

Remediation Plan

October 12, 2023

Re: NEDU 320

Case nAPP2321343603

Background:

On 7/19/2023 a release occurred due to a tubing failure on well head. The release (GPS: 32.502577, -103.131180) is located north of Eunice, New Mexico in unit letter O section 2 township 17S range 37E. Depth to groundwater was determined by a measurement obtained in 2021 of a nearby monitor well and a soil bore conducted in 2019. The depth of water in the monitor well was gauged at 63.68 feet. The soil bore was sampled to 60 feet and water was not encountered. The data suggest that the groundwater below the release is greater than 60 feet.

Discrete vertical and horizontal grab samples were collected to delineate the release on 8/4/2023. All samples collected were submitted to a commercial laboratory for analysis for Cl-, TPH, and BTEX. All samples were below table one standards for releases 51-100 feet to groundwater. The horizontal data suggest that the entire release was contained to the lease pads and lease road.

Remediation Plan:

Apache Corporation proposes that final surface 5-point bottom composite samples be collected not to exceed 400 square feet. Final 5 point horizontal composite samples will be collected to not to exceed 200 square feet. All samples collected will be submitted to commercial laboratory for analysis of Chloride (EPA 4500), TPH (8025) and BTEX (8021). If laboratory analysis exceeds table one standards for releases 51-100 feet, then those areas will be excavated until it meets the standards. If excavation is required, the soil will be disposed of at an OCD approved disposal facility and clean imported caliche will be utilized as backfill to restore the lease pads and roads. The remediation will be completed within 90 days of OCD and SLO approval of the plan.

Enclosed: C-141, Groundwater Data, Maps, Sample Data, and Laboratory Results.

Submitted by.

Environmental Specialist Sr.

larry.baker@apachecorp.com
Office # 432-818-1654

Cell# 432-250-8384

Larry Baker

Incident ID	NAPP2321343603
District RP	
Facility ID	
Application ID	

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas not on an exploration, development, production, or storage site?	☐ Yes ☑ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and ver contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
 ✓ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well ✓ Field data ✓ Data table of soil contaminant concentration data ✓ Depth to water determination ✓ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release ✓ Boring or excavation logs ✓ Photographs including date and GIS information ✓ Topographic/Aerial maps ✓ Laboratory data including chain of custody 	ls.

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

Received by OCD: 10/12/2023 3:05:20 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

	Page 3 of	46
Incident ID	NAPP2321343603	
District RP		
Facility ID		
Application ID		

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thr addition, OCD acceptance of a C-141 report does not relieve the operator o and/or regulations.	tifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have reat to groundwater, surface water, human health or the environment. In
Printed Name: Larry Baker	Title: Environmental Specialist Sr.
Signature: Larry Baker	Date: 10/12/2023
Signature: Larry Baker email: larry.baker@apachecorp.com	Telephone: 432-250-8384
OCD Only	
Received by: Shelly Wells	Date: <u>10/12/2023</u>

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Incident ID	NAPP2321343603
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 ✓ Proposed schedule for remediation (note if remediation plan time 	
Defended Democrate Only Fred of the following items must be south	
<u>Deferral Requests Only</u> : <i>Each of the following items must be conf</i> ☐ Contamination must be in areas immediately under or around prodeconstruction.	duction equipment where remediation could cause a major facility
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 rules and regulations all operators are required to report and/or file ce which may endanger public health or the environment. The acceptant liability should their operations have failed to adequately investigate a surface water, human health or the environment. In addition, OCD acresponsibility for compliance with any other federal, state, or local law Printed Name: Larry Baker Signature: Larry Baker larry.baker@apachecorp.com	rtain release notifications and perform corrective actions for releases ce of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, eceptance of a C-141 report does not relieve the operator of
OCD Only	
Received by: Shelly Wells	Date: 10/12/2023
Approved Approved with Attached Conditions of A	pproval
Signature: Nelson Velez	Date: 02/02/2024

Remediation plan is approved as written and with the following conditions;

- 1. Apache must submit the supporting documentation for its site characterization within its final remediation closure report.
- 2. Apache has until May 2, 2024 to submit to OCD its appropriate or final remediation closure report.



December 21, 2021



Apache Corporation 303 Veterans Airpark Lane Midland, Texas 79705

Attn: Mr. Bruce Baker P: 432-818-1000

E: larry.baker@apachecorp.com

RE: Release Investigation and Remedial Action Plan

NEDU Injection Line

Unit C, Section 10, Township 21 South, Range 37 East

Lea County, New Mexico

Dear Mr. Baker,

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

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

Sincerely,

Terracon Consultants, Inc.

Joseph Guesnier Staff Scientist

Lubbock

Erin Loyd, Principal

Office Manager – Lubbock



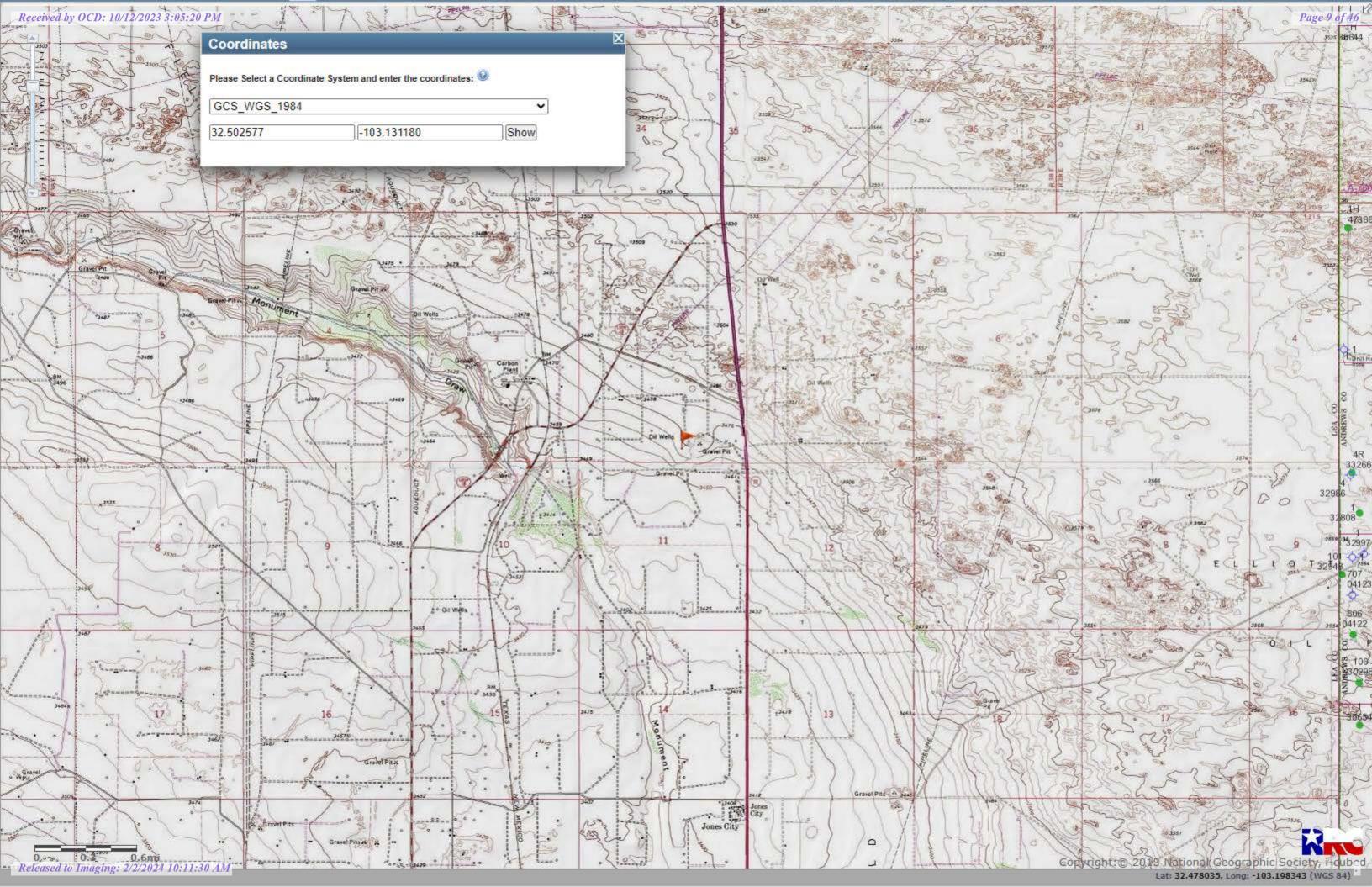
SCARBOROUGH DRILLING, INC.

TEST HOLES • WATER WELLS
P.O. Box 305 - Ph. 806-872-3285 or 872-9349
LAMESA, TEXAS 79331
2001 South Hwy. 87

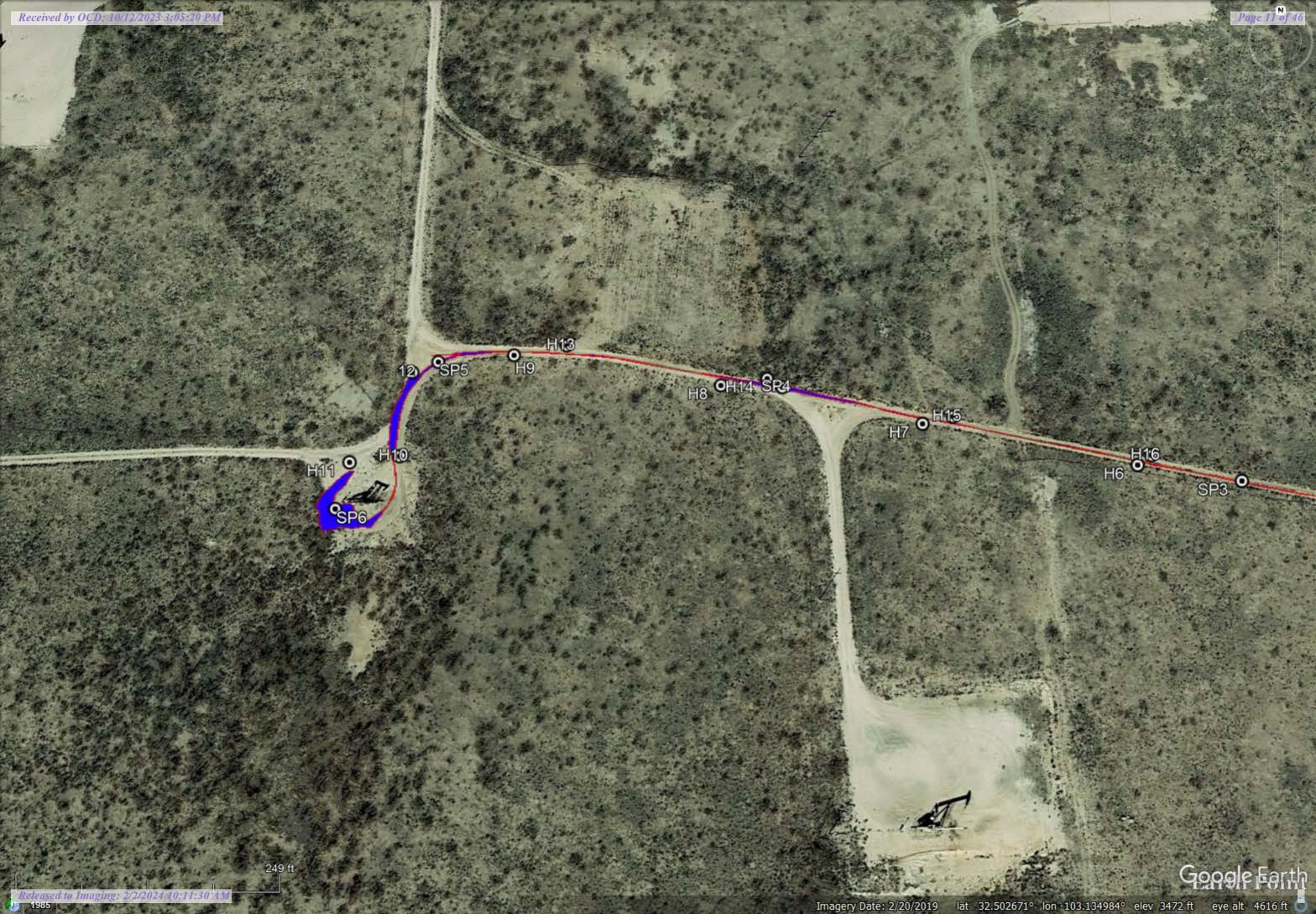
Courson

WELL LOG

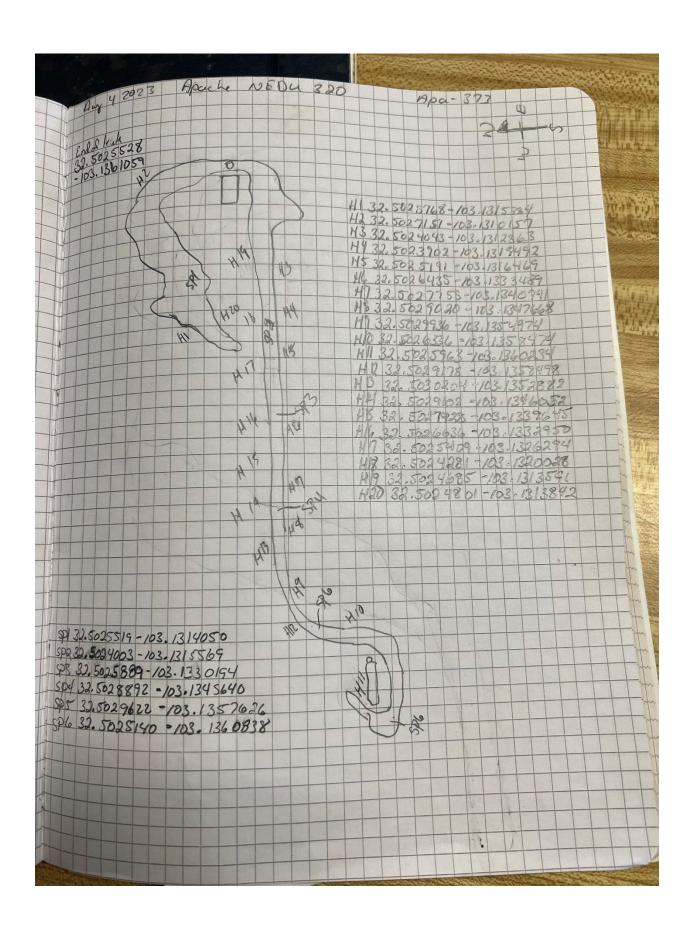
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From	То	FORMATION
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Q_{-}		Ebeker
-1/2	1/12	Sorial Clay
16	60	Sand
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Date Pa	DLH	Driller Lane Sanlopus
		GIRRC Opplind











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Delineation Samples

Commis	Comple ID	Donth	Chloride	Benzene		lineation Sa	· ·	Total	GRO	DRO	EXT DRO	GPS
Sample	Sample ID	Depth		benzene	Toulene	Ethybenz	Total	Total	GRO	DKO	EXIDRO	Coordinates
Date			Lab			ene	Xylenes	BTEX				32.5025768,
9/4/2022	H1	6"	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.1315384
8/4/2023	ПТ	0	40	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.5027151,
	H2	6"	48	<0.0E0	<0.050	<0.0E0	<0.1E0	<0.300	<10.0	<10.0	<10.0	-103.1310157
	ПZ	0	40	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.5024043,
	Н3	6"	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.1312863
	ПЭ	0	52	<0.030	<0.030	<0.030	<0.130	\0.300	\10.0	<10.0	<10.0	32.5023902,
	H4	6"	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.1319492
	114	0	32	\0.050	\0.030	\0.050	\0.130	\0.500	10.0	10.0	10.0	32.5025191,
	H5	6"	32	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	-103.1316469
	113		02	40,050	40.000	10.000	101250	10.000	120.0	120.0	12010	32.5026435,
	Н6	6"	256	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	-103.1333489
							101200					32.5027758,
	H7	6"	384	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	-103.1340741
												32.5029020,
	Н8	6"	432	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	-103.1347668
												32.5029936,
	Н9	6"	112	<0.050	< 0.050	<0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	-103.1354974
												32.5026336,
	H10	6"	32	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	-103.1354974
												32.5025963,
	H11	6"	16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27.0	17.3	-103.1360234
												32.5029178,
	H12	6"	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.1358498
												32.5020204,
	H13	6"	16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.1352882
												32.5029102,
	H14	6"	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.1346052
												32.5027928,
	H15	6"	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.1339645
	114.6	6 11									40.0	32.5026636,
	H16	6"	96	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.1332950
	1147	CII.	4.6	.0.050	.0.050	.0.050	.0.450	.0.200	40.0	40.0	40.0	32.5025409,
	H17	6"	16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.1326294
	H18	6"	200	<0.0E0	<0.0E0	٠٥ ٥٥٥	<0.150	<0.200	<10 O	-10.0	-10.0	32.5024281, -103.1320028
	П10	О	208	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.5024685,
	H19	6"	208	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.1313591
	П19	0	200	<u> </u>	<0.030	<u> </u>	\0.130	\0.300	\10.0	\10.0	\10.0	32.5024801,
	H20	6"	208	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.1313842
	1120	0	200	10.050	٧٥.030	٧٥.٥٥٥	10.150	\0.500	10.0	10.0	110.0	32.5025519,
	SP1	Surface	3440	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	-103.1314050
	31 1	Sarrace	3110	40.050	10.050	10.050	10.130	10.000	110.0	120.0	120.0	32.5024003,
	SP2	Surface	6960	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	87.4	36.7	-103.1315569
											2.2.2	32.5025889,
	SP3	Surface	3600	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	19.8	<10.0	-103.1330194
												32.5028892,
	SP4	Surface	4880	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	96.4	23.3	-103.1345640
												32.5029622,
	SP5	Surface	8000	<0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	26.9	<10.0	-103.1357626
												32.5025140,
	SP6	Surface	2960	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.7	<10.0	-103.1360838



August 10, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU #320

Enclosed are the results of analyses for samples received by the laboratory on 08/04/23 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 08/04/2023
Reported: 08/10/2023

Project Name: NEDU #320
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 1 (H234170-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/09/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	79.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.8	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results related only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene



Analytical Results For:

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

Received: 08/04/2023 Reported: 08/10/2023

Project Name: NEDU #320
Project Number: NONE GIVEN
Project Location: NOT GIVEN

ma/ka

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 2 (H234170-02)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/09/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	73.0	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.3	% 49.1-14	8						

Analyzed By: 1H /

Cardinal Laboratories *=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Freene



Analytical Results For:

APACHE CORP - HOBBS **BRUCE BAKER** 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 08/04/2023 Reported: 08/10/2023

Project Name: NEDU #320 Project Number: NONE GIVEN Project Location: **NOT GIVEN**

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: H 3 (H234170-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/09/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	87.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene



Analytical Results For:

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

Received: 08/04/2023 Reported: 08/10/2023 NEDU #320

Project Name: Project Number: NONE GIVEN Project Location: **NOT GIVEN**

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: H 4 (H234170-04)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/09/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 %	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 08/04/2023 Reported: 08/10/2023

Project Name: NEDU #320 Project Number: NONE GIVEN Project Location: **NOT GIVEN**

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: H 5 (H234170-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/09/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 08/04/2023 Reported: 08/10/2023

Project Name: NEDU #320
Project Number: NONE GIVEN
Project Location: NOT GIVEN

ma/ka

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 6 (H234170-06)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/09/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	117	% 49.1-14	8						

Analyzed By: 1H /

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Analytical Results For:

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

Received: 08/04/2023 Reported: 08/10/2023

Project Name: NEDU #320 Project Number: NONE GIVEN Project Location: **NOT GIVEN**

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: H 7 (H234170-07)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/09/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	90.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 08/04/2023 Reported: 08/10/2023

Project Name: NEDU #320 Project Number: NONE GIVEN Project Location: **NOT GIVEN**

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: H 8 (H234170-08)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/09/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	89.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	103 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 08/04/2023 Reported: 08/10/2023

Project Name: NEDU #320 Project Number: NONE GIVEN Project Location: NOT GIVEN

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: H 9 (H234170-09)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/09/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	< 0.050	0.050	08/09/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	79.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.7	% 49.1-14	8						

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08/04/2023

Soil

Analytical Results For:

APACHE CORP - HOBBS **BRUCE BAKER** 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 08/04/2023 Sampling Date: Reported: 08/10/2023 Sampling Type:

Project Name: NEDU #320 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: **NOT GIVEN**

Sample ID: H 10 (H234170-10)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/09/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	79.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 08/04/2023 Reported: 08/10/2023

Project Name: NEDU #320 Project Number: NONE GIVEN Project Location: **NOT GIVEN**

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: H 11 (H234170-11)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/09/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/09/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	27.0	10.0	08/09/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	17.3	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	95.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.4	% 49.1-14	8						

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08/04/2023

Soil

Analytical Results For:

APACHE CORP - HOBBS **BRUCE BAKER** 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 08/04/2023 Sampling Date: Reported: 08/10/2023 Sampling Type:

Project Name: NEDU #320 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: **NOT GIVEN**

Sample ID: H 12 (H234170-12)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/10/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	93.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 08/04/2023

NOT GIVEN

ma/ka

Reported: 08/10/2023
Project Name: NEDU #320
Project Number: NONE GIVEN

)23

Sampling Condition: Sample Received By:

Sampling Date:

Sampling Type:

08/04/2023

08/04/2023 Soil

Cool & Intact Tamara Oldaker

Sample ID: H 13 (H234170-13)

Project Location:

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/10/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	85.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.3	% 49.1-14	8						

Analyzed By: 1H /

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene



08/04/2023

Analytical Results For:

APACHE CORP - HOBBS **BRUCE BAKER** 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 08/04/2023 Sampling Date:

Reported: 08/10/2023 Sampling Type: Soil Project Name: NEDU #320 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: **NOT GIVEN**

Sample ID: H 14 (H234170-14)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/10/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	6 71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	76.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 08/04/2023 Reported: 08/10/2023

ma/ka

Project Name: NEDU #320
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 15 (H234170-15)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/10/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	114	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

Analyzed By: 1H /

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Analytical Results For:

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

Received: 08/04/2023 Reported: 08/10/2023

Project Name: NEDU #320 Project Number: NONE GIVEN Project Location: **NOT GIVEN**

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: H 16 (H234170-16)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/10/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	102 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 08/04/2023 Reported: 08/10/2023

Project Name: NEDU #320 Project Number: NONE GIVEN Project Location: **NOT GIVEN**

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: H 17 (H234170-17)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/10/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	157	78.6	200	5.45	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	165	82.4	200	5.27	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	88.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	104 9	% 49.1-14	8						

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Analytical Results For:

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

Received: 08/04/2023 Reported: 08/10/2023

Project Name: NEDU #320
Project Number: NONE GIVEN
Project Location: NOT GIVEN

ma/ka

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 18 (H234170-18)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/10/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	158	78.9	200	2.48	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	151	75.3	200	0.903	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	92.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	99.8	% 49.1-14	8						

Analyzed By: 1H /

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Analytical Results For:

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

Received: 08/04/2023 Reported: 08/10/2023

Project Name: NEDU #320 Project Number: NONE GIVEN Project Location: **NOT GIVEN**

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: H 19 (H234170-19)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/10/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	175	87.4	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	184	92.2	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	76.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.3	% 49.1-14	8						

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Analytical Results For:

APACHE CORP - HOBBS BRUCE BAKER 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 08/04/2023 Reported: 08/10/2023

ma/ka

Reported: 08/10/2023
Project Name: NEDU #320
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: H 20 (H234170-20)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.00	99.8	2.00	1.74	
Toluene*	<0.050	0.050	08/10/2023	ND	2.03	101	2.00	4.19	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.89	94.6	2.00	2.70	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.55	92.5	6.00	2.44	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	175	87.4	200	3.32	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	184	92.2	200	4.26	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	78.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	84.3	% 49.1-14	8						

Analyzed By: 1H /

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 08/04/2023 Reported: 08/10/2023

Project Name: NEDU #320 Project Number: NONE GIVEN Project Location: **NOT GIVEN**

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SP 1 SURFACE (H234170-21)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	100	2.00	1.17	
Toluene*	<0.050	0.050	08/10/2023	ND	1.91	95.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.93	96.4	2.00	1.18	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.67	94.6	6.00	0.105	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3440	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	168	84.2	200	0.120	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	177	88.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	91.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	108 9	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

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

Received: 08/04/2023 Reported:

08/10/2023

Project Name: NEDU #320 Project Number: NONE GIVEN Project Location: **NOT GIVEN**

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SP 2 SURFACE (H234170-22)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	100	2.00	1.17	
Toluene*	<0.050	0.050	08/10/2023	ND	1.91	95.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.93	96.4	2.00	1.18	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.67	94.6	6.00	0.105	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6960	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	168	84.2	200	0.120	
DRO >C10-C28*	87.4	10.0	08/08/2023	ND	177	88.4	200	1.48	
EXT DRO >C28-C36	36.7	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	83.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	100	% 49.1-14	8						

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Analytical Results For:

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

Received: 08/04/2023

Reported: 08/10/2023 Project Name: NEDU #320 Project Number: NONE GIVEN

Project Location: **NOT GIVEN** Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: SP 3 SURFACE (H234170-23)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	100	2.00	1.17	
Toluene*	<0.050	0.050	08/10/2023	ND	1.91	95.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.93	96.4	2.00	1.18	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.67	94.6	6.00	0.105	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	168	84.2	200	0.120	
DRO >C10-C28*	19.8	10.0	08/08/2023	ND	177	88.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	81.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.3	% 49.1-14	8						

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Analytical Results For:

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

Received: 08/04/2023 Reported: 08/10/2023

Project Name: NEDU #320
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 4 SURFACE (H234170-24)

BTEX 8021B	mg,	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	100	2.00	1.17	
Toluene*	<0.050	0.050	08/10/2023	ND	1.91	95.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.93	96.4	2.00	1.18	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.67	94.6	6.00	0.105	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4880	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	168	84.2	200	0.120	
DRO >C10-C28*	96.4	10.0	08/08/2023	ND	177	88.4	200	1.48	
EXT DRO >C28-C36	23.3	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	74.2	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	94.2	% 49.1-14	8						

Surrogate: 1-Chlorooctadecane 94.2 % 49.1-148

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Analytical Results For:

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

Received: 08/04/2023 Reported: 08/10/2023

Project Name: NEDU #320
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 5 SURFACE (H234170-25)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	100	2.00	1.17	
Toluene*	<0.050	0.050	08/10/2023	ND	1.91	95.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.93	96.4	2.00	1.18	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.67	94.6	6.00	0.105	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8000	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	168	84.2	200	0.120	
DRO >C10-C28*	26.9	10.0	08/08/2023	ND	177	88.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	76.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.0	% 49.1-14	8						

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Analytical Results For:

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

Received: 08/04/2023 Reported: 08/10/2023

Project Name: NEDU #320
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 08/04/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: SP 6 SURFACE (H234170-26)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	2.01	100	2.00	1.17	
Toluene*	<0.050	0.050	08/10/2023	ND	1.91	95.5	2.00	1.76	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	1.93	96.4	2.00	1.18	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	5.67	94.6	6.00	0.105	
Total BTEX	<0.300	0.300	08/10/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	112	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2960	16.0	08/09/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	168	84.2	200	0.120	
DRO >C10-C28*	15.7	10.0	08/08/2023	ND	177	88.4	200	1.48	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	80.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

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Insufficient time to reach temperature.

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

Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

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.

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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANIAL VOIC DECLIEST

Page 29 of 31

Released to Imaging: 2/2/2024 10:11:30 AM

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

Company Name	1000								L	3/L	L TO						ANA	LISI	3 K	LOC	LOI				$\overline{}$
Project Manager	1 pull						P	.0.#	:															- 1	
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City: Hobb	State(1)	₩ Zip	: 5	382	24	0	A	ttn:																	
Phone #:	Fax #:						A	ddre	ss:																
Project #:	Project Own	ner:					C	ity:																	
Project Name:							s	tate:		- 2	Zip:														
	1) ENL 320						P	hone	e #:																
Sampler Name:	Sose Busch						F	ax#																	
FOR LAB USE ONLY	Cost (Value)		Г		MAT	RIX		PR	ESE	RV.	SAME	PLING			1	2									
Lab I.D.	Sample I.D.	(SIRAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	SOIL	OIL	SLUDGE	OTHER: ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME	10	OTEV	2710	EXTTP									
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8	48	G	1		1			-	1			12:44		1	+	1	-	+	+	-	-		-		
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10	H10	G			1				all bo 6	mitad t	n the amount na	12:48	or the		_								_		
analyses. All claims include service. In no event shall of affiliates or successors arise Relinquished E	Rulach Time: 2:3	luding without by Cardin	out lim	itation hus	iness in whethe	terruntic	ons los	ss of use	e or los	s of pr	ofits incurred by	client, its subsidireasons or otherwork Verbal Roall Result	esult:	□ \ emaile	ed.	Please p	rovide E		ne #: ddress	s:					
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Sampler - UPS -	- Bus - Other: Corrected Temp				N	0 🗖	No		V	_		Correction	Factor	-0.6°C	0	40	14/23		Nc 🗌	No	Cor	rected	Temp.		

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

Received by OCD: 10/12/2023 3:05:20 PM † Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

CARDINAL Laboratories

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS 5	REQUEST
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Company Name: Apache Project Manager: B. Baker								BILL TO							ANALYSIS REQUEST											
Project Manager	BRoker							P.0	. #:																	
Address:	v. Daner							Cor	npa	ny:																
City: Hobb	State:	Zip	80	82	40)	-	Attr	1:																	
Phone #:	Fax #:							Add	dres	s:																
Project #:	Project Own	ner:						City	/ :																	
Project Name:								Sta	te:		2	Zip:														
	1: NEDU 320					-			one	#:																
Sampler Name:	500c Carl	_				ATRI		_	(#:	SER	DVI	SAMI	PLING			1										
FOR LAB USE ONLY		۵	П		IVI	AIRL	^		FILE	JOLIN	"	O7.III				0		K .								
	* 	(C)OMP	ss.	TER	2						1				X	K										
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H234170		S(G)RAB	#	GRO	WAST	OF S	SLL	O	ACI	5	6	DATE	TIME	-	-	1			+	-		_				
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15	HIS	B	1			1	1			1			1:50	1	1	1										
19	HIG	G	1			1	1			1			1:52		1	1				-		-	-			
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analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the appropriate the completion of the appropriate complet

ervice. In no event shall Cardinal be liable for incidental or c	ance of services hereunder by Cardinal, regardle	ess of whether such claim is based	upon any of the above stated red	Sons or otherwise.	dd'l Phone #:
Relinquished By:	Date:8/4/13 Receive	ed By:	11/1/1/	Verbal Result: ☐ Yes ☐ No ☐ All Results are emailed. Please provide	
Sose Owah	Time: 2:300m	Tamara A	Mulabox		
Relinquished By:	Date: Receive	ed By:		F-Ma. Results	
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition Cool Intact	(Initials)	Turnaround Time: Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C ∏Yes ☐ Yes
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Yes Yes	No.	Thermometer ID #113 #140 Correction Factor 0.6°C 70. 8/4/2	3 Nc No Corrected Temp. °C

Released to Imaging: 2/2/2024 10:11:30 AM

Page 30 of 31

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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Released to Imaging: 2/2/2024 10:11:30 AM

Bacteria (only) Sample Condition

Observed Temp. °C

Corrected Temp. °C

Cool Intact

Yes Yes
No No

Standard

Turnaround Time:

Thermometer ID #143 #140

101 East Marland, Hobbs, NM 88240

Observed Temp. °C

Corrected Temp. °C

	(575) 393-2326 FAX	(575) 393-2476					_						_				A N I A	VOIC	, DE	OUE	CT		
Company Name	MR LOIL								-	BIL	LL TO						ANA	LYSIS	KE	QUE	51		
Project Manage	r. B. Baker	* *					1	P.O.	#:						1								
Address:								Comp	pan	y:													
City: Hab	65	State: ON Z	p: §	35	240)	-	Attn:														-	
Phone #:		Fax #:					1	Addr	ess	:													
Project #: Project Owner:						City:																	
Project Name:						State):		Zip:														
Project Locatio	n: NEOLE 321 5051 QUE	3						Phon	ne#	:				~									
Sampler Name:	Jose Dus	le						Fax #	-		17		1							-			
FOR LAB USE ONLY					MA	ATRIX		PI	RES	ERV.	SAM	PLING			V				~				
Lab I.D. #234/70 21 22 23 23 24 25 26	Sample I.I. Sp/ Surface Sp2 Surface Sp3 Surface Sp4 Surface Sp5 Surface Sp6 Surface	D	1 1 1 1 1	GROUNDWATER	WASTEWATER		SLUDGE	OTHER:	I ICE / COOL /	OTHER:	DATE %4	TIME 9:20 9:32 9:24 9:24 9:24 9:24	12 1111	III RIES	ExTT								
analyses. All claims includes service. In no event shall of affiliates or successors are Relinquished E	Roch	use whatsoever shall be dee vental damages, including wi of services hereunder by Card Date: 64/123 Time: 2,330,000	med wa hout lim inal, reg Rece	ived unle	business of wheth By:	e in writi interrupi	ng and tions, lo	received ass of us	e, or le	oss of pr	ofits incurred by	client, its subsidiseasons or otherw Verbal Result	aries, vise. esult: ts are e	□ Ye	. Pleas		vide Er						
Relinquished E	sy:	Date: /	1606	iveu	IJγ.								5-	Mo	1/2	CSL	1/15						

CHECKED BY:

(Initials)

Sample Condition
Cool Intact
Yes Yes
No No No † Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

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

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 275211

CONDITIONS

Operator:	OGRID:
APACHE CORPORATION	873
303 Veterans Airpark Ln	Action Number:
Midland, TX 79705	275211
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

Created	Condition	Condition
Ву		Date
nvelez	Remediation plan is approved as written and with the following conditions; 1. Apache must submit the supporting documentation for its site characterization within its final remediation closure report. 2. Apache has until May 2, 2024 to submit to OCD its appropriate or final remediation closure report.	2/2/2024