

Incident ID	NAPP2127147753
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Larry Baker Title: Environmental Tech SR.
 Signature: *Larry Baker* Date: 4/18/2022
 email: larry.baker@apachecorp.com Telephone: 432-215-2284

OCD Only

Received by: Robert Hamlet Date: 5/16/2022

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

Closure Approved by: *Robert Hamlet* Date: 5/16/2022
 Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced



CLOSURE REQUEST AND REMEDIATION SUMMARY REPORT

**Apache Corporation
NEDU CTB
Lea County, New Mexico
Unit Letter "P", Section 10, Township 21 South, Range 37 East
Latitude 32.487188° North, Longitude 103.143346° West
NMOCD Incident: nAPP2127147753**

Prepared For:

**Apache Corporation
303 Veterans Airpark Lane
Midland, TX 79705**

Prepared By:

**Etech Environmental & Safety Solutions, Inc.
P.O. Box 62228
Midland, Texas 79711**

April 14, 2022



Wesley A. Desilets
Project Manager



Sean Carter
Senior Project Manager

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INTRODUCTION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Apache Corporation (Apache), has prepared this Closure Request and Remediation Summary Report for the Release Site known as NEDU CTB. The legal description of the Release Site is Unit Letter "P", Section 10, Township 21 South, Range 37 East, in Lea County, New Mexico. The subject property is owned by The New Mexico State Land Office (NMSLO). The Release Site GPS coordinates are 32.487188° North and 103.143346° West. Please reference Figure 1 for the Site Location Map, Figure 2 for the Delineation Soil Sample Location Map, Figure 3 for the Confirmation Soil Sample Location Map (Bottom Holes), and Figure 4 for the Confirmation Soil Sample Location Map (Side Walls).

On September 25, 2021, a produced water release occurred at the NEDU CTB. The release was the result of an eight (8) inch steel line failure caused by internal corrosion. The release was reported as approximately one hundred sixty-three (163) barrels of produced water released with approximately one hundred twenty (120) barrels of produced water recovered, resulting in a net loss of approximately forty-three (43) barrels. On September 28, 2021, Apache filed a *Release Notification and Corrective Action Form* (Form C-141) with the New Mexico Oil Conservation Division (NMOCD) and NMSLO documenting the release. The Form C-141 is provided as Appendix C. Photographic documentation for the site are provided as Appendix A.

NMOCD SITE CLASSIFICATION

Based on previous soil boring activities conducted by Apache on February 28, 2019, groundwater should be encountered at approximately twenty-eight and a half (28.5) feet below ground surface (bgs). Based on the NMOCD site classification system, zero (0) points will be assigned to the subject area ranking as a result of this criterion. No water wells were observed within one thousand (1,000) feet of the Release Site. Based on the NMOCD site classification system, zero (0) points will be assigned to the subject area ranking as a result of this criterion. No surface water was observed within one thousand (1,000) feet of the release. Based on the NMOCD site classification system, zero (0) points will be assigned to the NEDU CTB Release Site as a result of this criterion. Based on this score, the soil remediation levels for a site with a ranking score of zero (0) points are as follows:

- Benzene – 10 mg/Kg (ppm)
- BTEX – 50 mg/Kg (ppm)
- TPH – 100 mg/Kg (ppm)
- Chloride – 600 mg/Kg (ppm)

SUMMARY OF SOIL REMEDIATION ACTIVITIES

On December 3, 2021, delineation activities were conducted utilizing a backhoe to collect eight (8) vertical delineation soil samples (SP 1 @ Surface, SP 1 @ 1', SP 2 @ Surface, SP 2 @ 1', SP 3 @ Surface, SP 3 @ 1', SP 4 @ Surface, SP 4 @ 1') from within the release area. In addition, three (3) five-point composite soil samples (H1, H2, and H3) were collected from outside the release area to establish horizontal delineation. The soil samples were submitted to Cardinal Laboratories in Hobbs, New Mexico for determination of concentrations of benzene, toluene, ethylbenzene, and xylene (BTEX) using EPA Method SW 846-8021B, and Total Petroleum

Hydrocarbons (TPH) using EPA Method SW 846-8015M, and Chlorides using Method SM 4500CI-B. The analytical results for the delineation activities are provided as Table 1 – Concentrations of Benzene, BTEX, TPH, and Chloride in Soil (Delineation). Please reference Figure 2 for delineation soil sampling locations.

On March 30, 2022, Etech commenced excavation activities at the Release Site utilizing a hydro-vac, backhoe and manual methods. Excavation activities were conducted in a manner that protected the integrity of the production equipment. Etech hand spotted around all surface equipment and/or hydro-excavated all impacted material within two (2) feet of any production equipment. Based on the delineation data, the impacted area was excavated to depths ranging from six (6) inches to one and a half (1.5) feet bgs. Excavated soil was stockpiled on a layer of poly sheeting adjacent to the excavation pending disposal.

On April 7, 2022, Etech, on behalf of Apache, collected thirteen (13) five-point composite confirmation soil samples from the base of the excavated area and two (2) five-point composite confirmation soil samples from the side walls of the excavation approximately every two hundred (200) square feet. Soil samples were submitted to Cardinal Laboratories in Hobbs, New Mexico and analyzed for BTEX, TPH, and chloride analysis. A review of laboratory analytical results indicated all collected soil samples were below applicable NMOCD regulatory limits. Please reference Figure 3 and Figure 4 for confirmation soil sampling locations.

Table 2 summarizes the Concentrations of Benzene, BTEX, TPH, and Chlorides in Soil (Confirmation). Analytical reports are provided as Appendix B.

SOIL DISPOSAL AND BACKFILL ACTIVITIES

On April 12, 2022, Etech transported approximately one hundred twenty (120) cubic yards of impacted soil to the Sundance disposal facility in Lea County, NM. The excavated area was backfilled with non-impacted caliche from a local source and the site was contoured to fit the surrounding area.

SITE CLOSURE REQUEST

Based on the analytical results, Etech, on the behalf of Apache, requests NMOCD and NMSLO grant Site Closure Status to the NEDU CTB Release Site NMOCD Incident: nAPP2127147753.

LIMITATIONS

Etech has prepared this Closure Request and Remediation Summary Report to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and has relied on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. We have presumed the genuineness of the documents and that the information provided in documents or statements is true and accurate. Etech has prepared this report, in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech also notes that the facts and conditions referenced in this report may change over time and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Apache Corporation. The information contained in this report, including all exhibits and attachments, may not be used by any other party without the express consent of Etech and/or Apache Corporation.

DISTRIBUTION

Copy 1: New Mexico Energy, Minerals and Natural Resources Department
Oil Conservation Division, District 1
1624 N. French Drive
Hobbs, New Mexico 88210

Copy 2: Ryan Mann
New Mexico State Land Office
Remediation Specialist
2827 N. Dal Paso Suite 117
Hobbs, NM 88240

Copy 3: Larry Baker
Apache Corporation
303 Veterans Airpark Lane
Midland, TX 79705

Copy 4: Etech Environmental & Safety Solutions, Inc.
P.O. Box 62228
Midland, TX 79711

FIGURES

Figure 1 – Site Location Map

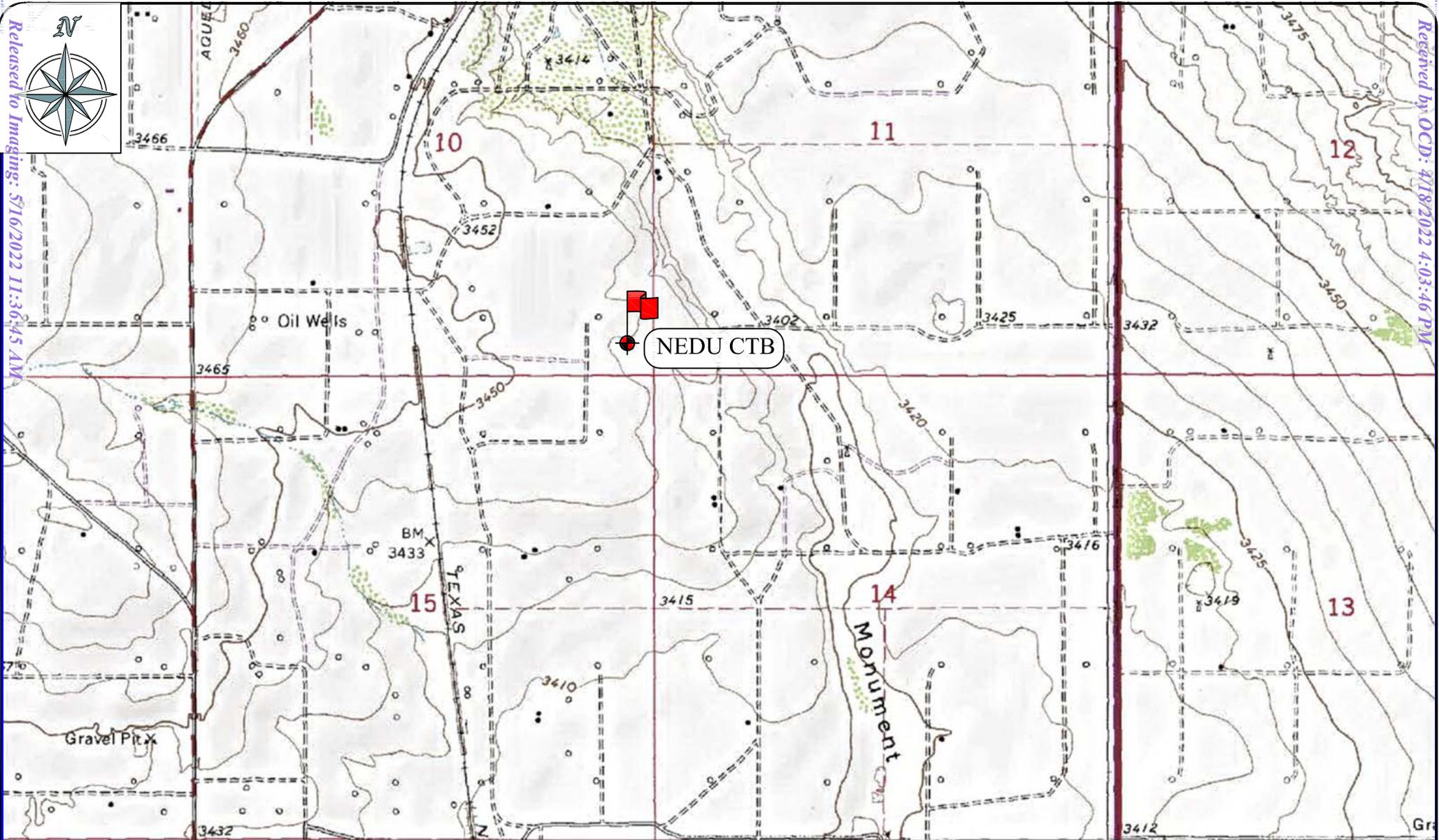
Figure 2 – Delineation Soil Sample Location Map

Figure 3 – Confirmation Soil Sample Location Map (Bottom Holes)

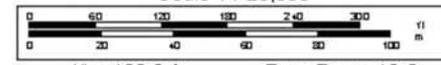
Figure 4 – Confirmation Soil Sample Location Map (Side Walls)

**Closure Request and Remediation Summary Report
NEDU CTB**





Scale 1 : 20,800



1" = 196.8 ft Data Zoom 13-3

Site - NEDU CTB
Site Location Map
Apache Corporation
Lea County, NM
N 32.487188°, W 103.143346°
April 2022

Legend

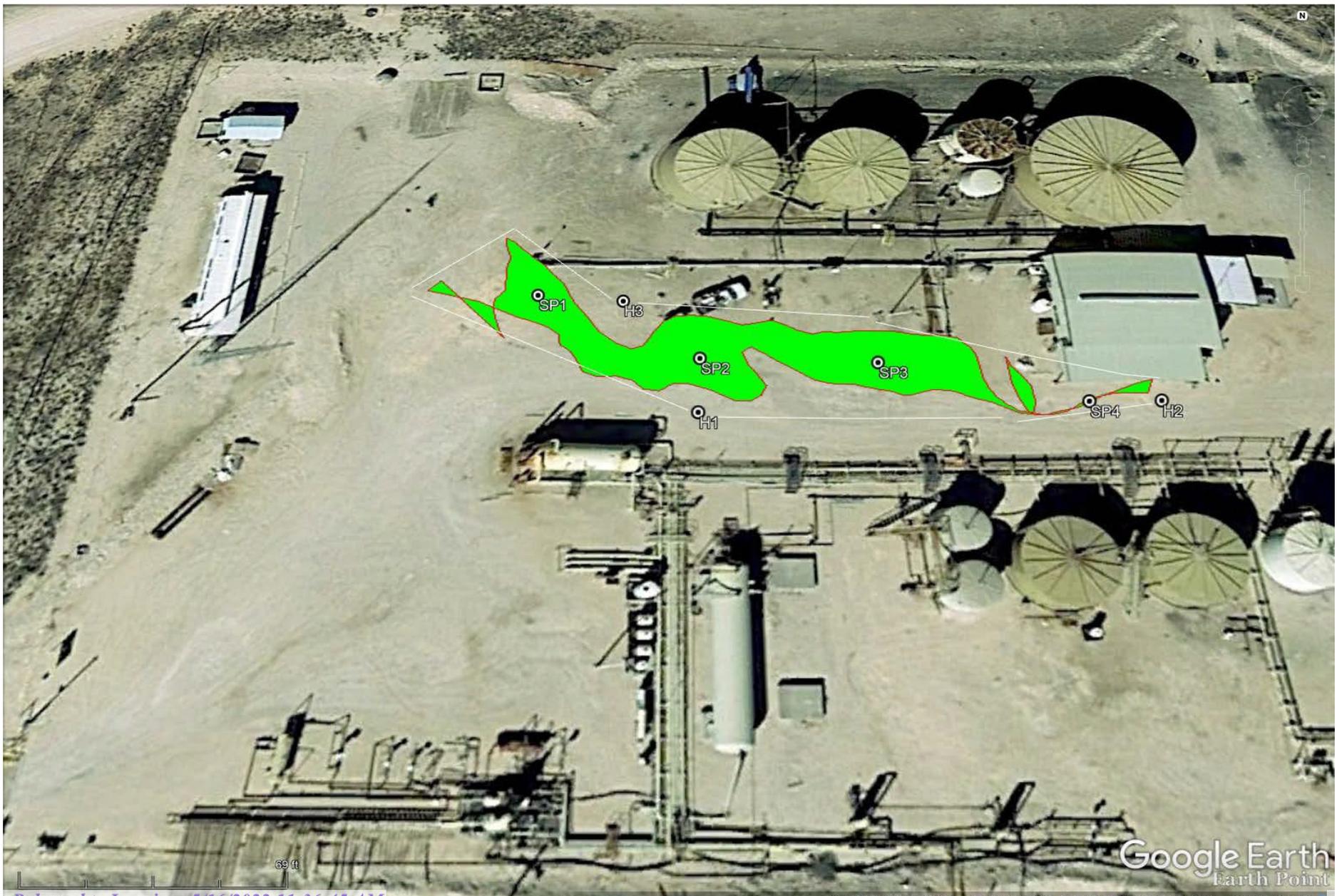


◆ = Site Location



NMOCD ID No.:
nAPP2127147753

Figure 1



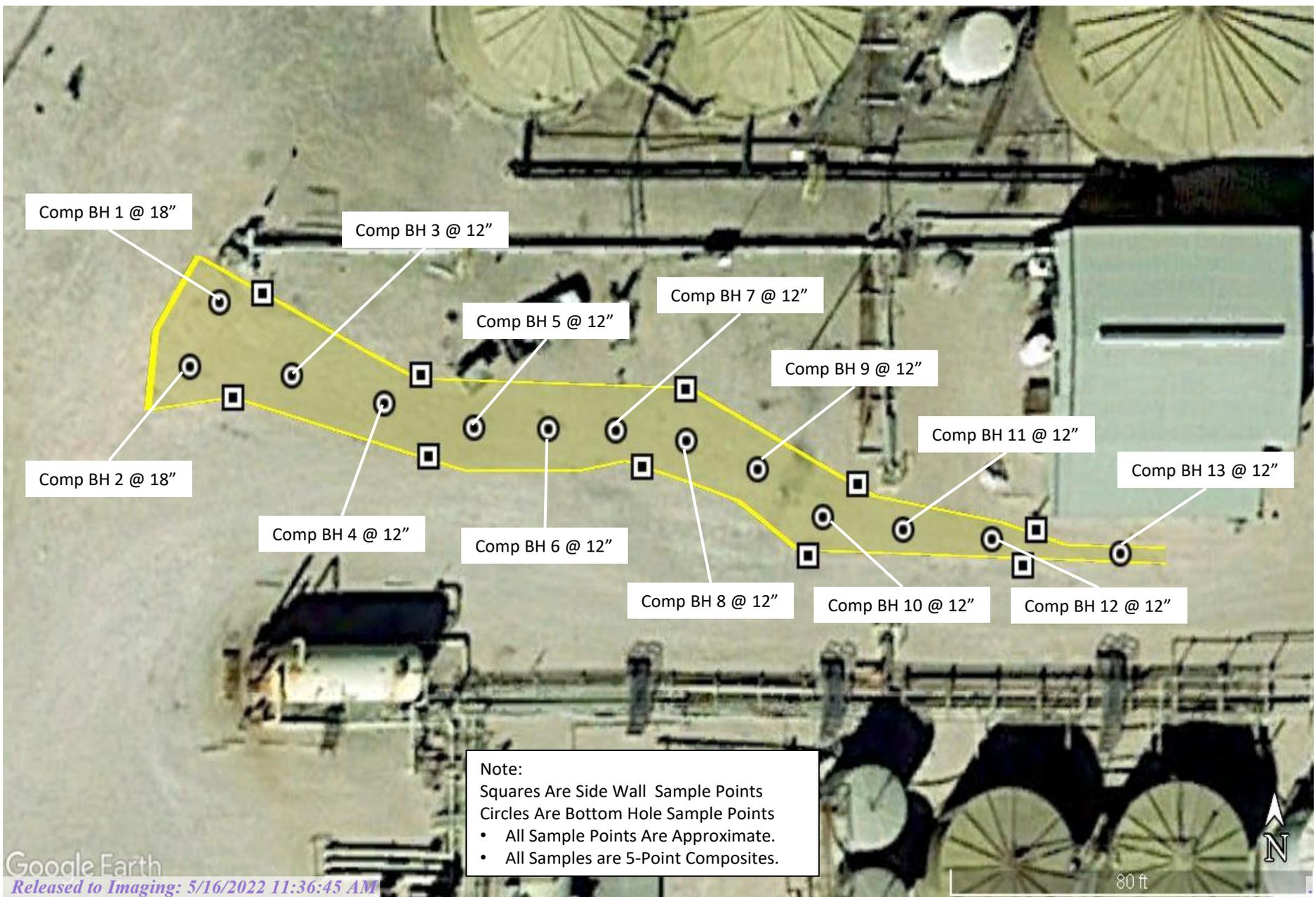
69 ft

Google Earth Earth Point

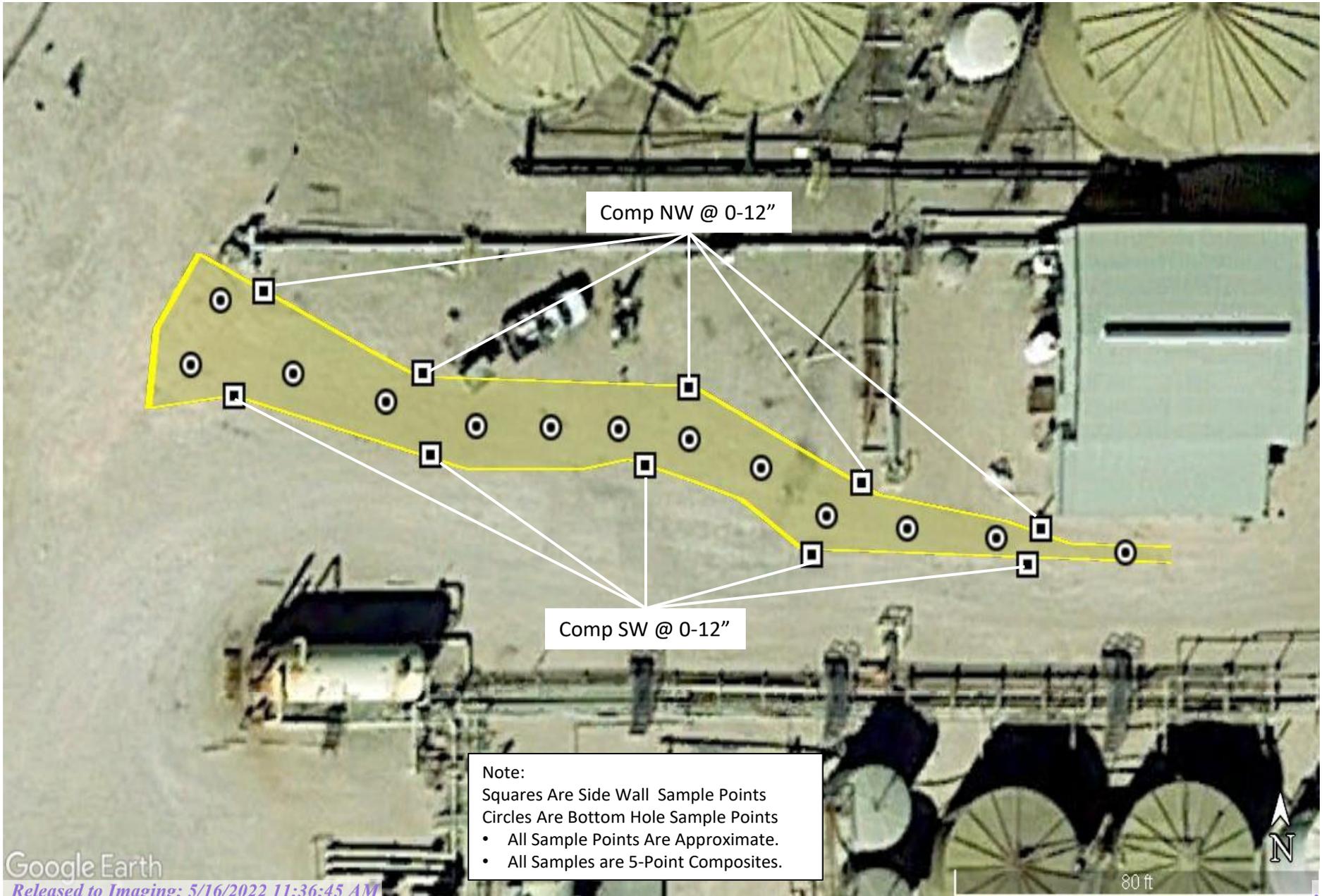
Figure 3
Confirmation
(Bottom Holes)

Project Name:	NEDU CTB
Date Sampled:	April 7, 2022

Project No.:	15817	Page 10 of 63
GPS:	32.487188, -103.143346	



Note:
 Squares Are Side Wall Sample Points
 Circles Are Bottom Hole Sample Points
 • All Sample Points Are Approximate.
 • All Samples are 5-Point Composites.



Note:
Squares Are Side Wall Sample Points
Circles Are Bottom Hole Sample Points
• All Sample Points Are Approximate.
• All Samples are 5-Point Composites.



TABLES

Table 1 – Concentrations of Benzene, BTEX, TPH, and Chlorides in Soil (Delineation)

Table 2 – Concentrations of Benzene, BTEX, TPH, and Chlorides in Soil (Confirmation)

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Table 4 – Confirmation Soil Sample GPS Points

**Closure Request and Remediation Summary Report
NEDU CTB**



TABLE 1

**CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL
 DELINEATION SAMPLE RESULTS
 APACHE CORPORATION
 NEDU CTB RELEASE SITE
 NMOCD INCIDENT: nAPP2127147753
 LEA COUNTY, NEW MEXICO**

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHOD: SW 846-8021B				METHOD: SW 8015M					METHOD: SM 4500CI-B
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C ₆ -C ₁₀	TPH DRO C ₁₀ -C ₂₈	TPH ORO C ₂₈ -C ₃₆	TOTAL TPH C ₆ -C ₃₅	CHLORIDE
Limits		10 mg/Kg				50 mg/Kg				100 mg/Kg	600 mg/Kg
Vertical Delineation Sample Results											
SP 1 @ SURFACE	12/3/2021	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5,520
SP 1 @ 1'	12/3/2021	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	464
SP 2 @ SURFACE	12/3/2021	<0.050	0.058	0.117	1.140	1.315	<10.0	463	118	581	752
SP 2 @ 1'	12/3/2021	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	384
SP 3 @ SURFACE	12/3/2021	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	63.8	16.6	80.4	496
SP 3 @ 1'	12/3/2021	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
SP 4 @ SURFACE	12/3/2021	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1,740
SP 4 @ 1'	12/3/2021	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
Horizontal Delineation Sample Results											
H1	12/3/2021	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
H2	12/3/2021	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	560
H3	12/3/2021	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	336

Bold and Yellow Highlighted indicates Analyte Above NMOCD Regulatory Limit

TABLE 2

**CONCENTRATIONS OF BENZENE, BTEX, TPH AND CHLORIDE IN SOIL
CONFIRMATION SAMPLE RESULTS
APACHE CORPORATION
NEDU CTB RELEASE SITE
NMOCD INCIDENT: nAPP2127147753
LEA COUNTY, NEW MEXICO**

All concentrations are reported in mg/Kg

SAMPLE LOCATION	SAMPLE DATE	METHODS: SW 846-8021B				METHOD: SW 8015M					METHOD: SM 4500CI-B
		BENZENE	TOLUENE	ETHYL-BENZENE	TOTAL XYLENES	TOTAL BTEX	TPH GRO C ₆ -C ₁₀	TPH DRO C ₁₀ -C ₂₈	TPH ORO C ₂₈ -C ₃₆	TOTAL TPH C ₆ -C ₃₆	CHLORIDE
Limits		10 mg/Kg				50 mg/Kg				100 mg/Kg	600 mg/Kg
Bottom Hole Sample Results											
COMP BH 1 @ 18"	4/7/2022	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64.0
COMP BH 2 @ 18"	4/7/2022	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
COMP BH 3 @ 12"	4/7/2022	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	272
COMP BH 4 @ 12"	4/7/2022	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
COMP BH 5 @ 12"	4/7/2022	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
COMP BH 6 @ 12"	4/7/2022	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	192
COMP BH 7 @ 12"	4/7/2022	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.2	<10.0	17.2	384
COMP BH 8 @ 12"	4/7/2022	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	25.1	<10.0	25.1	512
COMP BH 9 @ 12"	4/7/2022	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
COMP BH 10 @ 12"	4/7/2022	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27.3	<10.0	27.3	544
COMP BH 11 @ 12"	4/7/2022	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	544
COMP BH 12 @ 12"	4/7/2022	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
COMP BH 13 @ 6"	4/7/2022	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	416
Side Wall Sample Results											
COMP NW @ 0-12"	4/7/2022	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
COMP SW @ 0-12"	4/7/2022	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	400

Bold and Yellow Highlighted indicates Analyte Above NMOCD Regulatory Limit

TABLE 3

Delineation Soil Sample GPS Points

APACHE CORPORATION

NEDU CTB RELEASE SITE

NMOCD INCIDENT: nAPP2127147753

LEA COUNTY, NEW MEXICO

Sample Name	Latitude	Longitude
Vertical Delineation Sample Points		
SP 1 @ SURFACE/1'	32.487451°	-103.143789°
SP 2 @ SURFACE/1'	32.487375°	-103.143613°
SP 3 @ SURFACE/1'	32.487374°	-103.143421°
SP 4 @ SURFACE/1'	32.487321°	-103.143206°
Horizontal Delineation Sample Points		
H1	32.487316°	-103.143616°
H2	32.487323°	-103.143129°
H3	32.487442°	-103.143699°

TABLE 4**Confirmation Soil Sample GPS Points****APACHE CORPORATION****NEDU CTB RELEASE SITE****NMOCD INCIDENT: nAPP2127147753****LEA COUNTY, NEW MEXICO**

Sample Name	Latitude	Longitude
Bottom Hole Sample Points		
Comp BH 1 @ 18"	32.487460°	-103.143820°
Comp BH 2 @ 18"	32.487427°	-103.143842°
Comp BH 3 @ 12"	32.487422°	-103.143768°
Comp BH 4 @ 12"	32.487408°	-103.143702°
Comp BH 5 @ 12"	32.487395°	-103.143638°
Comp BH 6 @ 12"	32.487393°	-103.143584°
Comp BH 7 @ 12"	32.487394°	-103.143536°
Comp BH 8 @ 12"	32.487389°	-103.143485°
Comp BH 9 @ 12"	32.487374°	-103.143433°
Comp BH 10 @ 12"	32.487349°	-103.143386°
Comp BH 11 @ 12"	32.487343°	-103.143329°
Comp BH 12 @ 12"	32.487338°	-103.143266°
Comp BH 13 @ 6"	32.487331°	-103.143176°
Side Wall Sample Points		
COMP NW @ 0-12"	32.487465°	-103.143789°
	32.487423°	-103.143676°
	32.487415°	-103.143485°
	32.487366°	-103.143361°
	32.487343°	-103.143235°
COMP SW @ 0-12"	32.487411°	-103.143811°
	32.487381°	-103.143670°
	32.487375°	-103.143517°
	32.487329°	-103.143397°
	32.487324°	-103.143244°

APPENDIX A

Photographic Documentation

**Closure Request and Remediation Summary Report
NEDU CTB**



Site Name: NEDU CTB
NMOCD Incident ID: nAPP2127147753

Photographic Documentation

<p>Photo No: 1.</p>	 <p>Mar 24, 2022 at 8:25:01 AM +32.487336,-103.143386 ±5.00m 269° W</p>
<p>Direction Taken: Northwest</p>	
<p>Description: View of the site prior to excavation activities.</p>	

<p>Photo No: 2.</p>	 <p>Mar 24, 2022 at 8:24:42 AM +32.487319,-103.143251 ±5.00m 257° W</p>
<p>Direction Taken: West</p>	
<p>Description: View of the site prior to excavation activities.</p>	

Site Name: NEDU CTB
NMOCD Incident ID: nAPP2127147753

Photographic Documentation

<p>Photo No: 3.</p>	 <p>Mar 24, 2022 at 8:24:24 AM +32.487290, -103.143030 ±30.00m 341° N</p>
<p>Direction Taken: Southeast</p>	
<p>Description: View of the site prior to excavation activities.</p>	

<p>Photo No: 4.</p>	 <p>2022/04/06 04:53</p>
<p>Direction Taken: South</p>	
<p>Description: View of the excavated area.</p>	

Site Name: NEDU CTB
NMOCD Incident ID: nAPP2127147753

Photographic Documentation



Site Name: NEDU CTB
NMOCD Incident ID: nAPP2127147753

Photographic Documentation



Site Name: NEDU CTB
NMOCD Incident ID: nAPP2127147753

Photographic Documentation

<p>Photo No: 9.</p>	
<p>Direction Taken: West</p>	
<p>Description: View of the backfilled area.</p>	

APPENDIX B

Laboratory Analytical Reports

**Closure Request and Remediation Summary Report
NEDU CTB**





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

December 08, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU CTB

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, flowing "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:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP 1 @ SURFACE (H213496-01)

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

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5520	16.0	12/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	192	95.9	200	7.90	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	206	103	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane 60.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 64.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP 1 @ 1' (H213496-02)

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

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	12/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	192	95.9	200	7.90	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	206	103	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane 61.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP 2 @ SURFACE (H213496-03)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	2.00	100	2.00	10.3	
Toluene*	0.058	0.050	12/08/2021	ND	1.98	99.0	2.00	8.00	
Ethylbenzene*	0.117	0.050	12/08/2021	ND	1.96	98.1	2.00	8.64	
Total Xylenes*	1.14	0.150	12/08/2021	ND	5.96	99.4	6.00	9.16	
Total BTEX	1.31	0.300	12/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	12/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	192	95.9	200	7.90	
DRO >C10-C28*	463	10.0	12/07/2021	ND	206	103	200	1.62	
EXT DRO >C28-C36	118	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane 65.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 102 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP 2 @ 1' (H213496-04)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/07/2021	ND	1.83	91.4	2.00	7.22	
Toluene*	<0.050	0.050	12/07/2021	ND	1.75	87.7	2.00	6.55	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.72	86.0	2.00	6.52	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	5.29	88.2	6.00	6.23	
Total BTEX	<0.300	0.300	12/07/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	12/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	192	95.9	200	7.90	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	206	103	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane 67.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP 3 @ SURFACE (H213496-05)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/07/2021	ND	1.83	91.4	2.00	7.22		
Toluene*	<0.050	0.050	12/07/2021	ND	1.75	87.7	2.00	6.55		
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.72	86.0	2.00	6.52		
Total Xylenes*	<0.150	0.150	12/07/2021	ND	5.29	88.2	6.00	6.23		
Total BTEX	<0.300	0.300	12/07/2021	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	12/08/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	192	95.9	200	7.90		
DRO >C10-C28*	63.8	10.0	12/07/2021	ND	206	103	200	1.62		
EXT DRO >C28-C36	16.6	10.0	12/07/2021	ND						

Surrogate: 1-Chlorooctane 66.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP 3 @ 1' (H213496-06)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/07/2021	ND	1.83	91.4	2.00	7.22	
Toluene*	<0.050	0.050	12/07/2021	ND	1.75	87.7	2.00	6.55	
Ethylbenzene*	<0.050	0.050	12/07/2021	ND	1.72	86.0	2.00	6.52	
Total Xylenes*	<0.150	0.150	12/07/2021	ND	5.29	88.2	6.00	6.23	
Total BTEX	<0.300	0.300	12/07/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	12/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	192	95.9	200	7.90	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	206	103	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane 77.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP 4 @ SURFACE (H213496-07)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	1.83	91.4	2.00	7.22	
Toluene*	<0.050	0.050	12/08/2021	ND	1.75	87.7	2.00	6.55	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.72	86.0	2.00	6.52	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.29	88.2	6.00	6.23	
Total BTEX	<0.300	0.300	12/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1740	16.0	12/08/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	192	95.9	200	7.90	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	206	103	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane 66.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: SP 4 @ 1' (H213496-08)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	1.83	91.4	2.00	7.22	
Toluene*	<0.050	0.050	12/08/2021	ND	1.75	87.7	2.00	6.55	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.72	86.0	2.00	6.52	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.29	88.2	6.00	6.23	
Total BTEX	<0.300	0.300	12/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/08/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	192	95.9	200	7.90	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	206	103	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane 76.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: H 1 (H213496-09)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	1.83	91.4	2.00	7.22	
Toluene*	<0.050	0.050	12/08/2021	ND	1.75	87.7	2.00	6.55	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.72	86.0	2.00	6.52	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.29	88.2	6.00	6.23	
Total BTEX	<0.300	0.300	12/08/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	12/08/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	192	95.9	200	7.90	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	206	103	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 83.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: H 2 (H213496-10)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	1.83	91.4	2.00	7.22	
Toluene*	<0.050	0.050	12/08/2021	ND	1.75	87.7	2.00	6.55	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.72	86.0	2.00	6.52	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.29	88.2	6.00	6.23	
Total BTEX	<0.300	0.300	12/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	12/08/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	192	95.9	200	7.90	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	206	103	200	1.62	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane 67.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.0 % 38.9-142

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/03/2021	Sampling Date:	12/03/2021
Reported:	12/08/2021	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NONE GIVEN		

Sample ID: H 3 (H213496-11)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2021	ND	1.83	91.4	2.00	7.22	
Toluene*	<0.050	0.050	12/08/2021	ND	1.75	87.7	2.00	6.55	
Ethylbenzene*	<0.050	0.050	12/08/2021	ND	1.72	86.0	2.00	6.52	
Total Xylenes*	<0.150	0.150	12/08/2021	ND	5.29	88.2	6.00	6.23	
Total BTEX	<0.300	0.300	12/08/2021	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	12/08/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/07/2021	ND	188	94.0	200	14.9	
DRO >C10-C28*	<10.0	10.0	12/07/2021	ND	201	100	200	6.84	
EXT DRO >C28-C36	<10.0	10.0	12/07/2021	ND					

Surrogate: 1-Chlorooctane 64.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 61.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
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

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>Apexive</u> Project Manager: <u>Pruece B.</u>		P.O. #: Company: Attn: Address: City: State: <u>NM</u> Zip: <u>88240</u>	
Address: City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Project Owner: City: State: Zip:	
Project #: _____ Project Name: _____		Phone #: _____ Fax #: _____	
Project Location: <u>Wedge CTB</u>		Phone #: _____ Fax #: _____	
Sampler Name: <u>See Invescolat</u>		Matrix: GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	
FOR LAB USE ONLY		PRESERV: ACID/BASE: (C) / COOL OTHER:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	C/I	Ext TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER					
<u>H1234910</u>	<u>SP1 @ Surface</u>	<u>G</u>	<u>1</u>						<u>12-3</u>	<u>11:45</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>SP1 @ 1'</u>	<u>G</u>	<u>1</u>						<u>12-3</u>	<u>11:47</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>SP2 @ Surface</u>	<u>G</u>	<u>1</u>						<u>12-3</u>	<u>12:00</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>SP2 @ 1'</u>	<u>G</u>	<u>1</u>						<u>12-3</u>	<u>12:02</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>SP3 @ Surface</u>	<u>G</u>	<u>1</u>						<u>12-3</u>	<u>12:58</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>SP3 @ 1'</u>	<u>G</u>	<u>1</u>						<u>12-3</u>	<u>1:00</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>SP4 @ Surface</u>	<u>G</u>	<u>1</u>						<u>12-3</u>	<u>1:20</u>	<u>X</u>	<u>X</u>	<u>X</u>	
	<u>SP4 @ 1'</u>	<u>G</u>	<u>1</u>						<u>12-3</u>	<u>1:22</u>	<u>X</u>	<u>X</u>	<u>X</u>	

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Relinquished By: <u>[Signature]</u> Date: <u>12/13</u> Time: <u>10:15</u>	Received By: <u>[Signature]</u> Date: _____ Time: _____
Relinquished By: _____ Date: _____ Time: _____	Received By: _____ Date: _____ Time: _____

Delivered By: (Circle One) UPS Observed Temp. °C 5.0 Corrected Temp. °C 4.5

Sampler - UPS - Bus - Other: _____

Sample Condition: Cool Intact Yes No Checked By: [Signature] (Initials)

Turnaround Time: _____ Standard Rush Bacteria (only) Cool Intact Yes No Sample Condition Observed Temp. °C _____ Corrected Temp. °C _____

Thermometer ID #113 Correction Factor -0.5°C

Verbal Result: Yes No Add'l Phone #: _____
 All Results are emailed. Please provide Email address: _____

REMARKS: see Bruce

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u> Project Manager: <u>Race R.</u>		BILL TO P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Project Owner: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Address: _____ City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u> Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: _____ Project Location: <u>Neble CTS</u> Sampler Name: <u>See Worksheet</u>		ANALYSIS REQUEST	
FOR LAB USE ONLY			
Lab I.D. <u>H213496</u> Sample I.D.	9 HI 10 HI 11 HI	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE : ICE / COOL OTHER :	MATRIX PRESERV.
	1 1 1	1 1 1	1 1 1
	12-3 12-3 12-3	11:20 11:28 11:30	X X X
	X X X	C EXT TPH BTEX	X X X

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Relinquished By: [Signature] Date: 12-3 Received By: [Signature] Verbal Result: Yes No Add'l Phone #: _____
 Relinquished By: [Signature] Date: 10:15 Received By: [Signature] All Results are emailed. Please provide Email address: _____
 REMARKS: See 1st page

Delivered By: (Circle One) 50 Observed Temp. °C 50 Sample Condition Intact Bacteria (only) Yes No
 Sampler - UPS - Bus - Other: 4.5 Corrected Temp. °C 4.5 Yes No Cool Intact Yes No
 Turnaround Time: _____ Standard Rush Bacteria (only) Yes No
 Thermometer ID #113 _____ Cool Intact Yes No
 Correction Factor -0.5°C _____ Sample Condition Observed Temp. °C _____
 Corrected Temp. °C _____

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



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

April 11, 2022

SEAN CARTER

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: NEDU CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/07/22 16:41.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ETECH Environmental & Safety Solutions, Inc.
 SEAN CARTER
 P. O. BOX 8469
 MIDLAND TX, 79708
 Fax To: (432) 563-2213

Received:	04/07/2022	Sampling Date:	04/07/2022
Reported:	04/11/2022	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	15817	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LEA CO NM		

Sample ID: COMP BH 1 @ 18" (H221428-01)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.637	
Toluene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.486	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.00	99.8	2.00	0.896	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.16	103	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	04/08/2022	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	04/08/2022	ND	191	95.6	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/08/2022	ND	200	100	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	04/08/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ETECH Environmental & Safety Solutions, Inc.
 SEAN CARTER
 P. O. BOX 8469
 MIDLAND TX, 79708
 Fax To: (432) 563-2213

Received:	04/07/2022	Sampling Date:	04/07/2022
Reported:	04/11/2022	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	15817	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LEA CO NM		

Sample ID: COMP BH 2 @ 18" (H221428-02)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.637	
Toluene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.486	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.00	99.8	2.00	0.896	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.16	103	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/08/2022	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	04/08/2022	ND	191	95.6	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/08/2022	ND	200	100	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	04/08/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Analytical Results For:

ETECH Environmental & Safety Solutions, Inc.
 SEAN CARTER
 P. O. BOX 8469
 MIDLAND TX, 79708
 Fax To: (432) 563-2213

Received:	04/07/2022	Sampling Date:	04/07/2022
Reported:	04/11/2022	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	15817	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LEA CO NM		

Sample ID: COMP BH 3 @ 12" (H221428-03)

BTEX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.637		
Toluene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.486		
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.00	99.8	2.00	0.896		
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.16	103	6.00	1.48		
Total BTEX	<0.300	0.300	04/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	04/08/2022	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	04/08/2022	ND	191	95.6	200	1.32		
DRO >C10-C28*	<10.0	10.0	04/08/2022	ND	200	100	200	2.30		
EXT DRO >C28-C36	<10.0	10.0	04/08/2022	ND						

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

ETECH Environmental & Safety Solutions, Inc.
 SEAN CARTER
 P. O. BOX 8469
 MIDLAND TX, 79708
 Fax To: (432) 563-2213

Received:	04/07/2022	Sampling Date:	04/07/2022
Reported:	04/11/2022	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	15817	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LEA CO NM		

Sample ID: COMP BH 4 @ 12" (H221428-04)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.637	
Toluene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.486	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.00	99.8	2.00	0.896	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.16	103	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/08/2022	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	04/08/2022	ND	191	95.6	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/08/2022	ND	200	100	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	04/08/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.3 % 59.5-142

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Analytical Results For:

ETECH Environmental & Safety Solutions, Inc.
 SEAN CARTER
 P. O. BOX 8469
 MIDLAND TX, 79708
 Fax To: (432) 563-2213

Received:	04/07/2022	Sampling Date:	04/07/2022
Reported:	04/11/2022	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	15817	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LEA CO NM		

Sample ID: COMP BH 5 @ 12" (H221428-05)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.637	
Toluene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.486	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.00	99.8	2.00	0.896	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.16	103	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	04/08/2022	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	04/09/2022	ND	191	95.6	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/09/2022	ND	200	100	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	04/09/2022	ND					

Surrogate: 1-Chlorooctane 97.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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 MIDLAND TX, 79708
 Fax To: (432) 563-2213

Received:	04/07/2022	Sampling Date:	04/07/2022
Reported:	04/11/2022	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	15817	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LEA CO NM		

Sample ID: COMP BH 6 @ 12" (H221428-06)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.637	
Toluene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.486	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.00	99.8	2.00	0.896	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.16	103	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/08/2022	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	04/09/2022	ND	191	95.6	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/09/2022	ND	200	100	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	04/09/2022	ND					

Surrogate: 1-Chlorooctane 97.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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 Fax To: (432) 563-2213

Received:	04/07/2022	Sampling Date:	04/07/2022
Reported:	04/11/2022	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	15817	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LEA CO NM		

Sample ID: COMP BH 7 @ 12" (H221428-07)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.637	
Toluene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.486	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.00	99.8	2.00	0.896	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.16	103	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	04/08/2022	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	04/09/2022	ND	191	95.6	200	1.32	
DRO >C10-C28*	17.2	10.0	04/09/2022	ND	200	100	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	04/09/2022	ND					

Surrogate: 1-Chlorooctane 89.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.3 % 59.5-142

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 MIDLAND TX, 79708
 Fax To: (432) 563-2213

Received:	04/07/2022	Sampling Date:	04/07/2022
Reported:	04/11/2022	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	15817	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LEA CO NM		

Sample ID: COMP BH 8 @ 12" (H221428-08)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.637	
Toluene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.486	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.00	99.8	2.00	0.896	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.16	103	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	04/08/2022	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	04/09/2022	ND	191	95.6	200	1.32	
DRO >C10-C28*	25.1	10.0	04/09/2022	ND	200	100	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	04/09/2022	ND					

Surrogate: 1-Chlorooctane 70.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.1 % 59.5-142

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 MIDLAND TX, 79708
 Fax To: (432) 563-2213

Received:	04/07/2022	Sampling Date:	04/07/2022
Reported:	04/11/2022	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	15817	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LEA CO NM		

Sample ID: COMP BH 9 @ 12" (H221428-09)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.637	
Toluene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.486	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.00	99.8	2.00	0.896	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.16	103	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/08/2022	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	04/09/2022	ND	191	95.6	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/09/2022	ND	200	100	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	04/09/2022	ND					

Surrogate: 1-Chlorooctane 93.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.4 % 59.5-142

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 MIDLAND TX, 79708
 Fax To: (432) 563-2213

Received:	04/07/2022	Sampling Date:	04/07/2022
Reported:	04/11/2022	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	15817	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LEA CO NM		

Sample ID: COMP BH 10 @ 12" (H221428-10)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.637	
Toluene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.486	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.00	99.8	2.00	0.896	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.16	103	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	04/08/2022	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	04/09/2022	ND	191	95.6	200	1.32	
DRO >C10-C28*	27.3	10.0	04/09/2022	ND	200	100	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	04/09/2022	ND					

Surrogate: 1-Chlorooctane 86.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.8 % 59.5-142

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 MIDLAND TX, 79708
 Fax To: (432) 563-2213

Received:	04/07/2022	Sampling Date:	04/07/2022
Reported:	04/11/2022	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	15817	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LEA CO NM		

Sample ID: COMP BH 11 @ 12" (H221428-11)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.637	
Toluene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.486	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.00	99.8	2.00	0.896	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.16	103	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	04/08/2022	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	04/09/2022	ND	191	95.6	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/09/2022	ND	200	100	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	04/09/2022	ND					

Surrogate: 1-Chlorooctane 93.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.2 % 59.5-142

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 Fax To: (432) 563-2213

Received:	04/07/2022	Sampling Date:	04/07/2022
Reported:	04/11/2022	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	15817	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LEA CO NM		

Sample ID: COMP BH 12 @ 12" (H221428-12)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.637	
Toluene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.486	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.00	99.8	2.00	0.896	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.16	103	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/08/2022	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	04/09/2022	ND	191	95.6	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/09/2022	ND	200	100	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	04/09/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ETECH Environmental & Safety Solutions, Inc.
 SEAN CARTER
 P. O. BOX 8469
 MIDLAND TX, 79708
 Fax To: (432) 563-2213

Received:	04/07/2022	Sampling Date:	04/07/2022
Reported:	04/11/2022	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	15817	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LEA CO NM		

Sample ID: COMP BH 13 @ 6" (H221428-13)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.637	
Toluene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.486	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.00	99.8	2.00	0.896	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.16	103	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	04/08/2022	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	04/09/2022	ND	191	95.6	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/09/2022	ND	200	100	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	04/09/2022	ND					

Surrogate: 1-Chlorooctane 70.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 72.5 % 59.5-142

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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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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: <i>Etch Environmental + Safety Solutions, Inc.</i>		BILL TO	
Project Manager: <i>Sean Carter</i>	P.O. #:	ANALYSIS REQUEST	
Address: <i>13000 W. CR 100</i>	Company: <i>APACHE</i>		
City: <i>Odessa</i>	Attn:		
State: <i>TX</i> Zip: <i>79765</i>	Address:		
Phone #: <i>432 563 2200</i> Fax #:	City:		
Project #: <i>15817</i> Project Owner: <i>APACHE</i>	State:		
Project Name: <i>Nedu CTB</i>	Phone #:		
Project Location: <i>Lea County, NM</i>	Fax #:		
Sampler Name: <i>Wesley Deslets</i>			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.			DATE	TIME
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :		
<i>1321428</i>	<i>Comp BH1 @ 18"</i>	<i>C 1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>4/7/22</i>	<i>1200</i>	<i>BTEX 8021B</i>
<i>2</i>	<i>Comp BH2 @ 18"</i>	<i>C 1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>1205</i>	<i>1210</i>	<i>TPH 8015M</i>
<i>3</i>	<i>Comp BH3 @ 12"</i>	<i>C 1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>1215</i>	<i>1220</i>	<i>Chloride E 300.0</i>
<i>4</i>	<i>Comp BH4 @ 12"</i>	<i>C 1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>1225</i>	<i>1230</i>	
<i>5</i>	<i>Comp BH5 @ 12"</i>	<i>C 1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>1220</i>	<i>1225</i>	
<i>6</i>	<i>Comp BH6 @ 12"</i>	<i>C 1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>1230</i>	<i>1235</i>	
<i>7</i>	<i>Comp BH7 @ 12"</i>	<i>C 1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>1240</i>	<i>1245</i>	
<i>8</i>	<i>Comp BH8 @ 12"</i>	<i>C 1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>			
<i>9</i>	<i>Comp BH9 @ 12"</i>	<i>C 1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>			
<i>10</i>	<i>Comp BH10 @ 12"</i>	<i>C 1</i>	<i>1</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>	<i>X</i>			

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Relinquished By: <i>[Signature]</i>	Date: <i>4/7/22</i>	Received By: <i>[Signature]</i>	Date: <i>4/7/22</i>
Time: <i>1640</i>	Time: <i>1641</i>	Time: <i>1641</i>	Time: <i>1641</i>
Observed Temp. °C: <i>0.12</i>	Corrected Temp. °C: <i>0.62</i>	Observed Temp. °C: <i>0.12</i>	Corrected Temp. °C: <i>0.62</i>

Turnaround Time: Standard Rush *48 HR*

Thermometer ID #113 Correction Factor -0.5°C

Bacteria (only) Sample Condition: Cool Intact Yes No

Checked By: *[Signature]*

Remarks: *B-11 to Apache Corporation*

Verbal Results: Yes No Add'l Phone #:

All Results are emailed. Please provide Email address: *Sean@etchenv.com / Wesley@etchenv.com*

Page 1 of 2



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: *Etech Environmental Safety Solutions, Inc.*
 Project Manager: *Sean Carter*
 Address: *13000 W. CR 100*
 City: *Odessa* State: *TX* Zip: *79765*
 Phone #: *432 563 2200* Fax #:
 Project #: *15817* Project Owner: *APACHE*
 Project Name: *Neda CTB*
 Project Location: *Lea County, NM*
 Sampler Name: *Wesley Desjlets*

P.O. #:
 Company: *APACHE*
 Attn:
 Address:
 City:
 State:
 Zip:
 Phone #:
 Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX 8021B	TPH 8015M	Chloride E300.0
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
<i>H221488</i>														
<i>11</i>	<i>Comp BH11 @ 12"</i>	<i>C 1</i>		<i>X</i>						<i>4/7/22</i>	<i>1250</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>12</i>	<i>Comp BH12 @ 12"</i>	<i>C 1</i>		<i>X</i>							<i>1255</i>	<i>X</i>	<i>X</i>	<i>X</i>
<i>13</i>	<i>Comp BH13 @ 6"</i>	<i>C 1</i>		<i>X</i>							<i>1300</i>	<i>X</i>	<i>X</i>	<i>X</i>

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Relinquished By: *[Signature]*
 Date: *4/7/22*
 Time: *1640*

Received By: *[Signature]*
 Date: *4-7-22*
 Time: *1041*

Verbal Result: Yes No Add'l Phone #:
 All Results are emailed. Please provide Email address:
 REMARKS: *Sean@etchanv.com / Wesley@etchanv.com*
B-11 to Apache Corporation

Delivered By: (Circle One) Observed Temp. °C: *0.1°C*
 Corrected Temp. °C: *-0.0°C*
 Sampler - UPS - Bus - Other: Yes No
 Sample Condition: Intact Cool Yes No
 CHECKED BY: *[Signature]*
 Turnaround Time: *48 hr*
 Thermometer ID #113 *Rush*
 Correction Factor -0.5°C
 Bacteria (only) Sample Condition: Yes No
 Cool Intact: Yes No
 Corrected Temp. °C: *0.1°C*

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

Page 2 of 2



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

April 11, 2022

SEAN CARTER

ETECH Environmental & Safety Solutions, Inc.

P. O. BOX 8469

MIDLAND, TX 79708

RE: NEDU CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/07/22 16:40.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

ETECH Environmental & Safety Solutions, Inc.
 SEAN CARTER
 P. O. BOX 8469
 MIDLAND TX, 79708
 Fax To: (432) 563-2213

Received:	04/07/2022	Sampling Date:	04/07/2022
Reported:	04/11/2022	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	15817	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LEA CO NM		

Sample ID: COMP NW @ 0-12" (H221429-01)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.637	
Toluene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.486	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.00	99.8	2.00	0.896	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.16	103	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	04/08/2022	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	04/09/2022	ND	191	95.6	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/09/2022	ND	200	100	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	04/09/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

ETECH Environmental & Safety Solutions, Inc.
 SEAN CARTER
 P. O. BOX 8469
 MIDLAND TX, 79708
 Fax To: (432) 563-2213

Received:	04/07/2022	Sampling Date:	04/07/2022
Reported:	04/11/2022	Sampling Type:	Soil
Project Name:	NEDU CTB	Sampling Condition:	Cool & Intact
Project Number:	15817	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LEA CO NM		

Sample ID: COMP SW @ 0-12" (H221429-02)

BTEX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.637	
Toluene*	<0.050	0.050	04/08/2022	ND	2.10	105	2.00	0.486	
Ethylbenzene*	<0.050	0.050	04/08/2022	ND	2.00	99.8	2.00	0.896	
Total Xylenes*	<0.150	0.150	04/08/2022	ND	6.16	103	6.00	1.48	
Total BTEX	<0.300	0.300	04/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	04/08/2022	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	04/09/2022	ND	191	95.6	200	1.32	
DRO >C10-C28*	<10.0	10.0	04/09/2022	ND	200	100	200	2.30	
EXT DRO >C28-C36	<10.0	10.0	04/09/2022	ND					

Surrogate: 1-Chlorooctane 98.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

Cardinal Laboratories

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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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Celey D. Keene, Lab Director/Quality Manager

APPENDIX C

Release Notification and Corrective Action Form (Form C-141)

Closure Request and Remediation Summary Report NEDU CTB



Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Larry Baker Title: Environmental Tech SR.
 Signature: *Larry Baker* Date: 4/18/2022
 email: larry.baker@apachecorp.com Telephone: 432-215-2284

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: _____

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 99548

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 99548
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2127147753 NEDU CTB, thank you. This closure is approved.	5/16/2022