



303 Veterans Airpark Lane Midland, TX 79705

### **Deferment Request**

August 9, 2022

Re: NEDU Satellite # 1

Case # NCE2002839139

On 12/3/2019 a release occurred due to a pump seal failure. The release (GPS: 32.505037, -103.135828) is located north of Eunice, New Mexico in unit letter K section 2 township 21S range 37E. A groundwater survey was conducted utilizing NMOSE and USGS wells of record and data from a soil bore that Apache Corporation conducted in the area from a previous case. The soil bore is ½ mile north of the NEDU Satellite 1 and was drilled on 7/31/2019 to a depth of 60 feet. The soil bore data indicates that groundwater is greater than 50 feet. A remediation plan was submitted and approved by OCD. Remediation began in accordance with the approved remediation plan. On 6/25/2020 a second release (event # NRM2019757991) occurred due to a power failure resulting in the tank to overflow which impacted the entire release area.

On 9/1/2020 a vertical (SP1) was conducted utilizing a backhoe with samples collected in one-foot intervals to a depth of 4 feet. All samples were field titrated for chlorides and representative samples were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Horizontal 5-point surface composite samples were collected and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Laboratory results for TPH were above table one standards at the surface of SP1 for releases 51-100 feet to groundwater. A remediation plan was submitted and approved by OCD on 11/23/2021.

The release area was hand excavated to a depth of one foot. All excavated material was hauled to an OCD approved facility. On 5/7/2021 final 5-point bottom composite samples were collected not to exceed 500 square feet and final 5-point wall composite samples were collected not to exceed 200 square feet. Laboratory results for the bottom were all above table one standards for TPH. After reviewing the data, it was determined that the only safe place to utilize mechanical equipment was at SP 1 which was delineated to a depth of 4 feet on 9/1/2020. The release area was not backfilled to allow for natural attenuation of TPH.

Apache Corporation has removed contamination to the extent reasonable possible. The remaining contamination is inside the secondary containment and does not pose a risk to groundwater. Apache Corporation request that the release be deferred until system abandonment.

The deferment request was denied on 8/5/2021 by OCD. Apache Corporation as tried to further delineate the facility regarding depth however cannot be achieved without mechanical equipment which would require a major facility deconstruction. Attached is a variance request and respectfully request deferment until facility deconstruction or system abandonment for event NCE200283913.

Enclosed: C-141, Maps, Sample Data, Laboratory Results, Field Notes, Photos, and Variance Request.

Submitted by.

*Larry Baker*

**Environmental Technician Sr. Staff**

*larry.baker@apachecorp.com*

**Cell# 432-215-2284**

Incident ID	
District RP	
Facility ID	
Application ID	

## Remediation Plan

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

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

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

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

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

Printed Name: Larry Baker Title: Environmental Tech SR.  
Signature: Larry Baker Date: 8/9/2022  
email: larry.baker@apachecorp.com Telephone: 432-631-6982

**OCD Only**

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

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

Signature: Jennifer Nobui Date: 08/23/2022





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Google Earth

50 ft



## Delineation Samples

Sample Date	Sample ID	Depth	Chloride Field	Chloride Lab	Benzene	Toulene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO	GPS Coordinates
9/1/2020	SP 1	S	1,544	2200	0.404	15.5	33.6	86.3	136	2820	23400	4090	32.505037, -103.135652
9/1/2020		1'	298										
9/1/2020		2'	452	64.0	<0.050	0.494	1.37	3.36	5.23	31.2	640	140	
9/1/2020		3'	148										
9/1/2020		4'	117	16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
9/1/2020	HC1	S	300	32.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.504993, -103.135809
9/1/2020	HC2	S	150	32.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.505142, -103.135669
9/1/2020	HC3	S	148	<16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.504997, -103.135509
9/1/2020	HC4	S	116	<16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.504871, -103.135683

## Final Sample Data

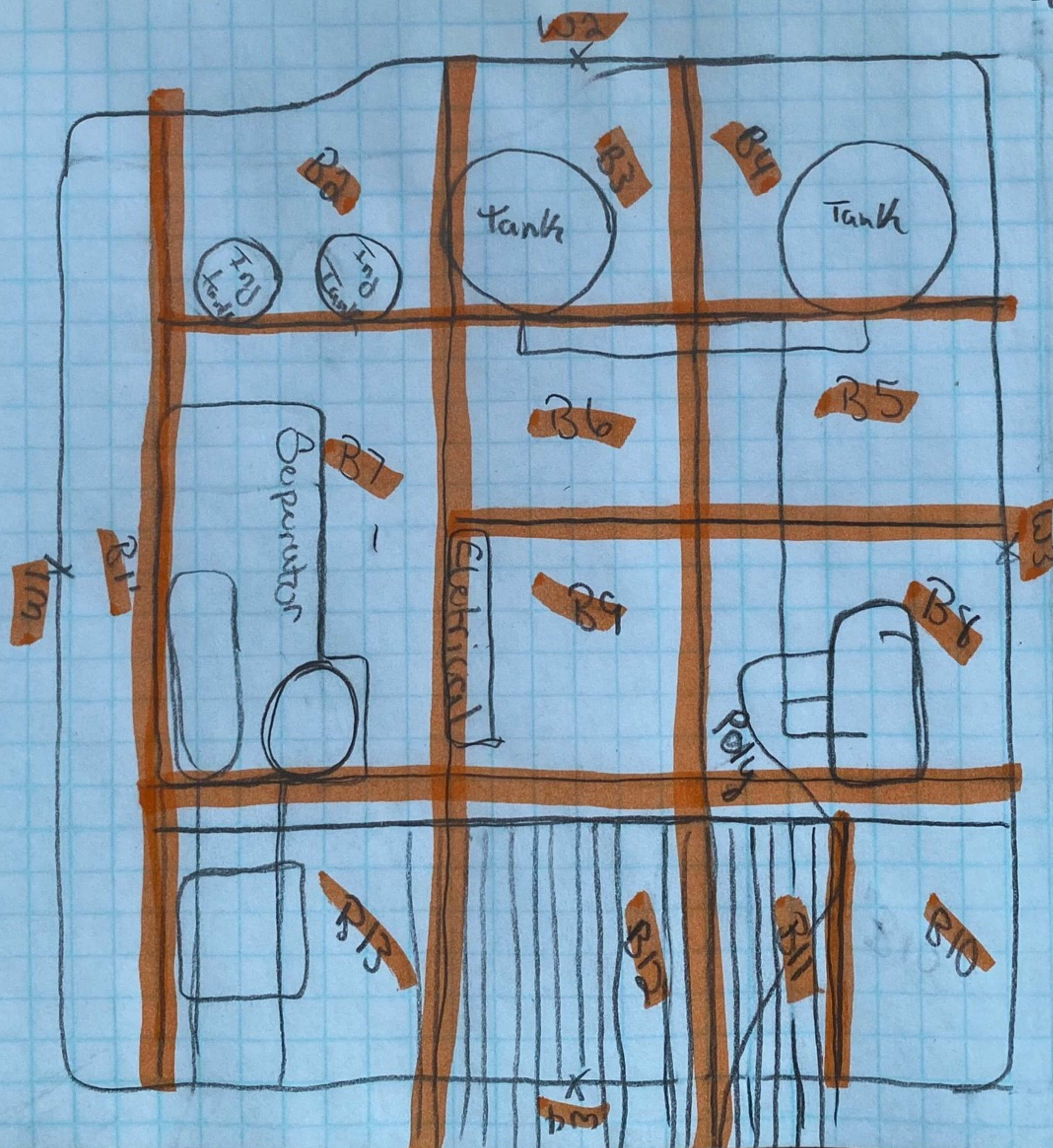
Sample Date	Sample ID	Depth	Chloride Field	Chloride Lab	Benzene	Toulene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO
5/7/2021	W1			128	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	25.4	<10.0
5/7/2021	W2			48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
5/7/2021	W3			16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
5/7/2021	W4			32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
5/7/2021	B1	1'		384	<0.050	<0.050	0.113	0.602	0.714	55.8	2010	404
5/7/2021	B2	1'		384	<0.050	0.058	<0.050	0.87	0.929	74	3160	658
5/7/2021	B3	1'		128	<0.050	0.116	<0.050	2.60	2.72	244	6550	1480
5/7/2021	B4	1'		16	<0.050	0.082	0.357	1.92	2.35	110	3730	861
5/7/2021	B5	1'		48	<0.050	0.15	0.838	4.05	5.04	188	5460	994
5/7/2021	B6	1'		304	<0.050	<0.050	<0.050	0.215	<0.300	<50.0	7780	2260
5/7/2021	B7	1'		288	<0.050	<0.050	<0.050	0.258	<0.300	<50.0	9220	2940
5/7/2021	B8	1'		16	<0.050	0.182	<0.050	2.81	2.99	85.6	6760	2290
5/7/2021	B9	1'		384	<0.050	<0.050	0.207	1.090	1.3	69.3	7170	2190
5/7/2021	B10	1'		416	<0.200	1.88	9.15	33.6	44.6	1440	17600	2390
5/7/2021	B11	1'		240	<0.050	<0.050	0.210	0.829	1.04	52.3	8760	2360
5/7/2021	B12	1'		112	<0.050	0.107	0.982	7.95	9.04	409	6800	1110
5/7/2021	B13	1'		80	<0.050	0.078	0.816	6.94	7.83	305	6030	1000



- GPS  
W1 32.5050006  
-103.1358078  
W2 32.5051609  
-103.1356412  
W3 32.5050076  
-103.1355098  
W4 32.5048815  
103.1356516  
B1 32.5049986  
-103.1357401  
B2 32.5050945  
-103.1357324  
B3 32.5051049  
-103.1356214  
B4 32.5051140  
-103.1355825  
B5 32.5050376  
-103.1355500  
B6 32.5050413  
-103.1356305  
B7 32.5050342  
-103.1357274  
B8 32.5049472  
-103.1355678  
B9 32.5049416  
-103.1356402  
B10 32.5049305  
-103.1355564

Apache NEDU Satellite #1

- B11 32.5049231  
-103.1356345  
B12 32.5049200  
+103.1356872  
B13 32.5049169  
-103.1357405







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

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May 12, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU SATELLITE 1

Enclosed are the results of analyses for samples received by the laboratory on 05/07/21 15:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](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  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	NEDU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: W 1 (H211187-01)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	2.07	
Toluene*	<0.050	0.050	05/10/2021	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTX	<0.300	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	128	16.0	05/11/2021	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	05/10/2021	ND	207	103	200	0.414	
DRO >C10-C28*	25.4	10.0	05/10/2021	ND	222	111	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					

Surrogate: 1-Chlorooctane 87.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 91.6 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 05/07/2021  
Reported: 05/12/2021  
Project Name: NEDU SATELLITE 1  
Project Number: NONE GIVEN  
Project Location: NONE GIVEN

Sampling Date: 05/07/2021  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: W 2 (H211187-02)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	2.07	
Toluene*	<0.050	0.050	05/10/2021	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTX	<0.300	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	48.0	16.0	05/11/2021	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	05/10/2021	ND	207	103	200	0.414	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	222	111	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					

Surrogate: 1-Chlorooctane 92.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 95.9 % 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  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received: 05/07/2021  
 Reported: 05/12/2021  
 Project Name: NEDU SATELLITE 1  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 05/07/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W 3 (H211187-03)**

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	05/10/2021	ND	2.03	101	2.00	2.07	
Toluene*	<0.050	0.050	05/10/2021	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTEx	<0.300	0.300	05/10/2021	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/11/2021	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	05/10/2021	ND	207	103	200	0.414	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	222	111	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					

Surrogate: 1-Chlorooctane 93.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 99.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received: 05/07/2021  
 Reported: 05/12/2021  
 Project Name: NEDU SATELLITE 1  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 05/07/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W 4 (H211187-04)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	2.07	
Toluene*	<0.050	0.050	05/10/2021	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.14	
Total Xylenes*	<0.150	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTX	<0.300	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/11/2021	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	05/10/2021	ND	224	112	200	3.87	
DRO >C10-C28*	<10.0	10.0	05/10/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	05/10/2021	ND					

Surrogate: 1-Chlorooctane 93.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 90.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	NEDU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 1 @ 1' (H211187-05)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	2.07	
Toluene*	<0.050	0.050	05/10/2021	ND	2.06	103	2.00	3.85	
Ethylbenzene*	0.113	0.050	05/10/2021	ND	2.08	104	2.00	6.14	
Total Xylenes*	0.602	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTX	0.714	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 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	384	16.0	05/11/2021	ND	416	104	400	0.00	

TPH 8015M	mg/kg	Analyzed By: MS						S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	55.8	50.0	05/10/2021	ND	224	112	200	3.87	
DRO >C10-C28*	2010	50.0	05/10/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	404	50.0	05/10/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 148 % 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  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	NEDU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 2 @ 1' (H211187-06)**

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	2.07	
<b>Toluene*</b>	<b>0.058</b>	0.050	05/10/2021	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.14	
<b>Total Xylenes*</b>	<b>0.870</b>	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
<b>Total BTX</b>	<b>0.929</b>	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 155 % 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
<b>Chloride</b>	<b>384</b>	16.0	05/11/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>74.0</b>	50.0	05/10/2021	ND	224	112	200	3.87	
<b>DRO &gt;C10-C28*</b>	<b>3160</b>	50.0	05/10/2021	ND	215	107	200	2.02	
<b>EXT DRO &gt;C28-C36</b>	<b>658</b>	50.0	05/10/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 186 % 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  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	NEDU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 3 @ 1' (H211187-07)**

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	2.07	
<b>Toluene*</b>	<b>0.116</b>	0.050	05/10/2021	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.14	
<b>Total Xylenes*</b>	<b>2.60</b>	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
<b>Total BTX</b>	<b>2.72</b>	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 237 % 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
<b>Chloride</b>	<b>128</b>	16.0	05/11/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>244</b>	50.0	05/10/2021	ND	224	112	200	3.87	
<b>DRO &gt;C10-C28*</b>	<b>6550</b>	50.0	05/10/2021	ND	215	107	200	2.02	
<b>EXT DRO &gt;C28-C36</b>	<b>1480</b>	50.0	05/10/2021	ND					

Surrogate: 1-Chlorooctane 119 % 44.3-133

Surrogate: 1-Chlorooctadecane 254 % 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  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	NEDU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 4 @ 1' (H211187-08)**

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	2.07	
Toluene*	0.082	0.050	05/10/2021	ND	2.06	103	2.00	3.85	
Ethylbenzene*	0.357	0.050	05/10/2021	ND	2.08	104	2.00	6.14	
Total Xylenes*	1.92	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTX	2.35	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 163 % 69.9-140

Chloride, SM4500CI-B		mg/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/11/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	110	50.0	05/10/2021	ND	224	112	200	3.87	
DRO >C10-C28*	3730	50.0	05/10/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	861	50.0	05/10/2021	ND					

Surrogate: 1-Chlorooctane 104 % 44.3-133

Surrogate: 1-Chlorooctadecane 193 % 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  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	NEDU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 5 @ 1' (H211187-09)**

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	2.07	
Toluene*	<b>0.150</b>	0.050	05/10/2021	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<b>0.838</b>	0.050	05/10/2021	ND	2.08	104	2.00	6.14	
Total Xylenes*	<b>4.05</b>	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTEX	<b>5.04</b>	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 202 % 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	<b>48.0</b>	16.0	05/11/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<b>188</b>	50.0	05/10/2021	ND	224	112	200	3.87	
DRO >C10-C28*	<b>5460</b>	50.0	05/10/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	<b>994</b>	50.0	05/10/2021	ND					

Surrogate: 1-Chlorooctane 120 % 44.3-133

Surrogate: 1-Chlorooctadecane 234 % 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  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	NEDU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 6 @ 1' (H211187-10)**

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	05/10/2021	ND	2.03	101	2.00	2.07		
Toluene*	<0.050	0.050	05/10/2021	ND	2.06	103	2.00	3.85		
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.14		
<b>Total Xylenes*</b>	<b>0.215</b>	0.150	05/10/2021	ND	6.13	102	6.00	4.17		
Total BTEX	<0.300	0.300	05/10/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	304	16.0	05/11/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	05/10/2021	ND	224	112	200	3.87	
DRO >C10-C28*	7780	50.0	05/10/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	2260	50.0	05/10/2021	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-133

Surrogate: 1-Chlorooctadecane 307 % 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  
JEFFREY BROOM  
2350 W. MARLAND BLVD.  
HOBBS NM, 88240  
Fax To: (575) 393-2432

Received:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	NEDU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 7 @ 1' (H211187-11)**

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	05/10/2021	ND	2.03	101	2.00	2.07		
Toluene*	<0.050	0.050	05/10/2021	ND	2.06	103	2.00	3.85		
Ethylbenzene*	<0.050	0.050	05/10/2021	ND	2.08	104	2.00	6.14		
Total Xylenes*	0.258	0.150	05/10/2021	ND	6.13	102	6.00	4.17		
Total BTEX	<0.300	0.300	05/10/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	
<b>Chloride</b>	<b>288</b>	16.0	05/11/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	05/10/2021	ND	224	112	200	3.87	
DRO >C10-C28*	9220	50.0	05/10/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	2940	50.0	05/10/2021	ND					

Surrogate: 1-Chlorooctane 111 % 44.3-133

Surrogate: 1-Chlorooctadecane 365 % 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  
JEFFREY BROOM  
2350 W. MARLAND BLVD.  
HOBBS NM, 88240  
Fax To: (575) 393-2432

Received:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	NEDU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 8 @ 1' (H211187-12)**

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/11/2021	ND	2.03	101	2.00	2.07	
<b>Toluene*</b>	<b>0.182</b>	0.050	05/11/2021	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<0.050	0.050	05/11/2021	ND	2.08	104	2.00	6.14	
<b>Total Xylenes*</b>	<b>2.81</b>	0.150	05/11/2021	ND	6.13	102	6.00	4.17	
<b>Total BTX</b>	<b>2.99</b>	0.300	05/11/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 177 % 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
<b>Chloride</b>	<b>16.0</b>	16.0	05/11/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>85.6</b>	50.0	05/10/2021	ND	224	112	200	3.87	
<b>DRO &gt;C10-C28*</b>	<b>6760</b>	50.0	05/10/2021	ND	215	107	200	2.02	
<b>EXT DRO &gt;C28-C36</b>	<b>2290</b>	50.0	05/10/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-133

Surrogate: 1-Chlorooctadecane 285 % 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  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	NEDU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 9 @ 1' (H211187-13)**

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	2.07	
Toluene*	<0.050	0.050	05/10/2021	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<b>0.207</b>	0.050	05/10/2021	ND	2.08	104	2.00	6.14	
Total Xylenes*	<b>1.09</b>	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTX	<b>1.30</b>	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 152 % 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	<b>384</b>	16.0	05/11/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<b>69.3</b>	50.0	05/11/2021	ND	224	112	200	3.87	
DRO >C10-C28*	<b>7170</b>	50.0	05/11/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	<b>2190</b>	50.0	05/11/2021	ND					

Surrogate: 1-Chlorooctane 121 % 44.3-133

Surrogate: 1-Chlorooctadecane 285 % 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  
 JEFFREY BROOM  
 2350 W. MARLAND BLVD.  
 HOBBS NM, 88240  
 Fax To: (575) 393-2432

Received: 05/07/2021  
 Reported: 05/12/2021  
 Project Name: NEDU SATELLITE 1  
 Project Number: NONE GIVEN  
 Project Location: NONE GIVEN

Sampling Date: 05/07/2021  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 10 @ 1' (H211187-14)**

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	05/10/2021	ND	2.03	101	2.00	2.07	
Toluene*	1.88	0.200	05/10/2021	ND	2.06	103	2.00	3.85	
Ethylbenzene*	9.15	0.200	05/10/2021	ND	2.08	104	2.00	6.14	
Total Xylenes*	33.6	0.600	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTX	44.6	1.20	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 238 % 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	416	16.0	05/11/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1440	50.0	05/10/2021	ND	224	112	200	3.87	
DRO >C10-C28*	17600	50.0	05/10/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	2390	50.0	05/10/2021	ND					

Surrogate: 1-Chlorooctane 253 % 44.3-133

Surrogate: 1-Chlorooctadecane 517 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	NEDU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 11 @ 1' (H211187-15)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	2.07	
Toluene*	<0.050	0.050	05/10/2021	ND	2.06	103	2.00	3.85	
Ethylbenzene*	<b>0.210</b>	0.050	05/10/2021	ND	2.08	104	2.00	6.14	
Total Xylenes*	<b>0.829</b>	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTX	<b>1.04</b>	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 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	<b>240</b>	16.0	05/11/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<b>52.3</b>	50.0	05/11/2021	ND	224	112	200	3.87		
DRO >C10-C28*	<b>8760</b>	50.0	05/11/2021	ND	215	107	200	2.02		
EXT DRO >C28-C36	<b>2360</b>	50.0	05/11/2021	ND						

Surrogate: 1-Chlorooctane 101 % 44.3-133

Surrogate: 1-Chlorooctadecane 348 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	NEDU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 12 @ 1' (H211187-16)**

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	2.07	
Toluene*	0.107	0.050	05/10/2021	ND	2.06	103	2.00	3.85	
Ethylbenzene*	0.982	0.050	05/10/2021	ND	2.08	104	2.00	6.14	
Total Xylenes*	7.95	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTEX	9.04	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 327 % 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	<b>112</b>	16.0	05/11/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	409	50.0	05/11/2021	ND	224	112	200	3.87	
DRO >C10-C28*	6800	50.0	05/11/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	1110	50.0	05/11/2021	ND					

Surrogate: 1-Chlorooctane 143 % 44.3-133

Surrogate: 1-Chlorooctadecane 261 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	05/07/2021	Sampling Date:	05/07/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	NEDU SATELLITE 1	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

**Sample ID: B 13 @ 1' (H211187-17)**

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/10/2021	ND	2.03	101	2.00	2.07	
Toluene*	0.078	0.050	05/10/2021	ND	2.06	103	2.00	3.85	
Ethylbenzene*	0.816	0.050	05/10/2021	ND	2.08	104	2.00	6.14	
Total Xylenes*	6.94	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTX	7.83	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 304 % 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	80.0	16.0	05/11/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	305	50.0	05/11/2021	ND	224	112	200	3.87	
DRO >C10-C28*	6030	50.0	05/11/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	1000	50.0	05/11/2021	ND					

Surrogate: 1-Chlorooctane 135 % 44.3-133

Surrogate: 1-Chlorooctadecane 254 % 38.9-142

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### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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".

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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> <u>Pruska</u> <b>Project Manager:</b> <u>Jeff Brown</u> <b>Address:</b> <b>City:</b> <u>Hobbs</u> <b>State:</b> <u>NM</u> <b>Zip:</b> <u>88240</u> <b>Phone #:</b> <b>Fax #:</b> <b>Project #:</b> <b>Project Owner:</b> <b>Project Name:</b> <b>Project Location:</b> <u>WEDU Satellite #1</u> <b>Sampler Name:</b> <u>Joe Chesebrough</u>		<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>MATRIX</b> (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: (ICE) COOL OTHER :		<b>PRESERV.</b> <b>SAMPLING</b>	
<b>Lab I.D.</b> <u>H211187</u>	<b>Sample I.D.</b> <u>1</u> <u>2</u> <u>3</u> <u>4</u> <u>5</u> <u>6</u> <u>7</u> <u>8</u> <u>9</u> <u>10</u>	DATE <u>5/7</u> <u>10/15</u> <u>10/16</u> <u>10/17</u> <u>10/18</u> <u>11/20</u> <u>11/22</u> <u>11/24</u> <u>11/28</u> <u>11/28</u>	TIME <u>10:15</u> <u>10:16</u> <u>10:17</u> <u>10:18</u> <u>10:18</u> <u>11:20</u> <u>11:22</u> <u>11:24</u> <u>11:28</u> <u>11:28</u>	CL EVL TPH BTEX	
<b>Relinquished By:</b> <u>[Signature]</u> <b>Date:</b> <u>5/7/21</u> <b>Time:</b> <u>1535</u>		<b>Received By:</b> <u>[Signature]</u> <b>Date:</b> <u>5/7/21</u> <b>Time:</b> <u>1535</u>		<b>REMARKS:</b>	
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other:		<b>Observed Temp. °C</b> <u>43</u> <b>Corrected Temp. °C</b>		<b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
<b>Turnaround Time:</b> <u>Standard</u> <b>Thermometer ID #113</b> <b>Correction Factor</b> <u>None</u>		<b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/> <b>Bacteria (only)</b> <input type="checkbox"/> <b>Cool Intact</b> <input type="checkbox"/> <b>Observed Temp. °C</b> <b>Corrected Temp. °C</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>	

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 21 of 21















303 Veterans Airpark Lane Midland, TX 79705

### **Variance Request**

*Apache Corporation has made a reasonable attempt to hand auger multiple areas inside the pad with no success due to the hardness of soil. Delineation was conducted at SP 1 which is in the area of the facility that could be accessed with mechanical equipment. The facility is small and has many buried lines on the west side of the facility near the gate. The other issues are above ground steel pipelines which limit access to the remaining areas of the release. Due to the hardness of the soil, it is unlikely for the downward migration of hydrocarbons. A hydro-vac option is limited because they are large vehicles, and the required space is limited to access safely. Also, hydro-vac tend to be non-successful regarding hard rock. Apache Corporation respectfully request a variance to the rule to further delineate at multiple areas requested by the OCD for the reasons stated above until facility deconstruction or system abandonment of the facility.*



**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 132411

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 132411
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Deferral Request Approved.	8/23/2022