



303 Veterans Airpark Lane Midland, TX 79705

Deferment Request

August 9, 2022

Re: NEDU Satellite # 1

Case # NRM2019757991

On 6/25/2020 a release occurred due to a power failure that resulting in the tank to overfill. The release (GPS: 32.504981, -103.135724) 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.

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 nRM2019757991.

Enclosed: C-141, Maps, Sample Data, Laboratory Results, 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. Staff
Signature: Larry Baker Date: 8/9/2022
email: larry.baker@apachecorp.com Telephone: 432-215-2284

OCD Only

Received by: _____ Date: _____

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

Signature: Jennifer Nobui Date: 08/17/2022

From: OCDOnline@state.nm.us
To: [Baker, Larry](#)
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has rejected the application, Application ID: 29327
Date: Thursday, August 5, 2021 2:23:04 PM

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To whom it may concern (c/o Larry Baker for APACHE CORPORATION),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nRM2019757991, for the following reasons:

- The areas that prevent further excavation because of the compressors, installed production equipment, lines, and rock refusal will need to be delineated with lab tested soil samples to quantify the amount of contaminated soil left in place. These samples will need to be included in a formal deferral request, once the rest of the excavation is delineated and excavated. The entire spill will not be deferred, please use a hydrovac to remove contaminated soil in places that can be excavated.
- Vertical delineation submitted was incomplete and did not meet the requirements of [19.15.29.11](#) NMAC.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 29327.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,
Chad Hensley
Environmental Science & Specialist
575-703-1723
Chad.Hensley@state.nm.us

New Mexico Energy, Minerals and Natural Resources Department
1220 South St. Francis Drive
Santa Fe, NM 87505



W1

W2

W3

W4

© 2021 Google

Google Earth

50 ft



© 2021 Google

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

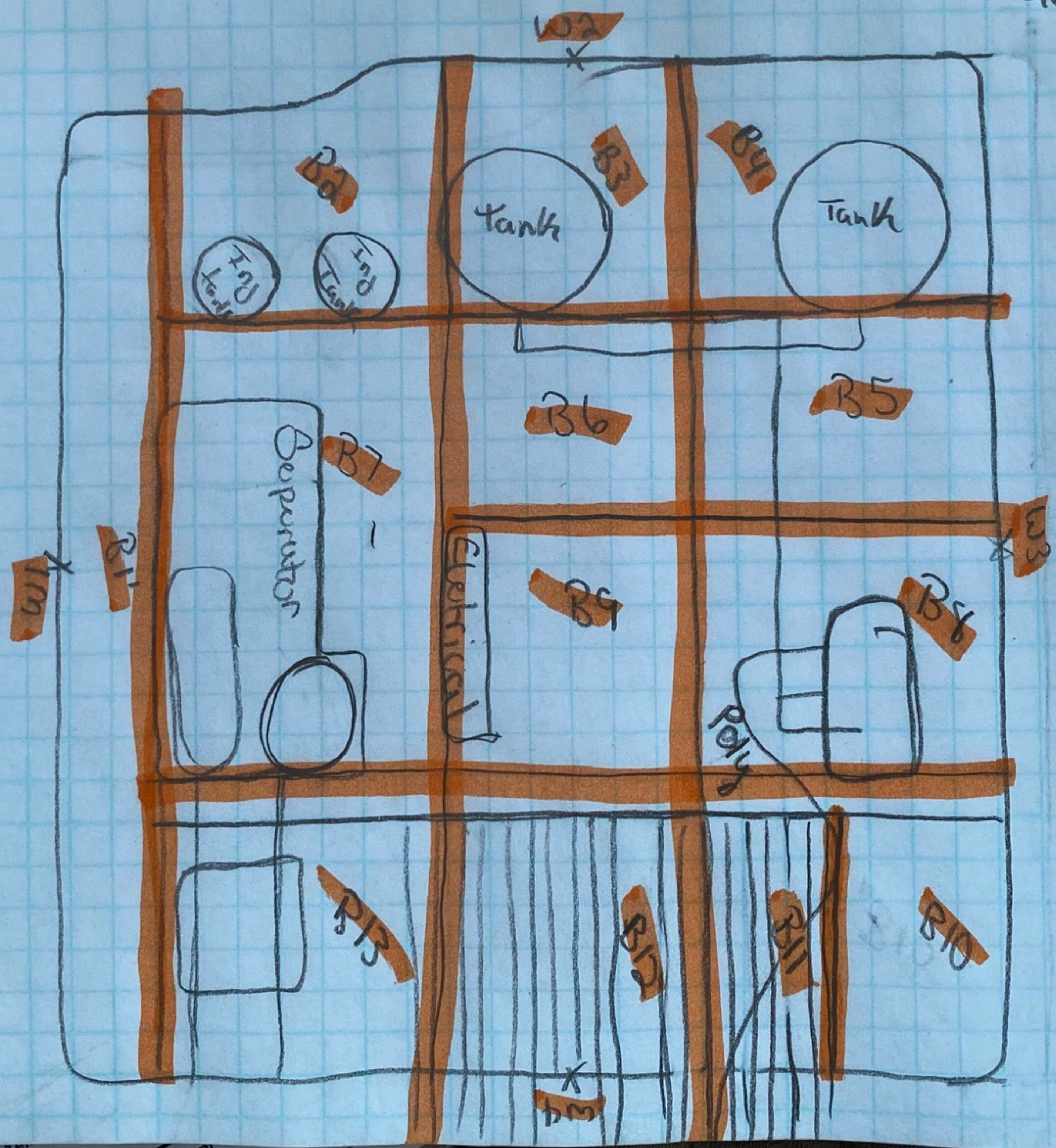
Final Sample Data

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 32.5049446
-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

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.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS
 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 1 (H211187-01)

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	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) 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)

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) 101 % 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	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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*=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
 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, 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					
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)

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) 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)

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*	0.113	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 BTEX	0.714	0.300	05/10/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 131 % 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	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
 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 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	
Toluene*	0.058	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*	0.870	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTX	0.929	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 155 % 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*	74.0	50.0	05/10/2021	ND	224	112	200	3.87	
DRO >C10-C28*	3160	50.0	05/10/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	658	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	
Toluene*	0.116	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*	2.60	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTX	2.72	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
Chloride	128	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*	244	50.0	05/10/2021	ND	224	112	200	3.87	
DRO >C10-C28*	6550	50.0	05/10/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	1480	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)

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*	0.150	0.050	05/10/2021	ND	2.06	103	2.00	3.85	
Ethylbenzene*	0.838	0.050	05/10/2021	ND	2.08	104	2.00	6.14	
Total Xylenes*	4.05	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTX	5.04	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 202 % 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					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	188	50.0	05/10/2021	ND	224	112	200	3.87	
DRO >C10-C28*	5460	50.0	05/10/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	994	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		
Total Xylenes*	0.215	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
 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 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	
Chloride	288	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	
Toluene*	0.182	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	
Total Xylenes*	2.81	0.150	05/11/2021	ND	6.13	102	6.00	4.17	
Total BTX	2.99	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
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*	85.6	50.0	05/10/2021	ND	224	112	200	3.87	
DRO >C10-C28*	6760	50.0	05/10/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	2290	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*	0.207	0.050	05/10/2021	ND	2.08	104	2.00	6.14	
Total Xylenes*	1.09	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTX	1.30	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	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*	69.3	50.0	05/11/2021	ND	224	112	200	3.87	
DRO >C10-C28*	7170	50.0	05/11/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	2190	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	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 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)

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*	0.210	0.050	05/10/2021	ND	2.08	104	2.00	6.14	
Total Xylenes*	0.829	0.150	05/10/2021	ND	6.13	102	6.00	4.17	
Total BTEX	1.04	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 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	240	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*	52.3	50.0	05/11/2021	ND	224	112	200	3.87	
DRO >C10-C28*	8760	50.0	05/11/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	2360	50.0	05/11/2021	ND					

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	52.3	50.0	05/11/2021	ND	224	112	200	3.87	
DRO >C10-C28*	8760	50.0	05/11/2021	ND	215	107	200	2.02	
EXT DRO >C28-C36	2360	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
 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 12 @ 1' (H211187-16)

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*	0.107	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 BTX	9.04	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 327 % 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	112	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)

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*	0.078	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 BTEX	7.83	0.300	05/10/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 304 % 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	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

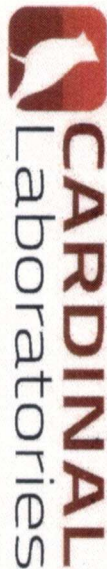
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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

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>Prusky</u> Project Manager: <u>Jeff Brown</u> Address: City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u> Phone #: Fax #: Project #: Project Owner: Project Name: Project Location: <u>WEDU Satellite #1</u> Sampler Name: <u>Joe Chesebrough</u>				BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:					
FOR LAB USE ONLY				ANALYSIS REQUEST					
Lab I.D. <u>H211187</u>		Sample I.D.		MATRIX (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: (ICE) COOL OTHER :		PRESERV. DATE TIME		SAMPLING	
1 30 2 30 3 30 4 30 5 30 6 30 7 30 8 30 9 30 10 30		1 30 2 30 3 30 4 30 5 30 6 30 7 30 8 30 9 30 10 30		1 30 2 30 3 30 4 30 5 30 6 30 7 30 8 30 9 30 10 30		1 30 2 30 3 30 4 30 5 30 6 30 7 30 8 30 9 30 10 30		1 30 2 30 3 30 4 30 5 30 6 30 7 30 8 30 9 30 10 30	
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Relinquished By: <u>[Signature]</u> Date: <u>5/7/21</u> Time: <u>1535</u>				Received By: <u>[Signature]</u> Date: <u>5/7/21</u> Time: <u>1535</u>				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address:	
REMARKS:									
Delivered By: (Circle One) Sampler - UPS - Bus - Other:				Observed Temp. °C <u>43</u> Corrected Temp. °C				Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Bacteria (only) <input type="checkbox"/> Yes <input type="checkbox"/> No Sample Condition <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C	

† 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 reconstruction 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 132412

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 132412
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Deferral Request Approved.	8/17/2022