



303 Veterans Airpark Lane Midland, TX 79705

Deferment Request

October 24, 2023

Re: WBDU CTB
Case nAPP2302353335

On 1/6/2023 a release occurred due a dump valve failure resulting in a tank to overfill. The release (GPS: 32.3440925, -103.2259918) is located south of Eunice, New Mexico in unit letter D section 16 township 21S range 37E. A groundwater survey was conducted utilizing NMOSE wells of record and USGS well data from OCD GIS map. All documented wells in the vicinity of the release were 51-100 feet to groundwater with the nearest well at 70 feet. A plan was submitted and rejected by OCD due to depth of groundwater has not been adequately determined. Apache Corporation believes that the depth of groundwater is adequate but will remediate the release to table one standards for release less than 50 feet in lieu of drilling to determine depth of water. A remediation plan was submitted and approved by OCD on 8/31/2023.

The release area was excavated to depths of 6 inches to 2 feet. Final samples were collected in accordance with the OCD approved plan and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Laboratory results were below table one standards except for TPH at W3. W3 could not be further excavated due to the proximity of a building with a concrete slab. All excavated material was hauled to an OCD approved disposal facility. The excavation was backfilled with clean imported caliche to ground surface to restore the pad.

Apache Corporation has completed remediation for much of the release and request deferment for W3 until the building is removed or system abandonment.

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	NAPP2302353335
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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

Printed Name: Larry Baker Title: Environmental Specialist Sr.
Signature: Larry Baker Date: 10/24/2023
email: larry.baker@apachecorp.com Telephone: 432-250-8384

OCD Only

Received by: Shelly Wells Date: 10/24/2023

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

Signature: _____ Date: _____

From: [Baker, Larry](#)
To: Nelson.Velez@emnrd.nm.gov
Subject: FW: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 224655
Date: Wednesday, September 20, 2023 8:55:00 AM

Mr. Velez,

Apache Corporation will be collecting final samples on Friday 9/22/2023 at 8:00 am. Please let me know if you have any questions or wish to discuss. Thanks and have a good day.

BRUCE BAKER

ENVIRONMENTAL SPECILIST SR

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: Thursday, August 31, 2023 10:59 AM
To: Baker, Larry <Larry.Baker@apachecorp.com>
Subject: [EXTERNAL] The Oil Conservation Division (OCD) has approved the application, Application ID: 224655

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#) nAPP2302353335, with the following conditions:

- **Remediation plan approved as written. Apache has 60-days (October 30, 2023) to complete and submit the appropriate or final closure report.**

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,
Nelson Velez
Environmental Specialist - Advanced
505-469-6146
Nelson.Velez@emnrd.nm.gov

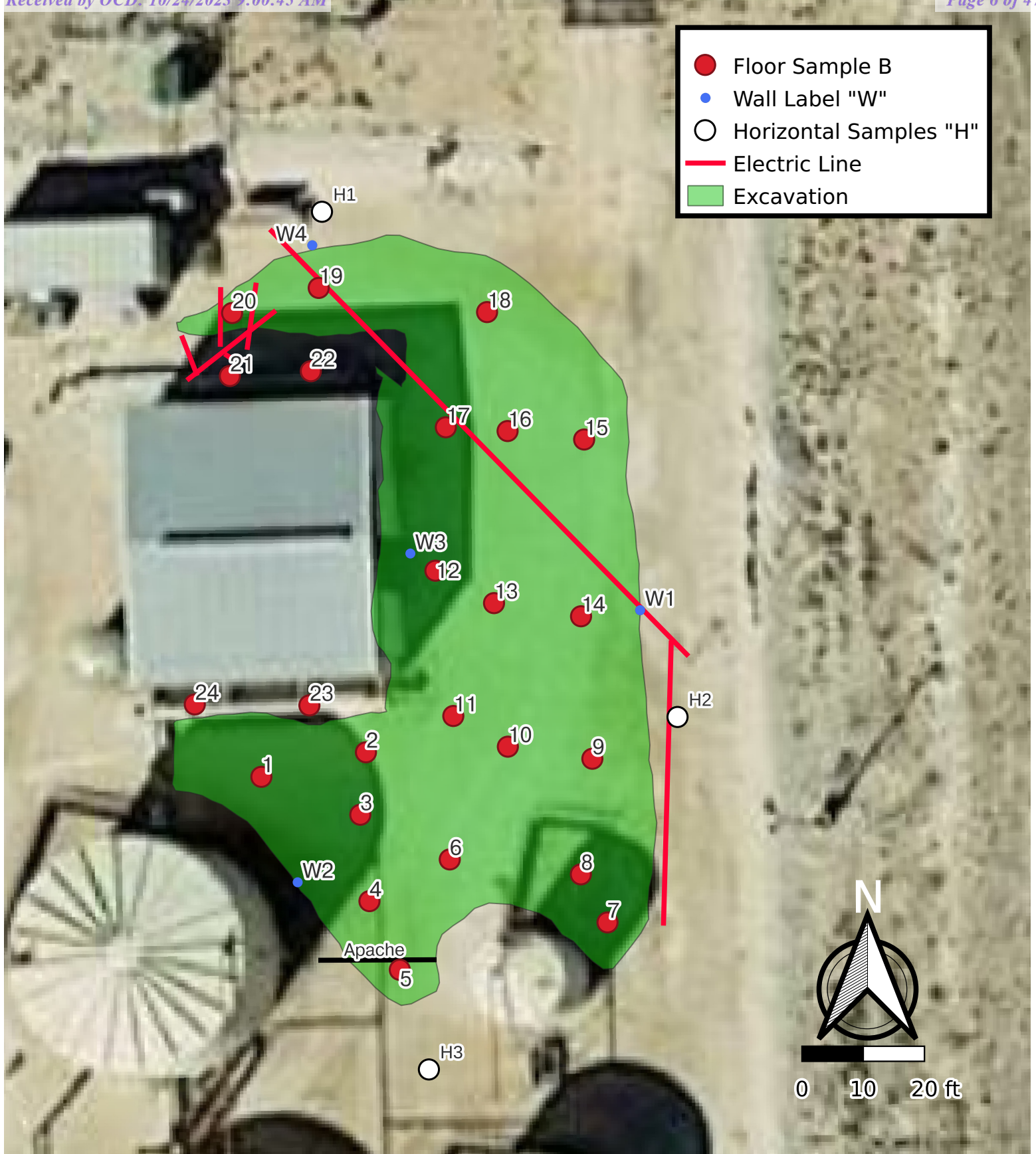
New Mexico Energy, Minerals and Natural Resources Department

1220 South St. Francis Drive
Santa Fe, NM 87505

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Walls "W"

WBDU CTB Wall Sample Summary														
SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE TYPE	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE
W1	H235188-01	0-2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
W2	H235188-02	0-2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
W3	H235188-03	0-2'	COMP	9/22/23	<0.050	<0.050	<0.050	0.271	<0.300	89.5	1150	227	1466.5	96
W4	H235188-04	0-2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64
WBDU CTB Floor Sample Summary														
SAMPLE ID	LAB ID NUMBER	SAMPLE DEPTH	SAMPLE TYPE	SAMPLE DATE	BENZENE	TOLUENE (mg/kg)	ETHYL-BENZENE (mg/kg)	TOTAL XYLENES (mg/kg)	TOTAL BTX (mg/kg)	GRO C6-C10 (mg/kg)	DRO C10-C28 (mg/kg)	EXT DRO C28-C36 (mg/kg)	TOTAL TPH C6-C36 (mg/kg)	CHLORIDE
B1	H235189-01	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
B2	H235189-02	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96
B3	H235189-03	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176
B4	H235189-04	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	304
B5	H235189-05	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	240
B6	H235189-06	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80
B7	H235189-07	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	80
B8	H235189-08	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
B9	H235189-09	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96
B10	H235189-10	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	30.5	<10.0	30.5	112
B11	H235189-11	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
B12	H235189-12	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
B13	H235189-13	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	160
B14	H235189-14	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	96
B15	H235189-15	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.4	<10.0	14.4	144
B16	H235189-16	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
B17	H235189-17	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
B18	H235189-18	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
B19	H235189-19	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.5	<10.0	14.5	96
B20	H235189-20	2'	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	28.3	<10.0	28.3	160
B21	H235189-21	6"	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	64
B22	H235189-22	6"	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	16
B23	H235189-23	6"	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	144
B24	H235189-24	6"	COMP	9/22/23	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	176



WBDU CTB

Sample Map

Sample Points

Sample Point	Longitude	Latitude	Depth	Date
1	-103.1725195	32.4850568333333	2'	2023/09/22 13:34:00.172
2	-103.172464	32.4850673333333	2'	2023/09/22 13:34:34.776
3	-103.172467333333	32.4850393333333	2'	2023/09/22 13:35:03.205
4	-103.172463	32.4850005	2'	2023/09/22 13:35:40.872
5	-103.172447342622	32.4849695396401	2'	2023/09/22 14:38:41.610
6	-103.172420237544	32.4850188291831	2'	2023/09/22 14:39:15.082
8	-103.172350918507	32.4850114922379	2'	2023/09/22 14:39:32.679
7	-103.172337085743	32.4849897951163	2'	2023/09/22 14:39:59.885
9	-103.172344166667	32.4850633333333	2'	2023/09/22 13:40:22.987
10	-103.172388333333	32.4850691666667	2'	2023/09/22 13:40:49.346
11	-103.172417532365	32.4850832062718	2'	2023/09/22 13:50:21.595
12	-103.172426166667	32.4851485	2'	2023/09/22 13:53:16.197
13	-103.172395333333	32.4851336666667	2'	2023/09/22 13:58:56.377
14	-103.172349333333	32.4851273333333	2'	2023/09/22 13:59:22.424
15	-103.172346666667	32.4852066666667	2'	2023/09/22 14:02:17.035
16	-103.172387166667	32.4852108333333	2'	2023/09/22 14:02:46.089
17	-103.172419833333	32.4852128333333	2'	2023/09/22 14:03:08.057
18	-103.172397333333	32.4852643333333	2'	2023/09/22 14:03:34.830
19	-103.172486333333	32.485276	2'	2023/09/22 14:04:13.339
20	-103.172532333333	32.4852651666667	2'	2023/09/22 14:05:25.399
21	-103.172533887059	32.4852369080258	6"	2023/09/25 05:59:13.065
22	-103.172490991276	32.4852386521567	6"	2023/09/25 05:59:13.066
23	-103.172493666667	32.4850886666667	6"	2023/09/22 14:09:59.331
24	-103.172554333333	32.4850896666667	6"	2023/09/22 14:10:38.195

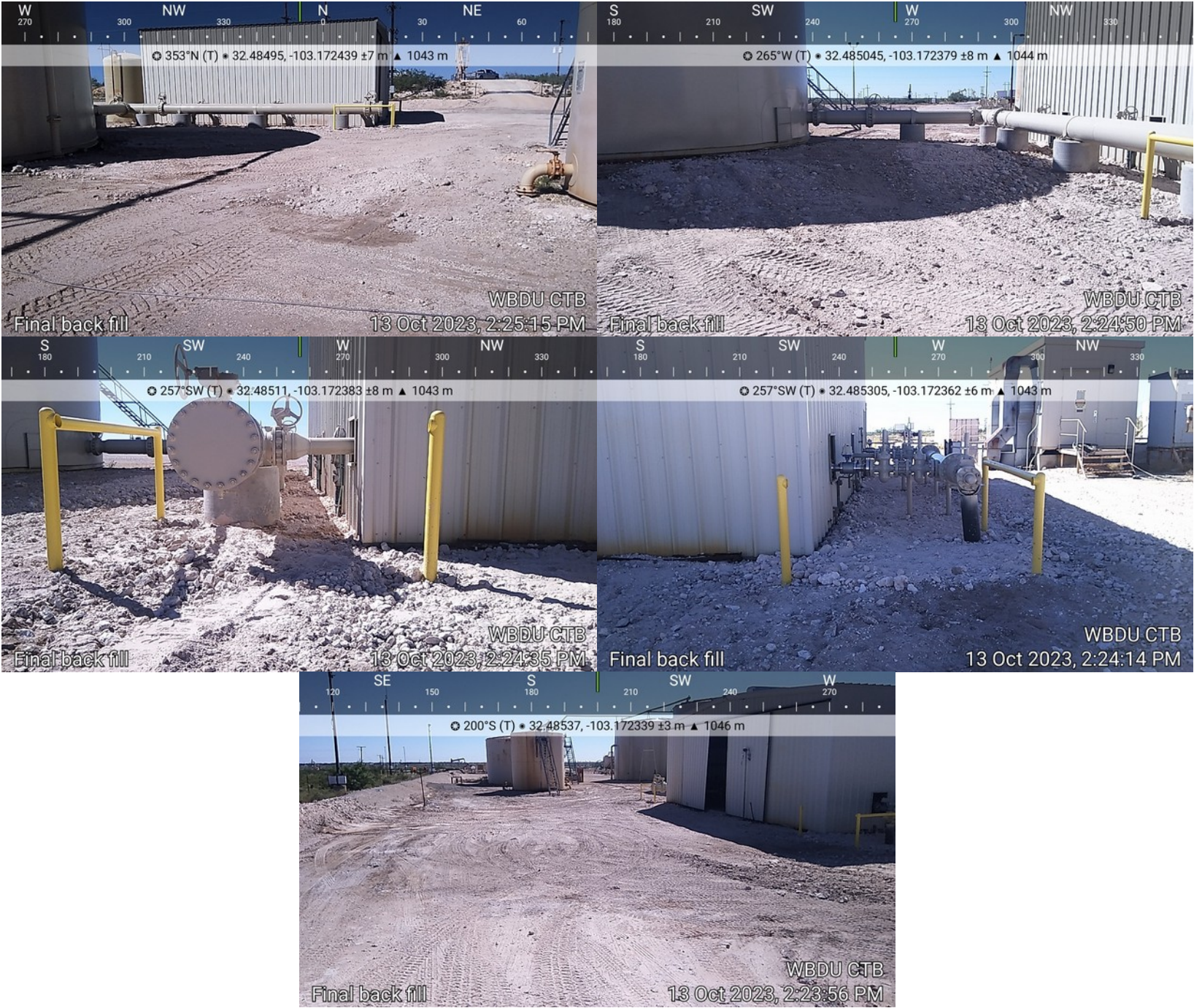
WBDU CTB
Final Excavation Photos



WBDU CTB
Final Excavation Photos



WBDU CTB
Final Backfill Photos





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

September 28, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: WBDU CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/22/23 16:29.

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". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: W1 BGS 0-2' (H235188-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	3.46	
Toluene*	<0.050	0.050	09/26/2023	ND	2.13	106	2.00	4.68	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.32	116	2.00	4.28	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.78	96.4	6.00	4.78	
Total BTEX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	176	16.0	09/25/2023	ND	432	108	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	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: W2 BGS 0-2' (H235188-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/27/2023	ND	2.02	101	2.00	3.46		
Toluene*	<0.050	0.050	09/27/2023	ND	2.13	106	2.00	4.68		
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	2.32	116	2.00	4.28		
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.78	96.4	6.00	4.78		
Total BTEx	<0.300	0.300	09/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	09/25/2023	ND	432	108	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	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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 whatsoever 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.

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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: W3 BGS 0-2' (H235188-03)

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	3.46	
Toluene*	<0.050	0.050	09/26/2023	ND	2.13	106	2.00	4.68	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.32	116	2.00	4.28	
Total Xylenes*	0.271	0.150	09/26/2023	ND	5.78	96.4	6.00	4.78	
Total BTX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 196 % 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	96.0	16.0	09/25/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	89.5	10.0	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	1150	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	227	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 152 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: W4 BGS 0-2' (H235188-04)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	3.46		
Toluene*	<0.050	0.050	09/26/2023	ND	2.13	106	2.00	4.68		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.32	116	2.00	4.28		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.78	96.4	6.00	4.78		
Total BTX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	64.0	16.0	09/25/2023	ND	432	108	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	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



Page 7 of 7

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



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

September 28, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: WBDU CTB

Enclosed are the results of analyses for samples received by the laboratory on 09/22/23 16:29.

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". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 1 @ 2' (H235189-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	3.46	
Toluene*	<0.050	0.050	09/26/2023	ND	2.13	106	2.00	4.68	
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.32	116	2.00	4.28	
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.78	96.4	6.00	4.78	
Total BTX	<0.300	0.300	09/26/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	128	16.0	09/25/2023	ND	464	116	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	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 2 @ 2' (H235189-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	3.46		
Toluene*	<0.050	0.050	09/26/2023	ND	2.13	106	2.00	4.68		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.32	116	2.00	4.28		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.78	96.4	6.00	4.78		
Total BTEX	<0.300	0.300	09/26/2023	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	96.0	16.0	09/25/2023	ND	464	116	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	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 3 @ 2' (H235189-03)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/27/2023	ND	2.02	101	2.00	3.46		
Toluene*	<0.050	0.050	09/27/2023	ND	2.13	106	2.00	4.68		
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	2.32	116	2.00	4.28		
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.78	96.4	6.00	4.78		
Total BTX	<0.300	0.300	09/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	176	16.0	09/25/2023	ND	464	116	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	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 4 @ 2' (H235189-04)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	3.46		
Toluene*	<0.050	0.050	09/26/2023	ND	2.13	106	2.00	4.68		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.32	116	2.00	4.28		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.78	96.4	6.00	4.78		
Total BTEX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	304	16.0	09/25/2023	ND	464	116	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	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 5 @ 2' (H235189-05)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/26/2023	ND	2.02	101	2.00	3.46		
Toluene*	<0.050	0.050	09/26/2023	ND	2.13	106	2.00	4.68		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	2.32	116	2.00	4.28		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.78	96.4	6.00	4.78		
Total BTEX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	09/25/2023	ND	464	116	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	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 6 @ 2' (H235189-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/27/2023	ND	2.02	101	2.00	3.46		
Toluene*	<0.050	0.050	09/27/2023	ND	2.13	106	2.00	4.68		
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	2.32	116	2.00	4.28		
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.78	96.4	6.00	4.78		
Total BTEX	<0.300	0.300	09/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	80.0	16.0	09/25/2023	ND	464	116	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	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 7 @ 2' (H235189-07)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/27/2023	ND	2.02	101	2.00	3.46		
Toluene*	<0.050	0.050	09/27/2023	ND	2.13	106	2.00	4.68		
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	2.32	116	2.00	4.28		
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.78	96.4	6.00	4.78		
Total BTEx	<0.300	0.300	09/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	80.0	16.0	09/25/2023	ND	464	116	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	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 8 @ 2' (H235189-08)

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	09/27/2023	ND	1.77	88.5	2.00	1.92		
Toluene*	<0.050	0.050	09/27/2023	ND	1.82	90.8	2.00	1.94		
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	1.94	97.1	2.00	3.08		
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.79	96.5	6.00	3.81		
Total BTEX	<0.300	0.300	09/27/2023	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	112	16.0	09/25/2023	ND	464	116	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	09/25/2023	ND	227	113	200	7.02	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	224	112	200	5.99	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 9 @ 2' (H235189-09)

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	09/27/2023	ND	1.77	88.5	2.00	1.92		
Toluene*	<0.050	0.050	09/27/2023	ND	1.82	90.8	2.00	1.94		
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	1.94	97.1	2.00	3.08		
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.79	96.5	6.00	3.81		
Total BTEx	<0.300	0.300	09/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	96.0	16.0	09/25/2023	ND	464	116	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	09/25/2023	ND	206	103	200	3.90	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	202	101	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 10 @ 2' (H235189-10)

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	09/26/2023	ND	1.77	88.5	2.00	1.92		
Toluene*	<0.050	0.050	09/26/2023	ND	1.82	90.8	2.00	1.94		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.1	2.00	3.08		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.79	96.5	6.00	3.81		
Total BTEX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	112	16.0	09/25/2023	ND	464	116	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	09/25/2023	ND	206	103	200	3.90	
DRO >C10-C28*	30.5	10.0	09/25/2023	ND	202	101	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 11 @ 2' (H235189-11)

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	09/27/2023	ND	1.77	88.5	2.00	1.92		
Toluene*	<0.050	0.050	09/27/2023	ND	1.82	90.8	2.00	1.94		
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	1.94	97.1	2.00	3.08		
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.79	96.5	6.00	3.81		
Total BTEX	<0.300	0.300	09/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	112	16.0	09/25/2023	ND	464	116	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	09/25/2023	ND	206	103	200	3.90	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	202	101	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 12 @ 2' (H235189-12)

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	09/27/2023	ND	1.77	88.5	2.00	1.92		
Toluene*	<0.050	0.050	09/27/2023	ND	1.82	90.8	2.00	1.94		
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	1.94	97.1	2.00	3.08		
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.79	96.5	6.00	3.81		
Total BTEX	<0.300	0.300	09/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	112	16.0	09/25/2023	ND	448	112	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	09/25/2023	ND	206	103	200	3.90	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	202	101	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 96.5 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 13 @ 2' (H235189-13)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/27/2023	ND	1.77	88.5	2.00	1.92		
Toluene*	<0.050	0.050	09/27/2023	ND	1.82	90.8	2.00	1.94		
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	1.94	97.1	2.00	3.08		
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.79	96.5	6.00	3.81		
Total BTX	<0.300	0.300	09/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	09/25/2023	ND	448	112	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	09/25/2023	ND	206	103	200	3.90	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	202	101	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 14 @ 2' (H235189-14)

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	09/27/2023	ND	1.77	88.5	2.00	1.92		
Toluene*	<0.050	0.050	09/27/2023	ND	1.82	90.8	2.00	1.94		
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	1.94	97.1	2.00	3.08		
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.79	96.5	6.00	3.81		
Total BTEX	<0.300	0.300	09/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	96.0	16.0	09/25/2023	ND	448	112	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	09/25/2023	ND	206	103	200	3.90	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	202	101	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 15 @ 2' (H235189-15)

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	09/27/2023	ND	1.77	88.5	2.00	1.92		
Toluene*	<0.050	0.050	09/27/2023	ND	1.82	90.8	2.00	1.94		
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	1.94	97.1	2.00	3.08		
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.79	96.5	6.00	3.81		
Total BTEX	<0.300	0.300	09/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	09/25/2023	ND	448	112	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	09/26/2023	ND	206	103	200	3.90	
DRO >C10-C28*	14.4	10.0	09/26/2023	ND	202	101	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 16 @ 2' (H235189-16)

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	09/27/2023	ND	1.77	88.5	2.00	1.92		
Toluene*	<0.050	0.050	09/27/2023	ND	1.82	90.8	2.00	1.94		
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	1.94	97.1	2.00	3.08		
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.79	96.5	6.00	3.81		
Total BTEX	<0.300	0.300	09/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	09/25/2023	ND	448	112	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	09/25/2023	ND	206	103	200	3.90	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	202	101	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 17 @ 2' (H235189-17)

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	09/27/2023	ND	1.77	88.5	2.00	1.92	
Toluene*	<0.050	0.050	09/27/2023	ND	1.82	90.8	2.00	1.94	
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	1.94	97.1	2.00	3.08	
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.79	96.5	6.00	3.81	
Total BTEX	<0.300	0.300	09/27/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	128	16.0	09/25/2023	ND	448	112	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	09/25/2023	ND	206	103	200	3.90	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	202	101	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 18 @ 2' (H235189-18)

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	09/27/2023	ND	1.77	88.5	2.00	1.92		
Toluene*	<0.050	0.050	09/27/2023	ND	1.82	90.8	2.00	1.94		
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	1.94	97.1	2.00	3.08		
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.79	96.5	6.00	3.81		
Total BTEX	<0.300	0.300	09/27/2023	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	112	16.0	09/25/2023	ND	448	112	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	09/26/2023	ND	206	103	200	3.90	
DRO >C10-C28*	<10.0	10.0	09/26/2023	ND	202	101	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 19 @ 2' (H235189-19)

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	09/26/2023	ND	1.77	88.5	2.00	1.92		
Toluene*	<0.050	0.050	09/26/2023	ND	1.82	90.8	2.00	1.94		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.1	2.00	3.08		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.79	96.5	6.00	3.81		
Total BTEX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	96.0	16.0	09/25/2023	ND	448	112	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	09/26/2023	ND	206	103	200	3.90	
DRO >C10-C28*	14.8	10.0	09/26/2023	ND	202	101	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/26/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 20 @ 2' (H235189-20)

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	09/26/2023	ND	1.77	88.5	2.00	1.92		
Toluene*	<0.050	0.050	09/26/2023	ND	1.82	90.8	2.00	1.94		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.1	2.00	3.08		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.79	96.5	6.00	3.81		
Total BTEX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	09/25/2023	ND	448	112	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	09/25/2023	ND	206	103	200	3.90	
DRO >C10-C28*	28.3	10.0	09/25/2023	ND	202	101	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 21 @ 6" (H235189-21)

BTX 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	09/26/2023	ND	1.77	88.5	2.00	1.92		
Toluene*	<0.050	0.050	09/26/2023	ND	1.82	90.8	2.00	1.94		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.1	2.00	3.08		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.79	96.5	6.00	3.81		
Total BTX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	64.0	16.0	09/25/2023	ND	448	112	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	09/25/2023	ND	206	103	200	3.90	QM-07
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	202	101	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 22 @ 6" (H235189-22)

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	09/26/2023	ND	1.77	88.5	2.00	1.92		
Toluene*	<0.050	0.050	09/26/2023	ND	1.82	90.8	2.00	1.94		
Ethylbenzene*	<0.050	0.050	09/26/2023	ND	1.94	97.1	2.00	3.08		
Total Xylenes*	<0.150	0.150	09/26/2023	ND	5.79	96.5	6.00	3.81		
Total BTEX	<0.300	0.300	09/26/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	16.0	16.0	09/25/2023	ND	448	112	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	09/25/2023	ND	206	103	200	3.90	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	202	101	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 23 @ 6" (H235189-23)

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	09/27/2023	ND	1.77	88.5	2.00	1.92		
Toluene*	<0.050	0.050	09/27/2023	ND	1.82	90.8	2.00	1.94		
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	1.94	97.1	2.00	3.08		
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.79	96.5	6.00	3.81		
Total BTEX	<0.300	0.300	09/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	09/25/2023	ND	448	112	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	09/25/2023	ND	206	103	200	3.90	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	202	101	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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: 09/22/2023
 Reported: 09/28/2023
 Project Name: WBDU CTB
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 09/22/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 24 @ 6" (H235189-24)

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	09/27/2023	ND	1.77	88.5	2.00	1.92		
Toluene*	<0.050	0.050	09/27/2023	ND	1.82	90.8	2.00	1.94		
Ethylbenzene*	<0.050	0.050	09/27/2023	ND	1.94	97.1	2.00	3.08		
Total Xylenes*	<0.150	0.150	09/27/2023	ND	5.79	96.5	6.00	3.81		
Total BTEX	<0.300	0.300	09/27/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	176	16.0	09/25/2023	ND	448	112	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	09/25/2023	ND	206	103	200	3.90	
DRO >C10-C28*	<10.0	10.0	09/25/2023	ND	202	101	200	2.42	
EXT DRO >C28-C36	<10.0	10.0	09/25/2023	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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[illegible]



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apache</u> Project Manager: <u>B. Baker</u>				P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:			
Address: City: <u>Hobbs</u> State: <u>NM</u> Zip: <u>88240</u> Phone #: Fax #:				Project Name: Project Location: <u>Lab 3 Div CTB</u> Sample Name: <u>Soil</u>			
FOR LAB USE ONLY				Matrix: <input checked="" type="checkbox"/> (G) RAB OR (C) OMP <input type="checkbox"/> # CONTAINERS <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER:			
Lab I.D. <u>H235159</u>				Sample I.D.			
01 B2106" 02 B2206" 03 B2306" 04 B2406"				DATE TIME 9/12 11:56 11:58 12:00 12:02			
(G) RAB OR (C) OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:			
DATE TIME 9/12 11:56 11:58 12:00 12:02				ANALYSIS REQUEST			

Delivered By: (Circle One) UPS - Bus - Other:		Observed Temp. °C: <u>0.6</u> Corrected Temp. °C:		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		CHECKED BY: (Initials) <u>OA</u>	
Turnaround Time: <u>5-Min 1 Post</u>		Standard: <input checked="" type="checkbox"/> <u>Rush</u>		Bacteria (only): <input type="checkbox"/> <u>Sample Condition</u> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>		Observed Temp. °C: Corrected Temp. °C:	

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

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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 278707

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 278707
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	Area around building represented by sample ID W3 is approved for deferral. Site will need to be remediated and then reclaimed at time of a major facility deconstruction or at plugging and abandonment, whichever comes first.	2/13/2024