



303 Veterans Airpark Lane Midland, TX 79705

Closure Report

May 16, 2023

Re: NEDU 706
Case nAPP2229848274

On 10/11/2022 a release occurred due to a stuffing box failed. The release (GPS: 32.4748688, -103.1523438) is located north of Eunice, New Mexico in unit letter N section 15 township 21S range 37E. A groundwater survey was conducted utilizing NMOSE wells of record. The nearest well suggest groundwater beneath the release to be 35 feet. A remediation plan was submitted an approved by OCD on 2/15/2023.

The release area was excavated to a depth ranging from 1 to 5 feet. On 3/3/2023 final 5-point bottom and wall samples were collected not to exceed 200 square feet. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Several samples indicated results above table one standards for chlorides and B11 indicated results above table one standards for TPH. Those areas were further excavated and on 3/13/2023 5-point composite samples were collected not to exceed 200 square feet. All samples collected were submitted to a commercial laboratory. B1 and B20 indicated results above table one standards for chlorides. B1 and B20 were further excavated and on 3/27/2023 5-point composite samples were collected not to exceed 200 square feet and submitted to a commercial laboratory for analysis of chloride. All excavated soil was hauled to an OCD approved disposal facility. Once laboratory analysis indicated all sample points were below table one standards for releases less than 50 feet to groundwater the excavation was backfilled with clean imported soil. The pasture area will be reseeded in consultation with the surface owner.

Apache Corporation has remediated the release to below table one standards and respectfully request closure of event nAPP2229848274.

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

Submitted by.

Larry Baker

Environmental Technician Sr. Staff

larry.baker@apachecorp.com

Cell# 432-250-8384

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Larry Baker Title: Environmental Tech Sr. Staff
 Signature: *Larry Baker* Date: 5/16/2023
 email: larry.baker@apachecorp.com Telephone: 432-818-1654

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: *Nelson Velez* Date: 08/03/2023
 Printed Name: Nelson Velez Title: Environmental Specialist – Adv

From: [Nobui, Jennifer, EMNRD](#)
To: [Baker, Larry](#)
Cc: [Bratcher, Michael, EMNRD](#); [Harimon, Jocelyn, EMNRD](#)
Subject: RE: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 180132
Date: Wednesday, March 1, 2023 10:35:07 AM

Hello Larry (Bruce)

Thank you for the notification. Please include a copy of this and all notifications in the remedial and/or closure reports to ensure the notifications are documented in the project file.

Thanks,
Jennifer Nobui

From: Baker, Larry <Larry.Baker@apachecorp.com>
Sent: Wednesday, March 1, 2023 9:33 AM
To: Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>
Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 180132

Ms. Nobui,

Apache Corporation will be conducting final sampling at the NEDU 726 (nAPP2229848274) on Friday March 3, 2023 at 10:00 am MST. Please let me know if you have any questions or wish to discuss. Thanks and have a good day.

BRUCE BAKER

ENVIRONMENTAL TECHNICIAN SR STAFF

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

APACHE CORPORATION

303 Veterans Airpark Lane
Midland, TX 79705

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

From: OCDOnline@state.nm.us <OCDOnline@state.nm.us>
Sent: Wednesday, February 15, 2023 2:01 PM
To: Baker, Larry <Larry.Baker@apachecorp.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 180132

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

The OCD has approved the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2229848274, with the following conditions:

- **Remediation Plan Approved. Composite confirmation samples will be collected from the bottom and sidewalls of the excavation from areas representing no more than two hundred (200) square feet.**

The signed C-141 can be found in the OCD Online: Imaging under the incident ID (n#).

If you have any questions regarding this application, please contact me.

Thank you,
Jennifer Nobui
Environmental Specialist-Advanced
505-470-3407
Jennifer.Nobui@emnrd.nm.gov

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

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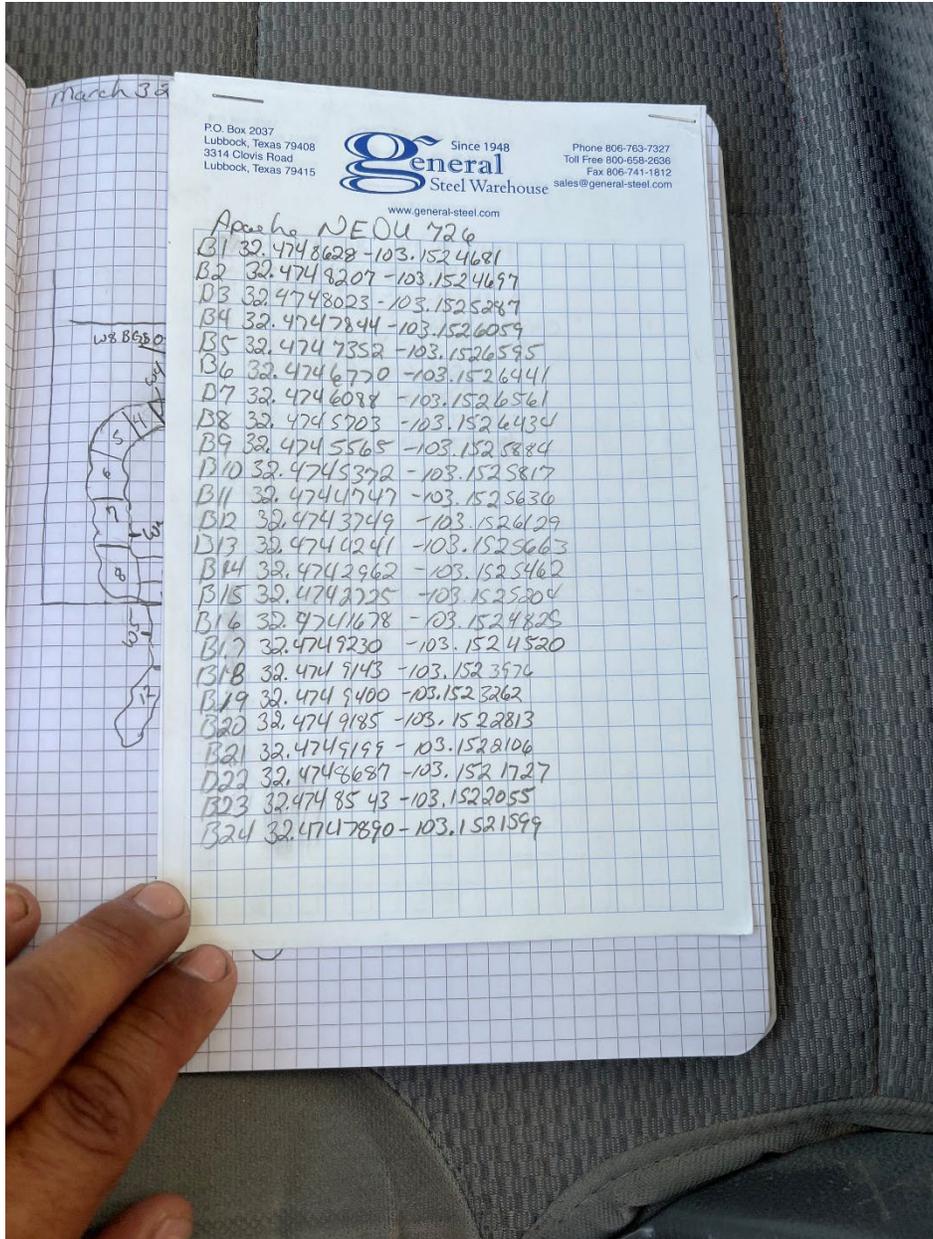
75 ft

Final Samples

Sample Date	Sample ID	Depth	Chloride Lab	Benzene	Toulene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO	GPS Coordinates
3/3/2023	B1	3'	880	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4748628, -103.1524681
3/13/2023	B1	4'	864									
3/27/2023	B1	5'	32									
3/3/2023	B2	2'	880	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4748207, -103.1524697
3/13/2023	B2	3'	368									
3/3/2023	B3	2'	656	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4748023, -103.1525287
3/13/2023	B3	2.5'	320									
3/3/2023	B4	1'	272	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4747844, -103.1526059
3/3/2023	B5	1'	272	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4747352, -103.1526595
3/3/2023	B6	1'	272	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4746770, -103.1526441
3/3/2023	B7	1'	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4746088, -103.1526561
3/3/2023	B8	1'	560	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4745703, -103.1526434
3/3/2023	B9	1'	416	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4745565, -103.1525884
3/3/2023	B10	1'	256	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4745372, -103.1525817
3/3/2023	B11	1'	480	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	102	14.7	32.4744747, -103.1525636
3/13/2023	B11	1.3'		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
3/3/2023	B12	1'	112	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	50.4	<10.0	32.4743749, -103.15256129
3/3/2023	B13	1'	304	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11	<10.0	32.4740241, -103.1525663

3/3/2023	B14	1'	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	45.6	<10.0	32.4742962, -103.1525462
3/3/2023	B15	2'	288	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	41.5	<10.0	32.4742725, -103.1525204
3/3/2023	B16	2'	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	12.2	<10.0	32.4741678, -103.1524825
3/3/2023	B17	2'	1720	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4749230, -103.1524520
3/13/2023	B17	3'	336									
3/3/2023	B18	2'	992	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4749143, -103.1523976
3/13/2023	B18	3'	432									
3/3/2023	B19	2'	1100	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21.9	<10.0	32.4749400, -103.1523262
3/13/2023	B19	3'	496									
3/3/2023	B20	2'	1200	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4749185, -103.1522813
3/13/2023	B20	3'	640									
3/27/2023	B20	3.5'	32									
3/3/2023	B21	2'	800	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4749199, -103.1522106
3/13/2023	B21	3'	272									
3/3/2023	B22	2'	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	29.3	<10.0	32.4748687, -103.1521727
3/3/2023	B23	2'	256	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.9	<10.0	32.4748543, -103.1522055
3/3/2023	B24	2'	384	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	49.4	<10.0	32.4747890, -103.1521599
3/3/2023	W1	0-2'	320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4748998, -103.1522609
3/3/2023	W2	0-2'	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.3	<10.0	32.4748498, -103.1521609
3/3/2023	W3	0-2'	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.9	<10.0	32.4749510, -103.1524305

3/3/2023	W4	0-3'	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4747893, -103.1525720
3/3/2023	W5	0-1'	144	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4744809, -103.1526119
3/3/2023	W6	0-1'	224	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	49.1	38.4	32.4742306, -103.1525344
3/3/2023	W7	0-1'	272	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4746108, -103.1526323
3/13/2023	W8	0-4'	80	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4748950, -103.1524597
3/13/2023	W9	0-3'	64	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.4748993, -103.1521542



March 31

P.O. Box 2037
 Lubbock, Texas 79408
 3314 Clovis Road
 Lubbock, Texas 79415

General Since 1948
 Steel Warehouse

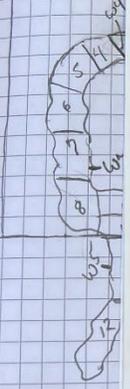
Phone 806-763-7327
 Toll Free 800-858-2636
 Fax 806-741-1812
 sales@general-steel.com

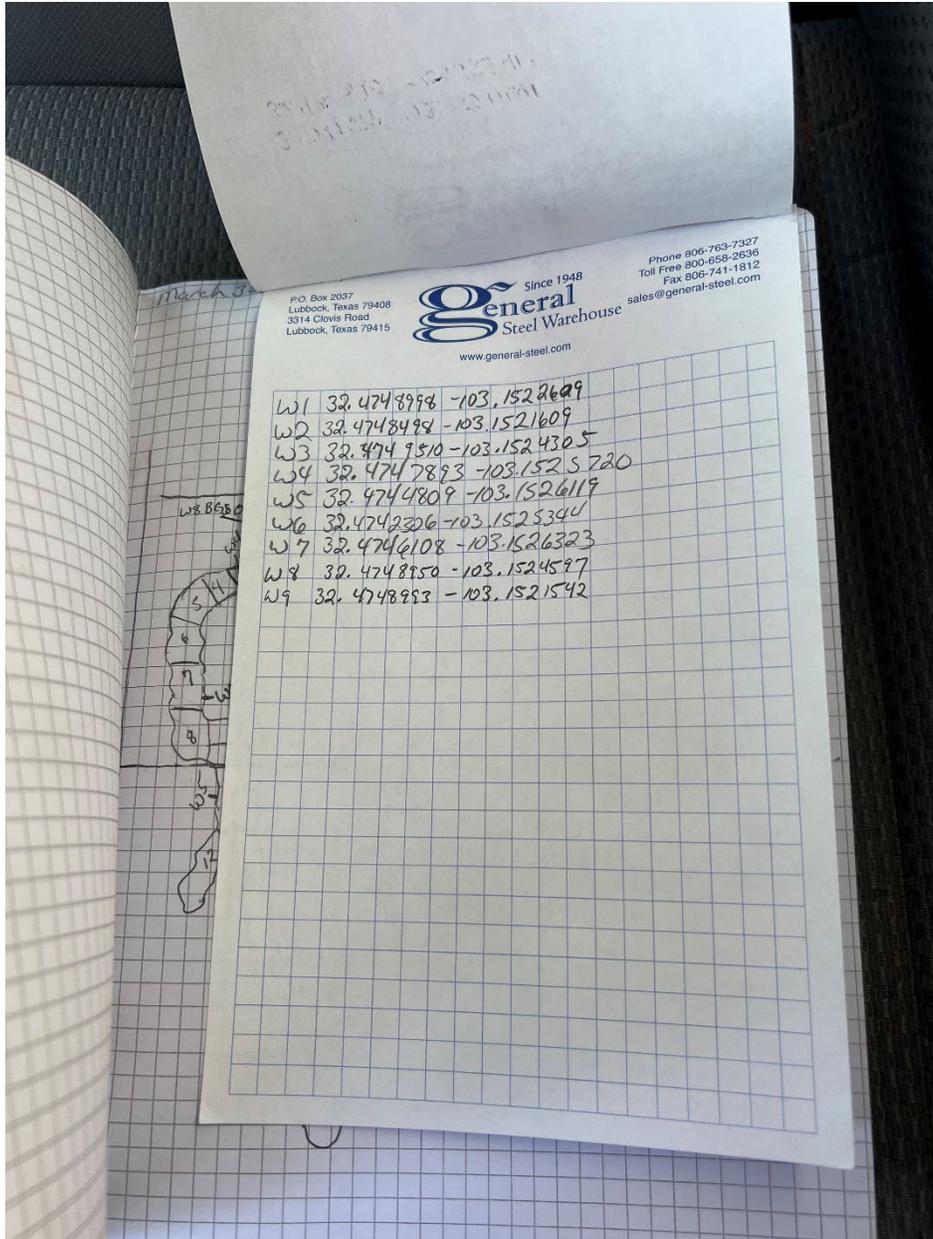
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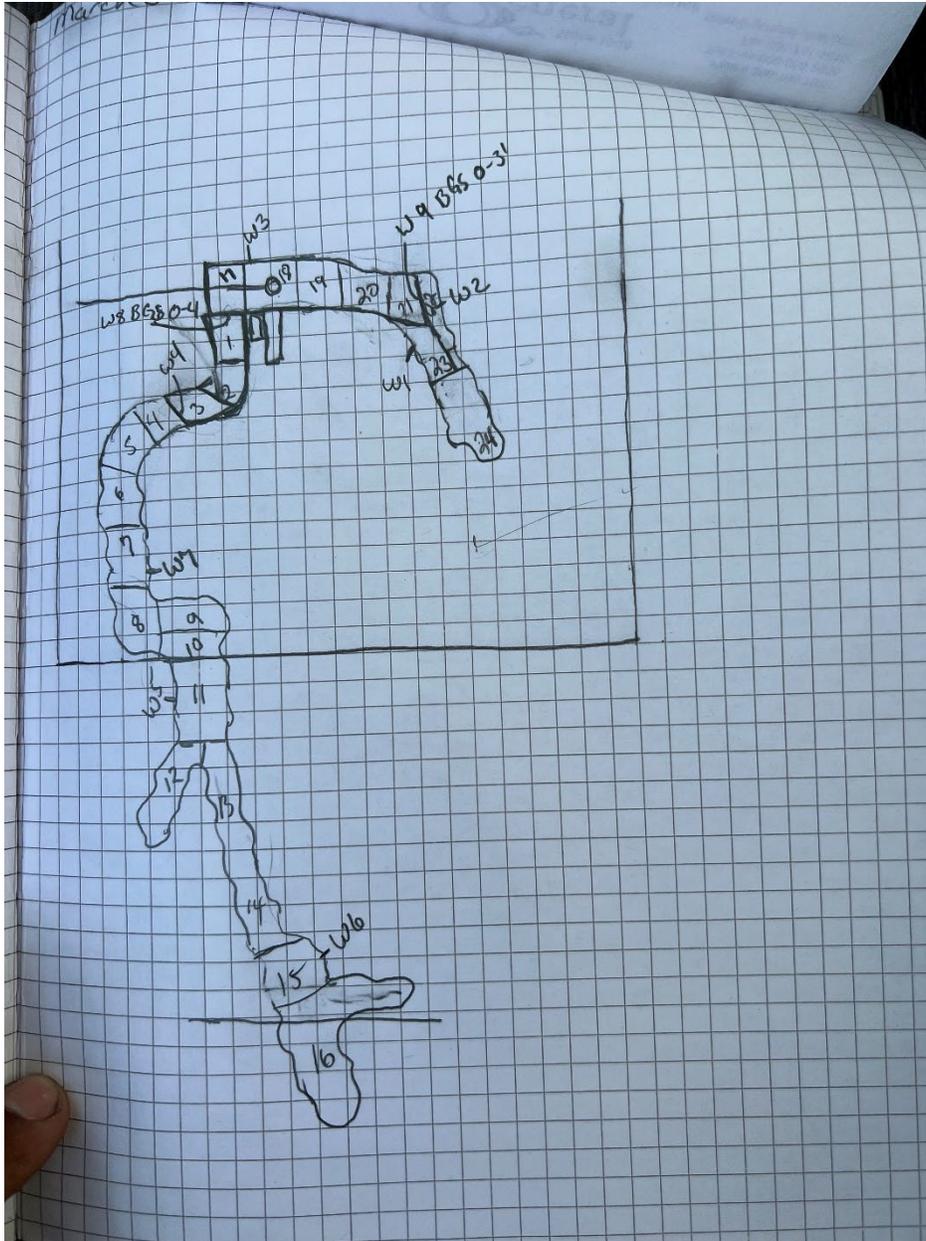
Apache NEOU 726

- B1 32.4748622 -103.1524681
- B2 32.4749207 -103.1524697
- D3 32.4748023 -103.1525287
- B4 32.4747844 -103.1526059
- B5 32.4747352 -103.1526595
- B6 32.4746770 -103.1526441
- D7 32.4746088 -103.1526561
- B8 32.4745703 -103.1526434
- B9 32.4745565 -103.1525884
- D10 32.4745352 -103.1525817
- B11 32.47441747 -103.1525630
- B12 32.4743749 -103.1526129
- D13 32.4740241 -103.1525663
- B14 32.4742962 -103.1525462
- B15 32.4742725 -103.1525204
- B16 32.4741678 -103.1524825
- B17 32.4749230 -103.1524520
- B18 32.4749143 -103.1523976
- B19 32.4749400 -103.1523262
- B20 32.4749185 -103.1522813
- B21 32.4749199 -103.1522106
- D22 32.4748687 -103.1521727
- B23 32.4748543 -103.1522055
- B24 32.4747890 -103.1521599

w8 B650









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

March 09, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU #726

Enclosed are the results of analyses for samples received by the laboratory on 03/03/23 16:52.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 19 @ 2' (H230993-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	1.93	96.7	2.00	1.94	
Toluene*	<0.050	0.050	03/06/2023	ND	2.10	105	2.00	1.26	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.32	116	2.00	1.67	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	7.19	120	6.00	3.43	
Total BTEX	<0.300	0.300	03/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1100	16.0	03/06/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	193	96.4	200	2.85	
DRO >C10-C28*	21.9	10.0	03/06/2023	ND	191	95.6	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 54.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 56.9 % 49.1-148

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 20 @ 2' (H230993-02)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	1.93	96.7	2.00	1.94	
Toluene*	<0.050	0.050	03/06/2023	ND	2.10	105	2.00	1.26	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.32	116	2.00	1.67	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	7.19	120	6.00	3.43	
Total BTEX	<0.300	0.300	03/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	03/06/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	193	96.4	200	2.85	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	191	95.6	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 59.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.4 % 49.1-148

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 21 @ 2' (H230993-03)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	1.93	96.7	2.00	1.94	
Toluene*	<0.050	0.050	03/06/2023	ND	2.10	105	2.00	1.26	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.32	116	2.00	1.67	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	7.19	120	6.00	3.43	
Total BTEX	<0.300	0.300	03/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	03/06/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	193	96.4	200	2.85	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	191	95.6	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 71.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 22 @ 2' (H230993-04)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	1.93	96.7	2.00	1.94	
Toluene*	<0.050	0.050	03/06/2023	ND	2.10	105	2.00	1.26	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.32	116	2.00	1.67	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	7.19	120	6.00	3.43	
Total BTEX	<0.300	0.300	03/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/06/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	193	96.4	200	2.85	
DRO >C10-C28*	29.3	10.0	03/06/2023	ND	191	95.6	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 76.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 23 @ 2' (H230993-05)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	1.93	96.7	2.00	1.94	
Toluene*	<0.050	0.050	03/06/2023	ND	2.10	105	2.00	1.26	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.32	116	2.00	1.67	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	7.19	120	6.00	3.43	
Total BTEX	<0.300	0.300	03/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/06/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	193	96.4	200	2.85	
DRO >C10-C28*	10.9	10.0	03/06/2023	ND	191	95.6	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 74.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 24 @ 2' (H230993-06)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	03/06/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	193	96.4	200	2.85	
DRO >C10-C28*	49.4	10.0	03/06/2023	ND	191	95.6	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 73.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: W 1 BGS 0-2' (H230993-07)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/06/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	193	96.4	200	2.85	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	191	95.6	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: W 2 BGS 0-2' (H230993-08)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/06/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	193	96.4	200	2.85	
DRO >C10-C28*	18.3	10.0	03/06/2023	ND	191	95.6	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: W 3 BGS 0-2' (H230993-09)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	193	96.4	200	2.85	
DRO >C10-C28*	16.9	10.0	03/06/2023	ND	191	95.6	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: W 4 BGS 0-3' (H230993-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72		
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57		
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65		
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890		
Total BTEX	<0.300	0.300	03/06/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	03/06/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	193	96.4	200	2.85		
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	191	95.6	200	2.63		
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND						

Surrogate: 1-Chlorooctane 74.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/03/2023
 Reported: 03/09/2023
 Project Name: NEDU #726
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/03/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: W 5 BGS 0-1' (H230993-11)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	183	91.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	165	82.7	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 75.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.4 % 49.1-148

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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: W 6 BGS 0-1' (H230993-12)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/08/2023	ND	183	91.7	200	8.86	
DRO >C10-C28*	49.1	10.0	03/08/2023	ND	165	82.7	200	13.1	
EXT DRO >C28-C36	38.4	10.0	03/08/2023	ND					

Surrogate: 1-Chlorooctane 52.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 58.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: W 7 BGS 0-1' (H230993-13)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	183	91.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	165	82.7	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 3 @ 2' (H230993-14)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	183	91.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	165	82.7	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 68.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 4 @ 1' (H230993-15)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	183	91.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	165	82.7	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 80.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 5 @ 1' (H230993-16)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	183	91.7	200	8.86	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	165	82.7	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 6 @ 1' (H230993-17)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.4	200	0.561	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	203	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 63.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 7 @ 1' (H230993-18)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.4	200	0.561	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	203	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 8 @ 1' (H230993-19)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.4	200	0.561	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	203	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 9 @ 1' (H230993-20)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.4	200	0.561	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	203	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 10 @ 1' (H230993-21)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.4	200	0.561	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	203	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 11 @ 1' (H230993-22)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.4	200	0.561	
DRO >C10-C28*	102	10.0	03/06/2023	ND	203	101	200	4.49	
EXT DRO >C28-C36	14.7	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 54.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 12 @ 1' (H230993-23)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.4	200	0.561	
DRO >C10-C28*	50.4	10.0	03/06/2023	ND	203	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 70.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 13 @ 1' (H230993-24)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.4	200	0.561	
DRO >C10-C28*	11.0	10.0	03/06/2023	ND	203	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 48.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 57.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 14 @ 1' (H230993-25)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	2.07	104	2.00	1.72	
Toluene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.00	100	2.00	1.65	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.10	102	6.00	0.890	
Total BTEX	<0.300	0.300	03/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.4	200	0.561	
DRO >C10-C28*	45.6	10.0	03/06/2023	ND	203	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 15 @ 2' (H230993-26)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	1.99	99.4	2.00	0.789	
Toluene*	<0.050	0.050	03/06/2023	ND	2.04	102	2.00	3.33	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	3.62	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.19	103	6.00	2.67	
Total BTEX	<0.300	0.300	03/06/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.4	200	0.561	
DRO >C10-C28*	41.5	10.0	03/06/2023	ND	203	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 16 @ 2' (H230993-27)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	1.99	99.4	2.00	0.789	
Toluene*	<0.050	0.050	03/06/2023	ND	2.04	102	2.00	3.33	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	3.62	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.19	103	6.00	2.67	
Total BTEX	<0.300	0.300	03/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.4	200	0.561	
DRO >C10-C28*	12.2	10.0	03/06/2023	ND	203	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 71.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 1 @ 3' (H230993-28)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	1.99	99.4	2.00	0.789	
Toluene*	<0.050	0.050	03/06/2023	ND	2.04	102	2.00	3.33	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	3.62	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.19	103	6.00	2.67	
Total BTEX	<0.300	0.300	03/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	03/06/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.4	200	0.561	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	203	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 2 @ 2' (H230993-29)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	1.99	99.4	2.00	0.789	
Toluene*	<0.050	0.050	03/06/2023	ND	2.04	102	2.00	3.33	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	3.62	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.19	103	6.00	2.67	
Total BTEX	<0.300	0.300	03/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	03/06/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.4	200	0.561	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	203	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 68.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 17 @ 2' (H230993-30)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	1.99	99.4	2.00	0.789	
Toluene*	<0.050	0.050	03/06/2023	ND	2.04	102	2.00	3.33	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	3.62	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.19	103	6.00	2.67	
Total BTEX	<0.300	0.300	03/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	03/06/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.4	200	0.561	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	203	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 77.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/03/2023	Sampling Date:	03/03/2023
Reported:	03/09/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	NONE GIVEN		

Sample ID: B 18 @ 2' (H230993-31)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/06/2023	ND	1.99	99.4	2.00	0.789	
Toluene*	<0.050	0.050	03/06/2023	ND	2.04	102	2.00	3.33	
Ethylbenzene*	<0.050	0.050	03/06/2023	ND	2.05	103	2.00	3.62	
Total Xylenes*	<0.150	0.150	03/06/2023	ND	6.19	103	6.00	2.67	
Total BTEX	<0.300	0.300	03/06/2023	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	03/06/2023	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/06/2023	ND	179	89.4	200	0.561	
DRO >C10-C28*	<10.0	10.0	03/06/2023	ND	203	101	200	4.49	
EXT DRO >C28-C36	<10.0	10.0	03/06/2023	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Apache
Project Manager: B. Baker
Address: Hobbs NM Zip: 88240
Project Location: NEDU #726
Sampler Name: Jose Cejeda
BILL TO ANALYSIS REQUEST
Matrix: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER
Preserv: ACID/BASE, ICE/COOL, OTHER
Sampling: DATE, TIME
Lab I.D.: H230993
Sample I.D.: B19-2', B20-2', D21-2', B22-2', B23-2', B24-2', W1 BGS0-2', W2 BGS0-2', W3 BGS0-2', W4 BGS0-3'

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.

Relinquished By: Jose Cejeda
Received By: Spadriqney
Date: 8/3/23
Time: 4:52
Verbal Result: Yes
All Results are emailed. Please provide Email address:
REMARKS: E-Mail Results
Delivered By: (Circle One)
Observed Temp. °C: 19.2
Corrected Temp. °C: 13.2
Sample Condition: Cool Intact
Checked By: (Initials)
Turnaround Time: Standard
Bacteria (only) Sample Condition: Cool Intact

FORM-006 R 3.1 06/04/20

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form containing company name (Apache), project manager (B. Baker), address (Hobbs, NM), and analysis request details. Includes a table for Lab I.D., Sample I.D., Matrix, and Sampling.

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 to the client for the analyses.

Form for Relinquished/Received By, Verbal Result, Remarks, and Turnaround Time. Includes fields for Date, Time, and Sample Condition.

FORM-006 R 3.1 06/04/20

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u>		BILL TO		ANALYSIS REQUEST							
Project Manager: <u>B. Baker</u>		P.O. #:									
Address:		Company:									
City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u>		Attn:									
Phone #: Fax #:		Address:									
Project #: Project Owner:		City:									
Project Name:		State: Zip:									
Project Location: <u>WFOU 724</u>		Phone #:									
Sampler Name: <u>Sose</u>		Fax #:									

FOR LAB USE ONLY		(G/RAB OR (C)OMP. # CONTAINERS	MATRIX					PRESERV.			SAMPLING		DATE	TIME	CL	BTEX	COT/TPH
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:						
<u>H236993</u>									<input checked="" type="checkbox"/>								
<u>21</u>	<u>B10 @ 1'</u>	<u>C</u>							<u>1</u>			<u>3/3</u>	<u>1:56</u>				
<u>22</u>	<u>B11 @ 1'</u>	<u>C</u>							<u>1</u>				<u>1:58</u>				
<u>23</u>	<u>B12 @ 1'</u>	<u>C</u>							<u>1</u>				<u>2:00</u>				
<u>24</u>	<u>B13 @ 1'</u>	<u>C</u>							<u>1</u>				<u>2:02</u>				
<u>25</u>	<u>B14 @ 1'</u>	<u>C</u>							<u>1</u>				<u>2:04</u>				
<u>26</u>	<u>B15 @ 2'</u>	<u>C</u>							<u>1</u>				<u>2:06</u>				
<u>27</u>	<u>B16 @ 2'</u>	<u>C</u>							<u>1</u>				<u>2:08</u>				
<u>28</u>	<u>B1 @ 3'</u>	<u>C</u>							<u>1</u>				<u>4:02</u>				
<u>29</u>	<u>B2 @ 2'</u>	<u>C</u>							<u>1</u>				<u>4:04</u>				
<u>30</u>	<u>B17 @ 2'</u>	<u>C</u>							<u>1</u>				<u>4:06</u>				

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Relinquished By: <u>Sose</u>	Date: <u>3/3/23</u>	Received By: <u>Blodriguey</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <u>19.2</u> Corrected Temp. °C <u>1.32</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	REMARKS: <u>E-Mail Results</u>
Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	Thermometer ID #113 Correction Factor None	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	Observed Temp. °C Corrected Temp. °C

FORM-006 R 3.1 06/04/20

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <i>Apache</i>		BILL TO		ANALYSIS REQUEST											
Project Manager: <i>B. Baker</i>		P.O. #:													
Address:		Company:													
City: <i>Hobbs</i> State: <i>NM</i> Zip: <i>88240</i>		Attn:													
Phone #: Fax #:		Address:													
Project #: Project Owner:		City:													
Project Name:		State: Zip:													
Project Location: <i>NEDU #724</i>		Phone #:													
Sampler Name: <i>Jose Deane</i>		Fax #:													

FOR LAB USE ONLY		(G)RAB OR (C)OMP. # CONTAINERS	MATRIX						PRESERV.		SAMPLING		DATE	TIME	CI	BTEX	LOT TPA
Lab I.D.	Sample I.D.		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:						
<i>H230993</i>	<i>31 B18e2'</i>	<i>C</i>							<input checked="" type="checkbox"/>			<i>3/3</i>	<i>4:08</i>	<i>1</i>	<i>1</i>	<i>1</i>	

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Relinquished By: <i>Jose Deane</i>	Date: <i>3/3/23</i> Time: <i>6:52</i>	Received By: <i>Stodkiewicz</i>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:
Delivered By: (Circle One)	Observed Temp. °C <i>1.9</i>	Sample Condition Cool Intact	REMARKS: <i>E-Mail Results</i>
Sampler - UPS - Bus - Other:	Corrected Temp. °C <i>1.32</i>	<input type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
		CHECKED BY: <i>SK</i> (Initials)	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
			Thermometer ID #113 Correction Factor None
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C

FORM-006 R 5.1 06/04/20

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

March 16, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU #726

Enclosed are the results of analyses for samples received by the laboratory on 03/13/23 16:45.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/13/2023	Sampling Date:	03/13/2023
Reported:	03/16/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 1 @ 4' (H231146-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	03/15/2023	ND	416	104	400	3.77	

Sample ID: B 2 @ 3' (H231146-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	03/15/2023	ND	416	104	400	3.77	

Sample ID: B 17 @ 3' (H231146-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	03/15/2023	ND	416	104	400	3.77	

Sample ID: B 18 @ 3' (H231146-04)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	03/15/2023	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/13/2023	Sampling Date:	03/13/2023
Reported:	03/16/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 19 @ 3' (H231146-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	03/15/2023	ND	416	104	400	3.77	

Sample ID: B 20 @ 3' (H231146-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	03/15/2023	ND	416	104	400	3.77	

Sample ID: B 21 @ 3' (H231146-07)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	03/15/2023	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/13/2023	Sampling Date:	03/13/2023
Reported:	03/16/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 11 @ 1'3" (H231146-08)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/15/2023	ND	2.19	109	2.00	4.48		
Toluene*	<0.050	0.050	03/15/2023	ND	2.14	107	2.00	2.78		
Ethylbenzene*	<0.050	0.050	03/15/2023	ND	2.17	108	2.00	3.52		
Total Xylenes*	<0.150	0.150	03/15/2023	ND	6.80	113	6.00	3.70		
Total BTEX	<0.300	0.300	03/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	165	82.7	200	1.43		
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.7	200	1.19		
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND						

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/13/2023	Sampling Date:	03/13/2023
Reported:	03/16/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W 8 BGS 0-4' (H231146-09)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2023	ND	2.19	109	2.00	4.48	
Toluene*	<0.050	0.050	03/15/2023	ND	2.14	107	2.00	2.78	
Ethylbenzene*	<0.050	0.050	03/15/2023	ND	2.17	108	2.00	3.52	
Total Xylenes*	<0.150	0.150	03/15/2023	ND	6.80	113	6.00	3.70	
Total BTEX	<0.300	0.300	03/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

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	03/15/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/14/2023	ND	165	82.7	200	1.43	
DRO >C10-C28*	<10.0	10.0	03/14/2023	ND	175	87.7	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	03/14/2023	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/13/2023	Sampling Date:	03/13/2023
Reported:	03/16/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: W 9 BGS 0-3' (H231146-10)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/15/2023	ND	2.19	109	2.00	4.48	
Toluene*	<0.050	0.050	03/15/2023	ND	2.14	107	2.00	2.78	
Ethylbenzene*	<0.050	0.050	03/15/2023	ND	2.17	108	2.00	3.52	
Total Xylenes*	<0.150	0.150	03/15/2023	ND	6.80	113	6.00	3.70	
Total BTEX	<0.300	0.300	03/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	03/15/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/15/2023	ND	165	82.7	200	1.43	
DRO >C10-C28*	<10.0	10.0	03/15/2023	ND	175	87.7	200	1.19	
EXT DRO >C28-C36	<10.0	10.0	03/15/2023	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/13/2023	Sampling Date:	03/13/2023
Reported:	03/16/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 3 @ 2'6" (H231146-11)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	03/15/2023	ND	416	104	400	3.77	

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Apache
Project Manager: B. Baker
Address:
City: Hobbs State: NM Zip: 88240
Phone #: Fax #:
Project #: Project Owner:
Project Name:
Project Location: NED u 726
Sampler Name: Jose Quevedo
BILL TO
ANALYSIS REQUEST

Table with columns: Lab I.D., Sample I.D., MATRIX (GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER), PRESERV. (ACID/BASE, ICE/COOL, OTHER), SAMPLING (DATE, TIME). Includes handwritten entries for samples 1-10.

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.

Relinquished By: Jose Quevedo
Received By: [Signature]
Date: 3/13/23
Time: 4:45 pm
Observed Temp. °C: 3.2
Corrected Temp. °C: 2.6
Sample Condition: Cool Intact
CHECKED BY: (Initials) J.O.
REMARKS: E-Mail Results

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Apache</u>		BILL TO		ANALYSIS REQUEST											
Project Manager: <u>E. Baker</u>		P.O. #:													
Address:		Company:													
City: <u>Hobbs</u>	State: <u>NM</u> Zip: <u>87240</u>	Attn:													
Phone #:	Fax #:	Address:													
Project #:	Project Owner:	City:													
Project Name:		State: Zip:													
Project Location: <u>NEO4 726</u>		Phone #:													
Sampler Name: <u>Jose Quevedo</u>		Fax #:													

FOR LAB USE ONLY		GIRAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	C
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :			
<u>H231146</u>	<u>B3e 2'6"</u>	<u>C</u>	<u>1</u>			<u>1</u>						<u>3/13</u>	<u>3:25</u>		

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

Relinquished By: <u>Jose Quevedo</u>	Date: <u>3/13/23</u>	Received By: <u>Jamara Aldate</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: <u>4:45pm</u>		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: <u>E-Mail Results</u>
	Time:		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <u>3.2</u> Corrected Temp. °C <u>2.6</u>	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> <input type="checkbox"/> No <input type="checkbox"/> No	CHECKED BY: (Initials) <u>YO</u>
		Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C
		Thermometer ID #113 Correction Factor None	

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



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

March 30, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: NEDU #726

Enclosed are the results of analyses for samples received by the laboratory on 03/27/23 16:17.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/27/2023	Sampling Date:	03/27/2023
Reported:	03/30/2023	Sampling Type:	Soil
Project Name:	NEDU #726	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

Sample ID: B 1 @ 5' (H231392-01)

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	03/28/2023	ND	432	108	400	3.64	

Sample ID: B 20 @ 3'6" (H231392-02)

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	03/28/2023	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager



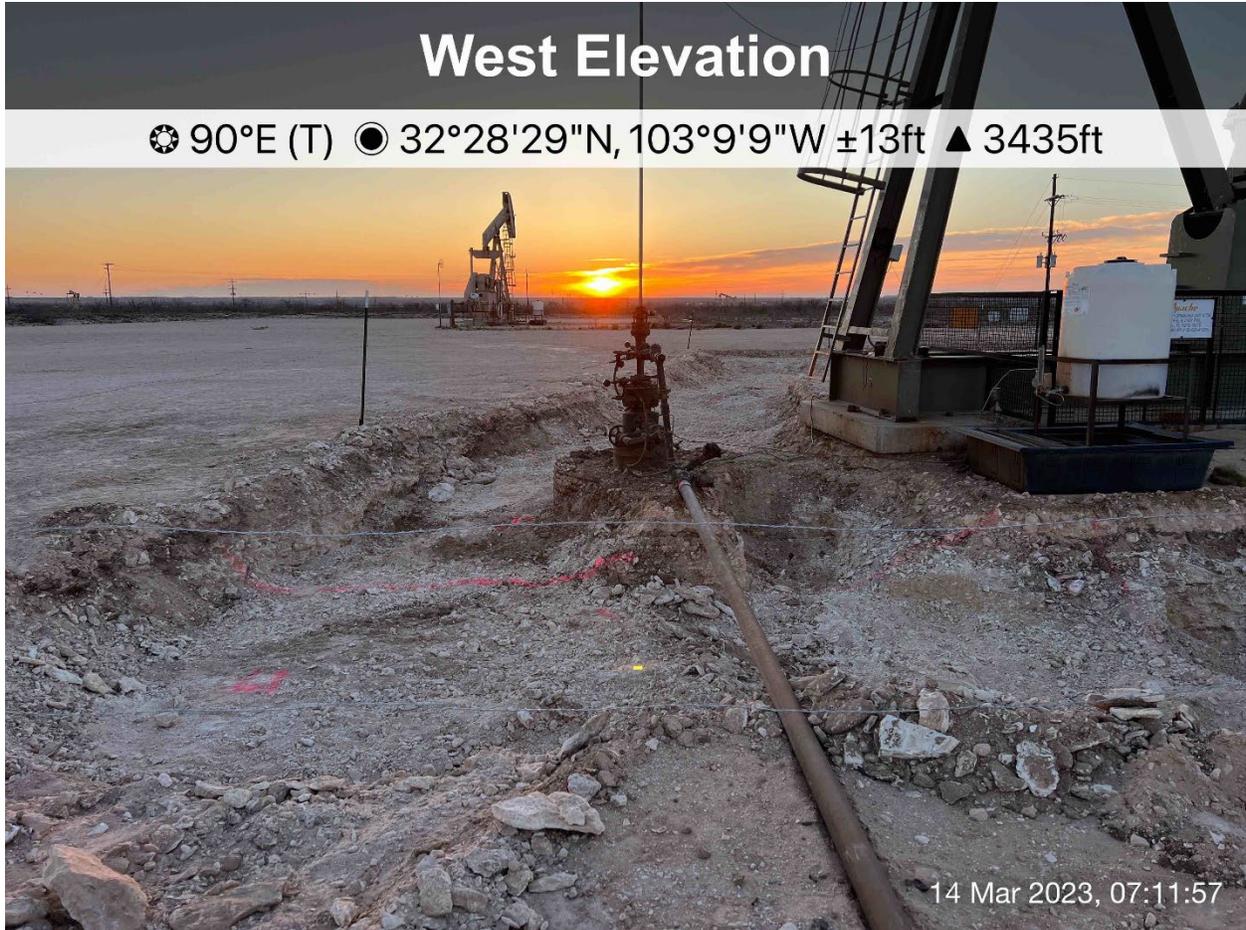
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Form with sections: BILL TO, ANALYSIS REQUEST, Lab I.D., Sample I.D., MATRIX, PRESERV., SAMPLING. Includes handwritten entries for company name (Apache), project manager (B. Baker), city (Hobbs), and sample locations (B1 @ 5', B200 @ 3'6").

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses.

Form with sections: Relinquished By, Received By, Verbal Result, REMARKS, Turnaround Time, Sample Condition, Checked By. Includes handwritten signatures and dates for sample handover.

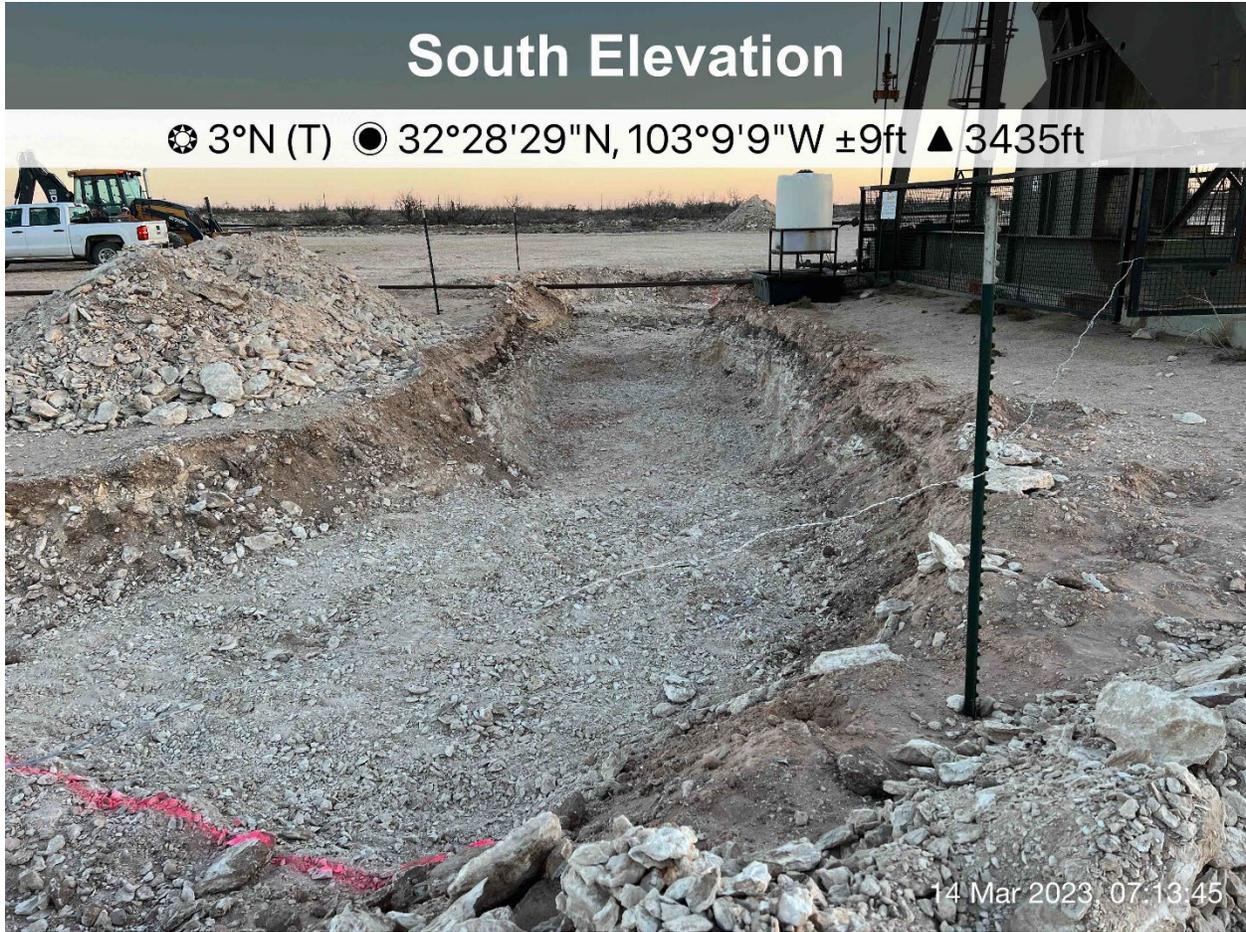


North West Elevation

☉ 154°SE (T) ● 32°28'29"N, 103°9'8"W ±9ft ▲ 3435ft







East Elevation

☉ 248°W (T) ☉ 32°28'29"N, 103°9'8"W ±13ft ▲ 3436ft



North Elevation

☉ 162°S (T) ☉ 32°28'27"N, 103°9'9"W ±9ft ▲ 3427ft



North Elevation

☉ 184°S (T) ● 32°28'29"N, 103°9'9"W ±9ft ▲ 3434ft



14 Mar 2023, 07:14:25

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 217182

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 217182
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
nvelez	None	8/3/2023