	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	03/09/2024	ND	244	122	200	0.976	
DRO >C10-C28*	<10.0	10.0	03/09/2024	ND	242	121	200	3.69	
EXT DRO >C28-C36	<10.0	10.0	03/09/2024	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.1 % 49.1-148

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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: 03/07/2024  
 Reported: 03/12/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/07/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 24 BGS 0-4' (H241176-49)**

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	03/11/2024	ND	2.08	104	2.00	0.254		
Toluene*	<0.050	0.050	03/11/2024	ND	2.08	104	2.00	0.0862		
Ethylbenzene*	<0.050	0.050	03/11/2024	ND	2.04	102	2.00	0.113		
Total Xylenes*	<0.150	0.150	03/11/2024	ND	6.12	102	6.00	0.577		
Total BTEX	<0.300	0.300	03/11/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	03/11/2024	ND	432	108	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	03/11/2024	ND	202	101	200	4.26	
DRO >C10-C28*	<10.0	10.0	03/11/2024	ND	190	94.9	200	5.67	
EXT DRO >C28-C36	<10.0	10.0	03/11/2024	ND					

Surrogate: 1-Chlorooctane 72.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager




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Notes and Definitions

- S-04            The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QM-07        The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- BS-3           Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
- ND            Analyte NOT DETECTED at or above the reporting limit
- RPD           Relative Percent Difference
- \*\*            Samples not received at proper temperature of 6°C or below.
- \*\*\*          Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

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\_\_\_\_\_  
Celey D. Keene, Lab Director/Quality Manager



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: <u>Bruce Baker</u>				P.O. #:															
Address:				Company:															
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>				Attn:															
Phone #:				Address:															
Project #:				City:															
Project Name:				State: Zip:															
Project Location: <u>WEDU Trunk Line 303</u>				Phone #:															
Sampler Name: <u>Jose Quezada</u>				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING							
						GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME			
4241176																			
1 B74				C	1										3/5	9:22			
2 B77				C	1											9:24			
3 B78				C	1											9:26			
4 B81				C	1											9:28			
5 B82				C	1											9:30			
6 B83				C	1											9:32			
7 B84				C	1											9:34			
8 B85				C	1											9:36			
9 B86				C	1											9:38			
10 B87				C	1											9:40			

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Relinquished By: <u>Jose Quezada</u>		Date: <u>3/7/24</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:	
Time: <u>4:31</u>		Time: <u>4:31</u>		Time: <u>4:31</u>		All Results are emailed. Please provide Email address: <u>Larry B.</u>	
Relinquished By: <u>Jose Quezada</u>		Date: <u>3/7/24</u>		Received By: <u>[Signature]</u>		REMARKS: <u>E-Mail Results</u>	
Time: <u>4:31</u>		Time: <u>4:31</u>		Time: <u>4:31</u>		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C <u>0.1</u> Corrected Temp. °C		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No	
CHECKED BY: <u>[Signature]</u> (Initials)		Thermometer ID #140 Correction Factor 0°C		Corrected Temp. °C			

FORM-006 R 3.4 07/11/25

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																	
Project Manager: <u>Bruce Baker</u>				P.O. #:																					
Address:				Company:																					
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>				Attn:																					
Phone #:				Address:																					
Project #:				City:																					
Project Name:				State: Zip:																					
Project Location: <u>NFPA Trunk Line 303</u>				Phone #:																					
Sampler Name: <u>Jose Quevedo</u>				Fax #:																					
FOR LAB USE ONLY																									
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING		DATE		TIME		CI		BTEX		EXT TPH	
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE/COOL OTHER:													
211		B96		C		1										3/7		11:36							
22		B97		C		1												11:38							
23		B98		C		1												1:40							
24		B99		C		1												1:42							
25		B100		C		1												1:44							
26		B101		C		1												1:46							
27		B102		C		1												1:48							
28		B103		C		1												1:50							
29		B104		C		1												1:52							
30		B105		C		1												1:54							

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Relinquished By: <u>Jose Quevedo</u>		Date: <u>3/7/24</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:	
Relinquished By:		Time: <u>16:31</u>		Received By:		All Results are emailed. Please provide Email address: <u>Larry B. Jose Q</u>			
		Date:				to: <u>ApacheDiamondBack@nm.com, Jason O.</u>			
		Time:				REMARKS:			
						<u>E-Mail Results</u>			
Delivered By: (Circle One)		Observed Temp. °C <u>-0.1</u>		Sample Condition		CHECKED BY: (Initials)		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<u>[Signature]</u>		Thermometer ID #140	
				Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				Correction Factor 0°C	
								Bacteria (only) Sample Condition	
								Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
								Observed Temp. °C	
								Corrected Temp. °C	

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(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																				
Project Manager: <u>Bruce Baker</u>		P.O. #:																						
Address:		Company:																						
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn:																						
Phone #: Fax #:		Address:																						
Project #: Project Owner:		City:																						
Project Name:		State: Zip:																						
Project Location: <u>NEDU Trunk Line 303</u>		Phone #:																						
Sampler Name: <u>Jose Quezada</u>		Fax #:																						
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(G/RAB OR COMP.)	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME										
31	B104	C	1										3/7	1:54										
32	B107	C	1											1:54										
33	B108	C	1											2:00										
34	B109	C	1											2:02										
35	B110	C	1											2:04										
36	B111	C	1											2:04										
37	B112	C	1											2:08										
38	B113	C	1											2:10										
39	B114	C	1											2:12										
40	B115	C	1											2:14										

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Relinquished By: <u>Jose Quezada</u>		Date: <u>3/7/24</u>	Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <u>4:31</u>		Time: <u>[Signature]</u>		All Results are emailed. Please provide Email address: <u>Larry Baker</u>		
Relinquished By:		Date:	Received By:		Apa@diamondbacknm.com, Jason O. Jose &	
Time:				REMARKS: <u>E-Mail Results</u>		
Delivered By: (Circle One)		Observed Temp. °C <u>0.1°</u>	Sample Condition		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
Sampler - UPS - Bus - Other:		Corrected Temp. °C	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	
			<input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Yes <input type="checkbox"/> No	
			<input type="checkbox"/> No <input type="checkbox"/> No		<input type="checkbox"/> No <input type="checkbox"/> No	
			CHECKED BY: (Initials) <u>[Signature]</u>		Thermometer ID #140 Correction Factor 0°C	

FORM-000 R 5.4 07/11/23

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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>Apache</b>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>												
Project Manager: <b>Bruce Baker</b>				P.O. #:																
Address:				Company:																
City: <b>Hobbs</b>		State: <b>NM</b>		Zip: <b>88240</b>		Attn:														
Phone #:		Fax #:		Address:		City:														
Project #:		Project Owner:		State:		Zip:														
Project Name:				Phone #:																
Project Location: <b>NEDu Truck Lr 303</b>				Fax #:																
Sampler Name: <b>José Reese</b>																				
FOR LAB USE ONLY				MATRIX				PRESERV.	SAMPLING											
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE: <u>(ICE)</u>	COOL	OTHER :	DATE	TIME						
<b>H241174</b>																				
<b>41 B116</b>		C	1			/							<b>3/1</b>	<b>2:14</b>						
<b>42 B117</b>		C	1			/								<b>2:18</b>						
<b>43 B118</b>		C	1			/								<b>2:20</b>						
<b>44 B119 @ 4'</b>		C	1			/								<b>2:50</b>						
<b>45 B120 @ 4'</b>		C	1			/								<b>2:52</b>						
<b>46 B121 @ 4'</b>		C	1			/								<b>2:54</b>						
<b>47 B122 @ 4'</b>		C	1			/								<b>2:56</b>						
<b>7-24</b>																				
<b>8x</b>																				
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Relinquished By: <b>José Reese</b>				Date: <b>3/7/24</b>				Received By: <b>[Signature]</b>				Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: <b>Larry Baker</b>								
Time: <b>4:31</b>												All Results are emailed. Please provide Email address: <b>AP@diamondbackfarm.com, Jason O, Jose R</b>								
Relinquished By:				Date:				Received By:				REMARKS: <b>E-Mg: / Results</b>								
Time:																				
Delivered By: (Circle One)				Observed Temp. °C <b>-0.1</b>				Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				CHECKED BY: (Initials) <b>[Signature]</b>								
Sampler - UPS - Bus - Other:				Corrected Temp. °C								Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>								
												Thermometer ID #140 Correction Factor 0°C								
												Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>								
												Corrected Temp. °C <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>								

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																					
Project Manager: <u>Bruce Baker</u>				P.O. #:																									
Address:				Company:																									
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>				Attn:																									
Phone #:				Address:																									
Project #:				City:																									
Project Owner:				State: Zip:																									
Project Name:				Phone #:																									
Project Location: <u>NEDU Trunk Line 303</u>				Fax #:																									
Sampler Name: <u>José Querales</u>																													
FOR LAB USE ONLY		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING		<u>C1</u> <u>BTEX</u> <u>EXT TPH</u>													
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE/COOL OTHER:		DATE														TIME	
<u>H24176</u>																													
<u>Lab I.D.</u>																													
<u>48</u>		<u>W23 BG50-4'</u>		<u>1</u>								<u>1</u>		<u>3/7</u>														<u>3:54</u>	
<u>49</u>		<u>W24 BG50-4'</u>		<u>1</u>								<u>1</u>		<u>3</u>														<u>3:54</u>	
<u>8R</u>																													
<u>3-7-24</u>																													

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Relinquished By: <u>José Querales</u>		Date: <u>3/7/24</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <u>4:31</u>		Time: <u>4:31</u>		Time: <u>4:31</u>		All Results are emailed. Please provide Email address: <u>Larry B. Apa @ Diamond Back nm.com, Jason Q, José Q</u>	
Relinquished By:		Date:		Received By:		REMARKS:	
Time:		Time:		Time:		<u>E-mail Results</u>	
Delivered By: (Circle One)		Observed Temp. °C <u>-0.10</u>		Sample Condition Cool Intact		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		<u>[Signature]</u>	
						Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
						Thermometer ID #140 Correction Factor 0°C	
						Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	
						<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	

FORM-006 R 3.4 07/11/23

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



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

March 13, 2024

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU TRUNKLINE #303

Enclosed are the results of analyses for samples received by the laboratory on 03/08/24 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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](http://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: 03/08/2024  
 Reported: 03/13/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 25 (H241204-01)**

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	03/12/2024	ND	1.95	97.3	2.00	5.60	
Toluene*	<0.050	0.050	03/12/2024	ND	2.04	102	2.00	4.97	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	1.99	99.7	2.00	4.61	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.07	101	6.00	4.54	
Total BTEX	<0.300	0.300	03/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/12/2024	ND	448	112	400	3.64		

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	03/12/2024	ND	201	100	200	0.200	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	195	97.6	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

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: 03/08/2024  
 Reported: 03/13/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 26 (H241204-02)**

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	03/12/2024	ND	1.95	97.3	2.00	5.60		
Toluene*	<0.050	0.050	03/12/2024	ND	2.04	102	2.00	4.97		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	1.99	99.7	2.00	4.61		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.07	101	6.00	4.54		
Total BTEX	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/12/2024	ND	448	112	400	3.64		

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	03/12/2024	ND	201	100	200	0.200	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	195	97.6	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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: 03/08/2024  
 Reported: 03/13/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 27 (H241204-03)**

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	03/12/2024	ND	1.95	97.3	2.00	5.60		
Toluene*	<0.050	0.050	03/12/2024	ND	2.04	102	2.00	4.97		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	1.99	99.7	2.00	4.61		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.07	101	6.00	4.54		
Total BTEX	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/12/2024	ND	448	112	400	3.64		

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	03/12/2024	ND	201	100	200	0.200	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	195	97.6	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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: 03/08/2024  
 Reported: 03/13/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 28 (H241204-04)**

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	03/12/2024	ND	1.95	97.3	2.00	5.60	
Toluene*	<0.050	0.050	03/12/2024	ND	2.04	102	2.00	4.97	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	1.99	99.7	2.00	4.61	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.07	101	6.00	4.54	
Total BTEX	<0.300	0.300	03/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/12/2024	ND	448	112	400	3.64	

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	03/12/2024	ND	201	100	200	0.200	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	195	97.6	200	0.663	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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: 03/08/2024  
 Reported: 03/13/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 29 BGS 0-4' (H241204-05)**

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	03/12/2024	ND	1.95	97.3	2.00	5.60		
Toluene*	<0.050	0.050	03/12/2024	ND	2.04	102	2.00	4.97		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	1.99	99.7	2.00	4.61		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.07	101	6.00	4.54		
Total BTEX	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/12/2024	ND	448	112	400	3.64		

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	03/12/2024	ND	216	108	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	214	107	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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: 03/08/2024  
 Reported: 03/13/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 30 BGS 0-4' (H241204-06)**

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	03/12/2024	ND	2.16	108	2.00	2.60		
Toluene*	<0.050	0.050	03/12/2024	ND	2.13	107	2.00	2.38		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.10	105	2.00	2.00		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.11	102	6.00	2.09		
Total BTEX	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/12/2024	ND	448	112	400	3.64		

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	03/12/2024	ND	216	108	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	214	107	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.9 % 49.1-148

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: 03/08/2024  
 Reported: 03/13/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 31 (H241204-07)**

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	03/12/2024	ND	2.16	108	2.00	2.60		
Toluene*	<0.050	0.050	03/12/2024	ND	2.13	107	2.00	2.38		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.10	105	2.00	2.00		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.11	102	6.00	2.09		
Total BTEX	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	03/12/2024	ND	448	112	400	3.64		

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	03/12/2024	ND	216	108	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	214	107	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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: 03/08/2024  
 Reported: 03/13/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 32 (H241204-08)**

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	03/12/2024	ND	2.16	108	2.00	2.60		
Toluene*	<0.050	0.050	03/12/2024	ND	2.13	107	2.00	2.38		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.10	105	2.00	2.00		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.11	102	6.00	2.09		
Total BTEX	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/12/2024	ND	448	112	400	3.64		

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	03/12/2024	ND	216	108	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	214	107	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 49.1-148

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: 03/08/2024  
 Reported: 03/13/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 33 (H241204-09)**

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	03/12/2024	ND	2.16	108	2.00	2.60	
Toluene*	<0.050	0.050	03/12/2024	ND	2.13	107	2.00	2.38	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.10	105	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.11	102	6.00	2.09	
Total BTEX	<0.300	0.300	03/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/12/2024	ND	448	112	400	3.64	

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	03/12/2024	ND	216	108	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	214	107	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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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: 03/08/2024  
 Reported: 03/13/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 34 (H241204-10)**

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	03/12/2024	ND	2.16	108	2.00	2.60		
Toluene*	<0.050	0.050	03/12/2024	ND	2.13	107	2.00	2.38		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.10	105	2.00	2.00		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.11	102	6.00	2.09		
Total BTEX	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	03/12/2024	ND	448	112	400	3.64		

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	03/12/2024	ND	216	108	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	214	107	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 94.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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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: 03/08/2024  
 Reported: 03/13/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 35 (H241204-11)**

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	03/12/2024	ND	2.16	108	2.00	2.60		
Toluene*	<0.050	0.050	03/12/2024	ND	2.13	107	2.00	2.38		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.10	105	2.00	2.00		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.11	102	6.00	2.09		
Total BTEX	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/12/2024	ND	448	112	400	3.64		

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	03/12/2024	ND	216	108	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	214	107	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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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: 03/08/2024  
 Reported: 03/13/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 36 (H241204-12)**

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	03/12/2024	ND	2.16	108	2.00	2.60	
Toluene*	<0.050	0.050	03/12/2024	ND	2.13	107	2.00	2.38	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.10	105	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.11	102	6.00	2.09	
Total BTEX	<0.300	0.300	03/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	03/12/2024	ND	448	112	400	3.64	

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	03/12/2024	ND	216	108	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	214	107	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

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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: 03/08/2024  
 Reported: 03/13/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 123 6" (H241204-13)**

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	03/12/2024	ND	2.16	108	2.00	2.60	
Toluene*	<0.050	0.050	03/12/2024	ND	2.13	107	2.00	2.38	
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.10	105	2.00	2.00	
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.11	102	6.00	2.09	
Total BTEX	<0.300	0.300	03/12/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	832	16.0	03/12/2024	ND	448	112	400	3.64		

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	03/12/2024	ND	216	108	200	2.65	
DRO >C10-C28*	116	10.0	03/12/2024	ND	214	107	200	1.70	
EXT DRO >C28-C36	11.8	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 96.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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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: 03/08/2024  
 Reported: 03/13/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: B 124 6" (H241204-14)**

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	03/12/2024	ND	2.16	108	2.00	2.60		
Toluene*	<0.050	0.050	03/12/2024	ND	2.13	107	2.00	2.38		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.10	105	2.00	2.00		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.11	102	6.00	2.09		
Total BTEX	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1410	16.0	03/12/2024	ND	448	112	400	3.64		

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	03/12/2024	ND	216	108	200	2.65	
DRO >C10-C28*	14.0	10.0	03/12/2024	ND	214	107	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 49.1-148

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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: 03/08/2024  
 Reported: 03/13/2024  
 Project Name: NEDU TRUNKLINE #303  
 Project Number: NONE GIVEN  
 Project Location: 32.5039714, -103.1406888

Sampling Date: 03/08/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Dionica Hinojos

**Sample ID: W 39 (H241204-15)**

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	03/12/2024	ND	2.16	108	2.00	2.60		
Toluene*	<0.050	0.050	03/12/2024	ND	2.13	107	2.00	2.38		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.10	105	2.00	2.00		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.11	102	6.00	2.09		
Total BTEX	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/12/2024	ND	448	112	400	3.64		

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	03/12/2024	ND	216	108	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	214	107	200	1.70	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																		
Project Manager: <u>Bruce Baker</u>				P.O. #:																						
Address:				Company:																						
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>				Attn:																						
Phone #: Fax #:				Address:																						
Project #: Project Owner:				City:																						
Project Name:				State: Zip:																						
Project Location: <u>NE Du Trunk Line 303</u>				Phone #:																						
Sampler Name: <u>Jose Quereh</u>				Fax #:																						
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING																
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												
<u>H241204</u>																										
1	W25	C	1										3/6	9:20												
2	W26	C	1											9:22												
3	W27	C	1											9:24												
4	W28	C	1											9:26												
5	W29 BGS 0-4'	C	1											10:32												
6	W30 BGS 0-4'	C	1											10:34												
7	W31	C	1											10:36												
8	W32	C	1											10:38												
9	W33	C	1											10:40												
10	W34	C	1											10:42												

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Relinquished By: <u>Jose Quereh</u>	Date: <u>3/4/24</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: <u>3:35</u>	Received By:	All Results are emailed. Please provide Email address: <u>Apex@diamondbacknm.com</u>	
Delivered By: (Circle One)	Observed Temp. °C <u>3.10</u>	Sample Condition	REMARKS: <u>E-Mail Results</u>	
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	
		Checked By: (Initials) <u>[Signature]</u>	Bacteria (only) Sample Condition	
			Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
			Observed Temp. °C	
			Corrected Temp. °C	

FORM 000 R 3.4 07/11/23

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>															
Project Manager: <u>Bruce Baker</u>				P.O. #:																			
Address:				Company:																			
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>				Attn:																			
Phone #: Fax #:				Address:																			
Project #: Project Owner:				City:																			
Project Name:				State: Zip:																			
Project Location: <u>NED U Trunk Line 303</u>				Phone #:																			
Sampler Name: <u>Jose Querech</u>				Fax #:																			
FOR LAB USE ONLY						MATRIX		PRESERV.		SAMPLING													
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									
<u>H241204</u>																							
<u>11</u>	<u>W35</u>	<u>C</u>	<u>1</u>			<u>1</u>					<u>1</u>		<u>3/4</u>	<u>12:06</u>									
<u>12</u>	<u>W36</u>	<u>C</u>	<u>1</u>			<u>1</u>					<u>1</u>		<u>12:08</u>	<u>12:08</u>									
<u>13</u>	<u>B1236"</u>	<u>C</u>	<u>1</u>			<u>1</u>					<u>1</u>		<u>12:10</u>	<u>12:10</u>									
<u>14</u>	<u>B1246"</u>	<u>C</u>	<u>1</u>			<u>1</u>					<u>1</u>		<u>12:12</u>	<u>12:12</u>									
<u>15</u>	<u>W39</u>	<u>C</u>	<u>1</u>			<u>1</u>					<u>1</u>		<u>12:14</u>	<u>12:14</u>									

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Relinquished By: <u>Jose Querech</u>		Date: <u>8/8/24</u>	Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <u>3:35</u>		Time: <u>3:35</u>		All Results are emailed. Please provide Email address:		
Relinquished By:		Date:	Received By:		Remarks: <u>E-mail Results</u>	
Time:						
Delivered By: (Circle One)	Observed Temp. °C <u>3.1<sup>0C</sup></u>	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	<u>[Signature]</u>	Thermometer ID #140		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No
				Correction Factor 0°C		Observed Temp. °C
						Corrected Temp. °C

FORM 000 R 3.4 07/11/23

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

QUESTIONS  
  
Action 352915

QUESTIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID:	873
	Action Number:	352915
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2307355788
Incident Name	NAPP2307355788 NEDU INJECTION LINE 303 @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	NEDU INJECTION LINE 303
Date Release Discovered	03/08/2023
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Corrosion   Pipeline (Any)   Produced Water   Released: 251 BBL   Recovered: 60 BBL   Lost: 191 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 352915

**QUESTIONS (continued)**

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID:	873
	Action Number:	352915
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Larry Baker Title: Sr Environmental Tech Email: larry.baker@apachecorp.com Date: 06/11/2024
--	--



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QUESTIONS, Page 3

Action 352915

**QUESTIONS (continued)**

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID:
	873
	Action Number:
	352915
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1000 (ft.) and ½ (mi.)
Any other fresh water well or spring	Between 1000 (ft.) and ½ (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	19600
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	136
GRO+DRO	(EPA SW-846 Method 8015M)	107
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	01/08/2024
On what date will (or did) the final sampling or liner inspection occur	02/05/2024
On what date will (or was) the remediation complete(d)	05/16/2024
What is the estimated surface area (in square feet) that will be reclaimed	30000
What is the estimated volume (in cubic yards) that will be reclaimed	6416
What is the estimated surface area (in square feet) that will be remediated	30000
What is the estimated volume (in cubic yards) that will be remediated	6416

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 352915

**QUESTIONS (continued)**

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID:	873
	Action Number:	352915
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Yes
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

I hereby agree and sign off to the above statement	Name: Larry Baker Title: Sr Environmental Tech Email: larry.baker@apachecorp.com Date: 06/11/2024
--	--

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 5  
  
Action 352915

**QUESTIONS (continued)**

Operator:  APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID:	873
	Action Number:	352915
	Action Type:	
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

**QUESTIONS**

<b>Deferral Requests Only</b>	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 352915

**QUESTIONS (continued)**

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID:	873
	Action Number:	352915
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	321543
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/13/2024
What was the (estimated) number of samples that were to be gathered	32
What was the sampling surface area in square feet	31000

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	30000
What was the total volume (cubic yards) remediated	6416
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	30000
What was the total volume (in cubic yards) reclaimed	6416
Summarize any additional remediation activities not included by answers (above)	Remediation completed in accordance with OCD approved plan

*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 (in .pdf format) 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.*

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.

I hereby agree and sign off to the above statement	Name: Larry Baker Title: Sr Environmental Tech Email: larry.baker@apachecorp.com Date: 06/11/2024
--	--

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QUESTIONS, Page 7  
  
Action 352915

QUESTIONS (continued)

Operator:  APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID:  873
	Action Number:  352915
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No



**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 352915

CONDITIONS

Operator:  APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID:  873
	Action Number:  352915
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
nvelez	Remediation closure report approved, release resolved. Operator is still the responsible party to remediate W18, W19, W20 sidewall sample areas between 0-4 ft. below grade at time of the road reclamation.	8/22/2024