



303 Veterans Airpark Lane Midland, TX 79705

Closure Report

March 27, 2024

Re: WBDU 110
Case nAPP2400824944

On 12/26/2023 a release occurred due to stuffing box failure. The release area (GPS: 32.50102, -103.16052) is located north of Eunice, New Mexico in unit letter P section 4 township 21S range 37E. A groundwater search was conducted utilizing data from NMOSE, USGS, and direct measure from a SB (32.49932, -103.15306) conducted in 2021. The nearest well suggest that groundwater beneath the release is 58 feet.

The release on the lease pad (11,600 ft²) was lightly scraped to remove the oil stain. The pasture area (400 ft²) was excavated to a depth of 1 foot. All excavated material (72 yards) was hauled to an OCD approved disposal facility. 5-point bottom and wall composites 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. The area on the lease pad was backfilled with clean imported caliche to restore the pad. The pasture area was backfilled with clean imported topsoil to ground surface and contoured to the surrounding area. The pasture area was reseeded in consultation with the surface landowner.

Apache Corporation has completed remediation to table one standards for releases 51-100 feet to groundwater and reclaimed the pasture in accordance with 19.15.29 NMAC. Apache respectfully request closure of event nAPP2400824944.

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

Submitted by.

Larry Baker

Environmental Specialist Sr.
larry.baker@apachecorp.com
Cell# 432-250-8384

Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>58</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

Incident ID	
District RP	
Facility ID	
Application ID	

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: 3/28/2024
email: larry.baker@apachecorp.com Telephone: 432-250-8384

OCD Only

Received by: _____ Date: _____

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 Specialist Sr.

Signature: Larry Baker

Date: 3/28/2024

email: larry.baker@apachecorp.com

Telephone: 432-250-8384

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: _____ Date: _____


Printed Name: _____


Title: _____

Groundwater Map

Legend

 WBDU 110

 WBDU 110

 USGS Well

Google Earth

1000 ft



National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

New Mexico

GO

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for New Mexico

Click to hide state-specific text

Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs

site_no list =

- 322937103094501

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 322937103094501 21S.37E.09.241211

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico
Hydrologic Unit Code 13070007
Latitude 32°29'49", Longitude 103°09'45" NAD27
Land-surface elevation 3,466.60 feet above NGVD29
The depth of the well is 90 feet below land surface.
This well is completed in the Pecos River Basin alluvial aquifer (N100PCSRVR) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

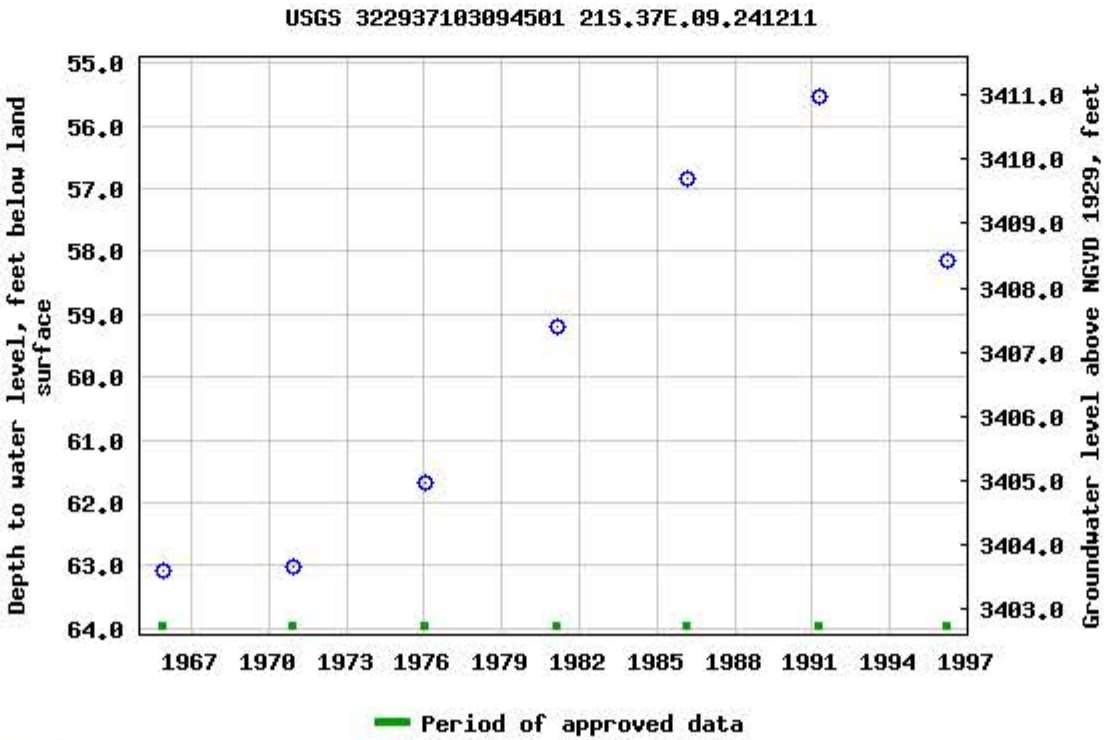
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

BORING RECORD

GEOLOGIC UNIT	DEPTH	Start: 13:55 Finish: 16:30 DESCRIPTION LITHOLOGIC	DESCRIPTION USCS	GRAPHIC LOG	PID READING										SAMPLE			REMARKS		
					PPM X _____										NUMBER	PID READING	RECOVERY	DEPTH	BACKGROUND PID READING	
					2	4	6	8	10	12	14	16	18							
08/21/20 Water Level 60.1'	0	Fine Sand, 2.5 Yr 4/8, Red, Subrounded, Well Sorted	SW																1	
	5																	5		
	10																	10		
	15	Caliche, 7.5 Yr 8/3, Pink to White	Caliche															15		
	20																20			
	25																25			
	30																30			
	35	Fine Sand, 7.5 Yr 6/4, Light Brown, Subrounded, Well Sorted	SW															35		
	40																40			
	45																45			
	50	Fine Sand, 7.5 Yr 6/6, Reddish Yellow, Subrounded, Well Sorted	SW															50		
	55																55			
	60																60			
	65	Fine to Medium Sand, 2.5 Yr 5/8, Red, Well Rounded	SW															65		
70																70				
75																75				
		Fine to Medium Sand, 2.5 Yr 5/8, Red, Well Rounded, Small Clast, 0-7 mm	SW																	
		Total Depth: 70'																		

☐ ONE CONTINUOUS AUGER SAMPLER WATER TABLE (TIME OF BORING)

☐ STANDARD PENETRATION TEST L LABORATORY TEST LOCATION

☐ UNDISTURBED SAMPLE + PENETROMETER (TONS/ SQ. FT)

WATER TABLE (24 HRS) NR NO RECOVERY

JOB NUMBER : Apache/20-0101-03

HOLE DIAMETER : 4"

LOCATION : NEDU Injection Line

LAI GEOLOGIST : D. St. Germain

DRILLING CONTRACTOR : SDC

DRILLING METHOD : Air Rotary

Larson & Associates, Inc.
Environmental Consultants

DRILL DATE : 08-18-2020

BORING NUMBER : BH-1



About Content Legend

Legend

NFHL

Cross-Sections

Flood Hazard Zones

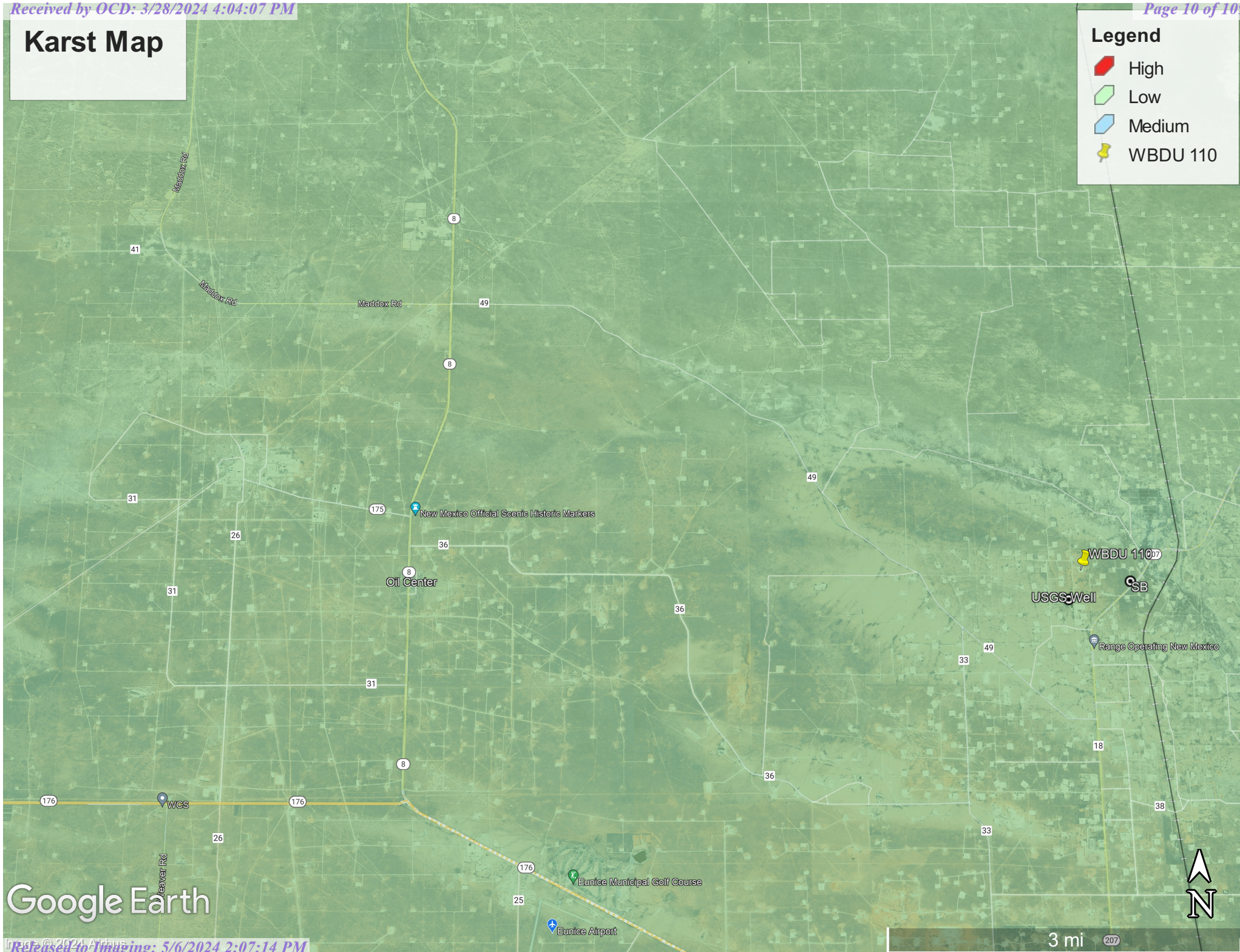
- 1% Annual Chance Flood Hazard
- Regulatory Floodway
- Special Floodway
- Area of Undetermined Flood Hazard
- 0.2% Annual Chance Flood Hazard
- Future Conditions 1% Annual Chance Flood Hazard
- Area with Reduced Risk Due to Levee
- Area with Risk Due to Levee

Released to Imaging: 5/6/2024 2:07:14 PM



Karst Map



- Legend**
- High
 - Low
 - Medium
 - WBDU 110

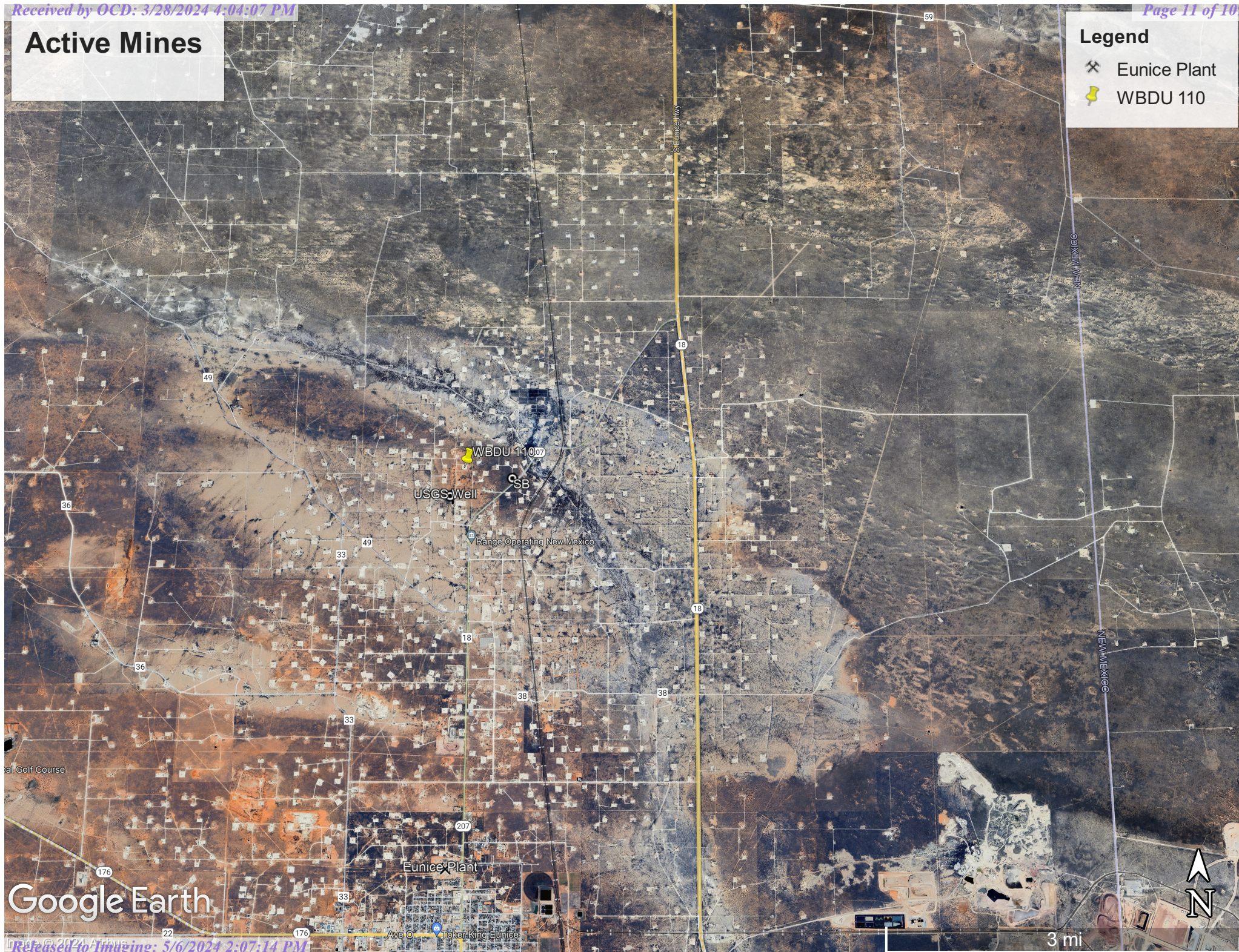


Google Earth

Active Mines

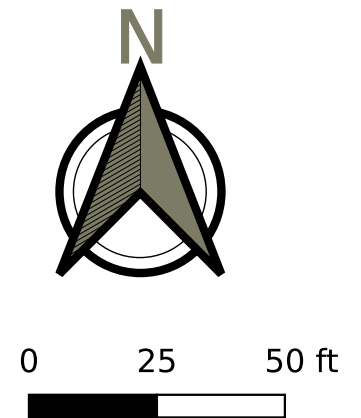
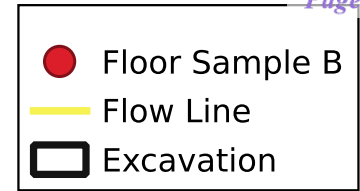
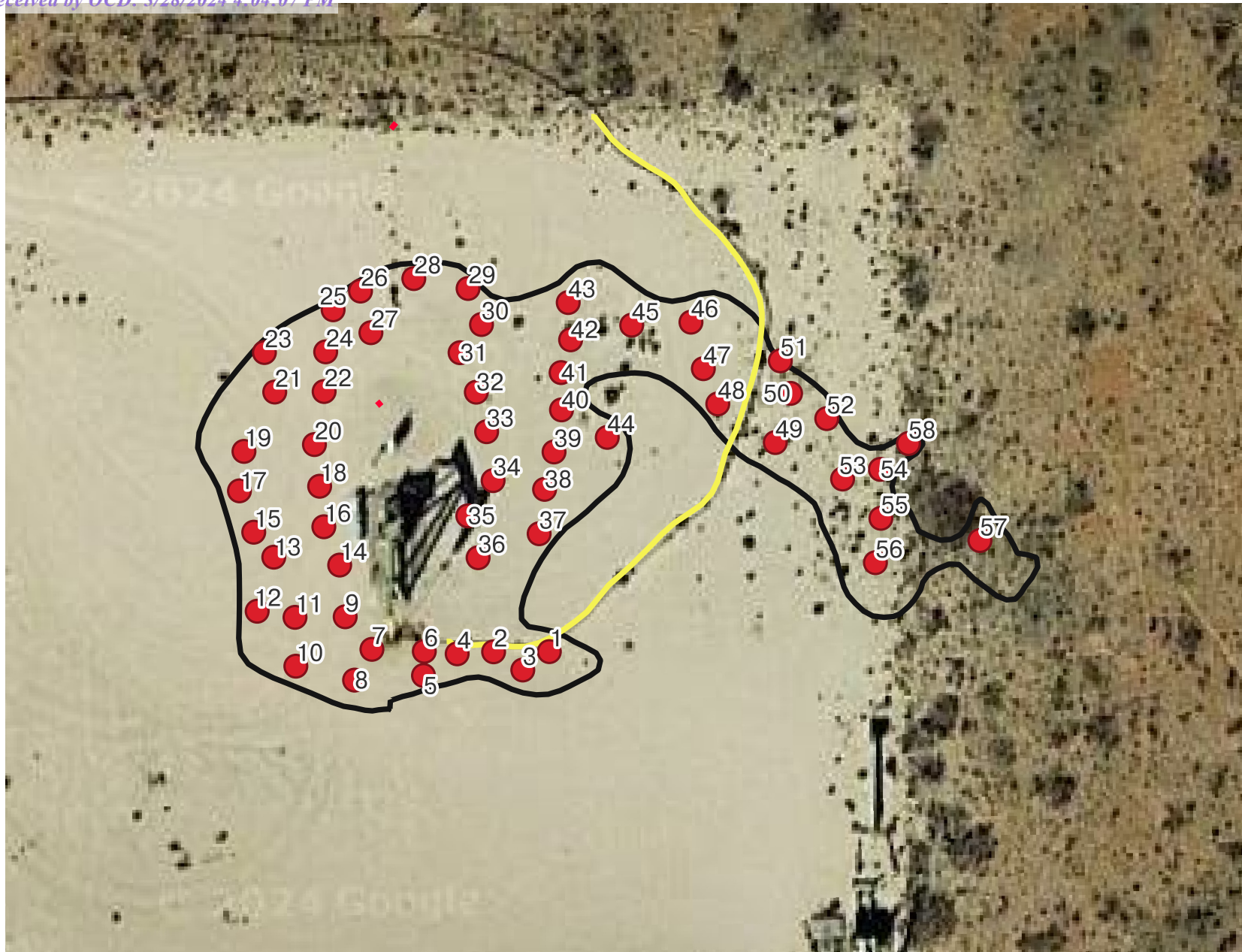
Legend

-  Eunice Plant
-  WBDU 110



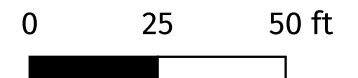
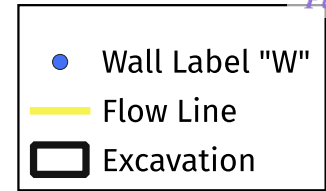
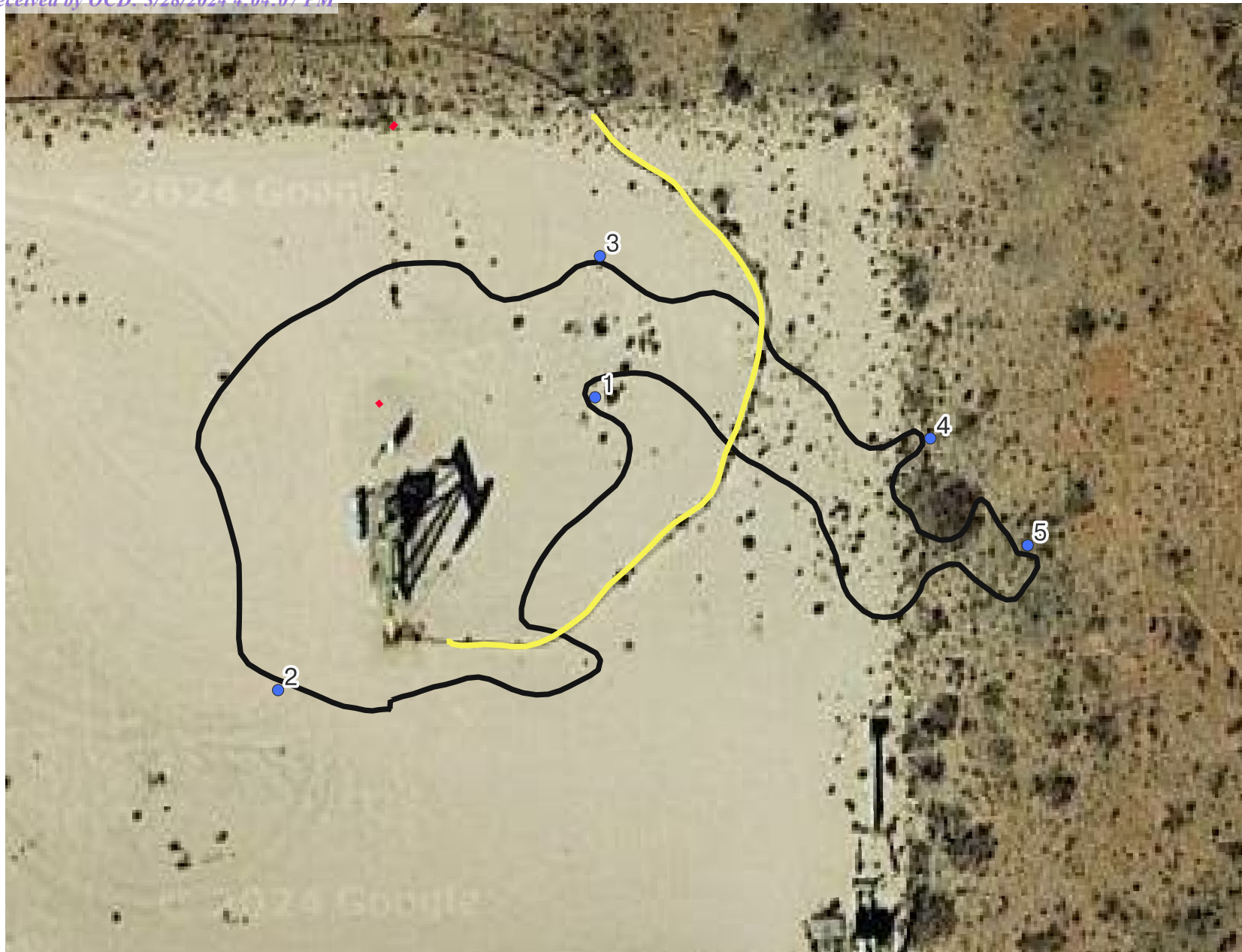
Google Earth

Walls "W"														
B55FLOOR	H241396-35		COMP	3/18/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	288
B56FLOOR	H241396-36		COMP	3/18/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	19.1	<10.0	19.1	192
B57FLOOR	H241396-37	1'	COMP	3/18/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32
B58FLOOR	H241396-38	1'	COMP	3/18/24	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	32



WBDU 110

Sample Map



WBDU 110

Sample Map



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

March 21, 2024

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: WBDU #110

Enclosed are the results of analyses for samples received by the laboratory on 03/15/24 16:14.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 1 (H241369-01)

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	03/18/2024	ND	2.10	105	2.00	2.81		
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323		
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553		
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141		
Total BTEX	<0.300	0.300	03/18/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	03/18/2024	ND	432	108	400	3.64		

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	03/18/2024	ND	198	99.0	200	0.281	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	214	107	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 2 (H241369-02)

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	03/18/2024	ND	2.10	105	2.00	2.81	
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1150	16.0	03/18/2024	ND	432	108	400	3.64		

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	03/18/2024	ND	198	99.0	200	0.281	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	214	107	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 76.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 3 (H241369-03)

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	03/18/2024	ND	2.10	105	2.00	2.81		
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323		
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553		
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141		
Total BTEX	<0.300	0.300	03/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	03/18/2024	ND	432	108	400	3.64		

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	03/18/2024	ND	198	99.0	200	0.281	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	214	107	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.7 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 4 (H241369-04)

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	03/18/2024	ND	2.10	105	2.00	2.81	
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	03/18/2024	ND	432	108	400	3.64		

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	03/18/2024	ND	198	99.0	200	0.281	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	214	107	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 5 (H241369-05)

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	03/18/2024	ND	2.10	105	2.00	2.81	
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	03/18/2024	ND	432	108	400	3.64		

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	03/18/2024	ND	198	99.0	200	0.281	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	214	107	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 6 (H241369-06)

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	03/18/2024	ND	2.10	105	2.00	2.81		
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323		
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553		
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141		
Total BTEX	<0.300	0.300	03/18/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	03/18/2024	ND	432	108	400	3.64		

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	03/18/2024	ND	198	99.0	200	0.281	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	214	107	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 7 (H241369-07)

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	03/18/2024	ND	2.10	105	2.00	2.81	
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141	
Total BTEx	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	03/18/2024	ND	432	108	400	3.64		

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	03/18/2024	ND	198	99.0	200	0.281	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	214	107	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.2 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 8 (H241369-08)

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	03/18/2024	ND	2.10	105	2.00	2.81	
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	03/18/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	198	99.0	200	0.281	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	214	107	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 68.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.6 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 9 (H241369-09)

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	03/18/2024	ND	2.10	105	2.00	2.81	
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	03/18/2024	ND	432	108	400	3.64	

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	03/18/2024	ND	198	99.0	200	0.281	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	214	107	200	1.39	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 81.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 10 (H241369-10)

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	03/18/2024	ND	2.10	105	2.00	2.81		
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323		
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553		
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141		
Total BTEX	<0.300	0.300	03/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/18/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2024	ND	223	111	200	0.931	
DRO >C10-C28*	<10.0	10.0	03/18/2024	ND	200	100	200	0.0235	
EXT DRO >C28-C36	<10.0	10.0	03/18/2024	ND					

Surrogate: 1-Chlorooctane 74.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 11 (H241369-11)

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	03/18/2024	ND	2.10	105	2.00	2.81	
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/18/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	190	94.8	200	5.80	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.7 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 12 (H241369-12)

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	03/18/2024	ND	2.10	105	2.00	2.81	
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/18/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	190	94.8	200	5.80	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.8 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 13 (H241369-13)

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	03/18/2024	ND	2.10	105	2.00	2.81	
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141	
Total BTEx	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/18/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	190	94.8	200	5.80	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.5 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 14 (H241369-14)

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	03/18/2024	ND	2.10	105	2.00	2.81	
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141	
Total BTEx	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	03/18/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	203	102	200	3.29	
DRO >C10-C28*	11.5	10.0	03/19/2024	ND	190	94.8	200	5.80	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 86.2 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 15 (H241369-15)

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	03/18/2024	ND	2.10	105	2.00	2.81	
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/18/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	202	101	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.0 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 16 (H241369-16)

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	03/18/2024	ND	2.10	105	2.00	2.81	
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	03/18/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	202	101	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 17 (H241369-17)

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	03/18/2024	ND	2.10	105	2.00	2.81	
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	03/18/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	202	101	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 18 (H241369-18)

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	03/18/2024	ND	2.10	105	2.00	2.81	
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141	
Total BTEX	<0.300	0.300	03/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/18/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	202	101	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 83.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.2 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 19 (H241369-19)

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	03/18/2024	ND	2.10	105	2.00	2.81	
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/18/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	202	101	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.2 % 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: 03/15/2024
 Reported: 03/21/2024
 Project Name: WBDU #110
 Project Number: NONE GIVEN
 Project Location: NONE GIVEN

Sampling Date: 03/15/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: B 20 (H241369-20)

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	03/18/2024	ND	2.10	105	2.00	2.81	
Toluene*	<0.050	0.050	03/18/2024	ND	2.13	107	2.00	0.323	
Ethylbenzene*	<0.050	0.050	03/18/2024	ND	2.16	108	2.00	0.553	
Total Xylenes*	<0.150	0.150	03/18/2024	ND	6.45	107	6.00	0.141	
Total BTEX	<0.300	0.300	03/18/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	03/18/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2024	ND	206	103	200	2.69	
DRO >C10-C28*	<10.0	10.0	03/19/2024	ND	202	101	200	0.758	
EXT DRO >C28-C36	<10.0	10.0	03/19/2024	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



CARDINAL
Laboratories

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Apache					BILL TO					ANALYSIS REQUEST								
Project Manager: Bruce Baker					P.O. #:													
Address:					Company:													
City: Hobbs					Attn:													
Phone #:					Address:													
Fax #:					City:													
Project #:					State:													
Project Owner:					Zip:													
Project Location: WBDY 110					Phone #:													
Sampler Name: Jose Quezada					Fax #:													
<small>FOR LAB USE ONLY</small>																		
Lab I.D.		Sample I.D.		(G)RAB OR <input checked="" type="radio"/> COMP	# CONTAINERS	MATRIX				PRESERV	SAMPLING							
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE: <input checked="" type="radio"/> COOL	OTHER :	DATE	TIME					
B11		C1										3/15	2:20	C1				
B12		C1											2:22	BTEX				
B13		C1											2:24	EXT TPH				
B14		C1											3:02					
B15		C1											3:04					
B16		C1											3:06					
B17		C1											3:08					
B18		C1											3:10					
B19		C1											3:12					
B20		C1											3:14					

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Relinquished By:	Date: 3/15/24	Received By:	Date: 3/15/24
Time: 4:14	Signature:	Signature:	
Reinquinshed By:	Date:	Received By:	Date:
Time:	Signature:	Signature:	

Delivered By: (Circle One)

Observed Temp. °C: 1.7°C **Corrected Temp. °C:**

Sampler - UPS - Bus - Other:

Sample Condition
Cool Intact: ☒ Yes ☐ No
Yes ☐ No

CHECKED BY: (Initials)

Turnaround Time: Standard ☒ Rush ☐

Bacteria (only) Sample Condition
Cool Intact: ☐ Yes ☐ No
Yes ☐ No

Thermometer ID #140 **Correction Factor 0°C:**

Verbal Result: ☐ Yes ☐ No **Add'l Phone #:**

All Results are emailed. Please provide Email address:

REMARKS: APD Diamond Back m. low, Jason D. Jose R. Sanchez

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

March 26, 2024

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: WBDU #110

Enclosed are the results of analyses for samples received by the laboratory on 03/18/24 15:37.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B 21	H241396-01	Soil	18-Mar-24 08:44	18-Mar-24 15:37
B 22	H241396-02	Soil	18-Mar-24 08:46	18-Mar-24 15:37
B 23	H241396-03	Soil	18-Mar-24 08:48	18-Mar-24 15:37
B 24	H241396-04	Soil	18-Mar-24 08:50	18-Mar-24 15:37
B 25	H241396-05	Soil	18-Mar-24 08:52	18-Mar-24 15:37
B 26	H241396-06	Soil	18-Mar-24 08:54	18-Mar-24 15:37
B 27	H241396-07	Soil	18-Mar-24 08:56	18-Mar-24 15:37
B 28	H241396-08	Soil	18-Mar-24 08:58	18-Mar-24 15:37
B 29	H241396-09	Soil	18-Mar-24 10:04	18-Mar-24 15:37
B 30	H241396-10	Soil	18-Mar-24 10:06	18-Mar-24 15:37
B 31	H241396-11	Soil	18-Mar-24 10:08	18-Mar-24 15:37
B 32	H241396-12	Soil	18-Mar-24 10:10	18-Mar-24 15:37
B 33	H241396-13	Soil	18-Mar-24 10:12	18-Mar-24 15:37
B 34	H241396-14	Soil	18-Mar-24 10:14	18-Mar-24 15:37
B 35	H241396-15	Soil	18-Mar-24 10:16	18-Mar-24 15:37
B 36	H241396-16	Soil	18-Mar-24 10:22	18-Mar-24 15:37
B 37	H241396-17	Soil	18-Mar-24 10:24	18-Mar-24 15:37
B 38	H241396-18	Soil	18-Mar-24 10:28	18-Mar-24 15:37
B 39	H241396-19	Soil	18-Mar-24 10:30	18-Mar-24 15:37
B 40	H241396-20	Soil	18-Mar-24 10:32	18-Mar-24 15:37
B 41	H241396-21	Soil	18-Mar-24 10:46	18-Mar-24 15:37
B 42	H241396-22	Soil	18-Mar-24 10:48	18-Mar-24 15:37
B 43	H241396-23	Soil	18-Mar-24 11:06	18-Mar-24 15:37
B 44	H241396-24	Soil	18-Mar-24 11:08	18-Mar-24 15:37
B 45	H241396-25	Soil	18-Mar-24 11:14	18-Mar-24 15:37
B 46	H241396-26	Soil	18-Mar-24 11:16	18-Mar-24 15:37
B 47	H241396-27	Soil	18-Mar-24 11:28	18-Mar-24 15:37

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 48	H241396-28	Soil	18-Mar-24 11:30	18-Mar-24 15:37
B 49	H241396-29	Soil	18-Mar-24 11:32	18-Mar-24 15:37
B 50	H241396-30	Soil	18-Mar-24 11:34	18-Mar-24 15:37
B 51	H241396-31	Soil	18-Mar-24 12:44	18-Mar-24 15:37
B 52	H241396-32	Soil	18-Mar-24 12:46	18-Mar-24 15:37
B 53	H241396-33	Soil	18-Mar-24 12:54	18-Mar-24 15:37
B 54	H241396-34	Soil	18-Mar-24 12:56	18-Mar-24 15:37
B 55	H241396-35	Soil	18-Mar-24 13:06	18-Mar-24 15:37
B 56	H241396-36	Soil	18-Mar-24 13:08	18-Mar-24 15:37
B 57 @ 1'	H241396-37	Soil	18-Mar-24 13:16	18-Mar-24 15:37
B 58 @ 1'	H241396-38	Soil	18-Mar-24 13:18	18-Mar-24 15:37
W 1	H241396-39	Soil	18-Mar-24 14:10	18-Mar-24 15:37
W 2	H241396-40	Soil	18-Mar-24 14:12	18-Mar-24 15:37
W 3	H241396-41	Soil	18-Mar-24 14:14	18-Mar-24 15:37
W4 BGS 0-1'	H241396-42	Soil	18-Mar-24 14:16	18-Mar-24 15:37
W5 BGS 0-1'	H241396-43	Soil	18-Mar-24 14:18	18-Mar-24 15:37

03/26/24 - Client changed the sample IDs on -42 and -43 (see COC). This is the revised report and will replace the one sent on 03/22/24.

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 21**H241396-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4032024	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134 4031917 JH 20-Mar-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane 89.6 % 48.2-134 4031919 MS 19-Mar-24 8015B

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148 4031919 MS 19-Mar-24 8015B

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 22**H241396-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	208		16.0	mg/kg	4	4032024	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %		71.5-134	4031917	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			101 %		48.2-134	4031919	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			104 %		49.1-148	4031919	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 23**H241396-03 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	224		16.0	mg/kg	4	4032024	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		4031917	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			95.4 %	48.2-134		4031919	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			101 %	49.1-148		4031919	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 24**H241396-04 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	208		16.0	mg/kg	4	4032024	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		4031917	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			98.6 %	48.2-134		4031919	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			103 %	49.1-148		4031919	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 25**H241396-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4032024	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		4031917	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			96.3 %	48.2-134		4031919	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			101 %	49.1-148		4031919	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 26**H241396-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4032024	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		4031917	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			90.3 %	48.2-134		4031919	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			95.8 %	49.1-148		4031919	MS	19-Mar-24	8015B	
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Cardinal Laboratories

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 27**H241396-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4032024	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		4031917	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			93.6 %	48.2-134		4031919	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			96.1 %	49.1-148		4031919	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 28**H241396-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4032024	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			102 %	71.5-134		4031917	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			95.1 %	48.2-134		4031919	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			94.9 %	49.1-148		4031919	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 29**H241396-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	48.0		16.0	mg/kg	4	4032024	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		4031917	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031919	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			82.4 %	48.2-134		4031919	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			85.0 %	49.1-148		4031919	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 30**H241396-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	4032024	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	4031917	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031919	MS	20-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031919	MS	20-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031919	MS	20-Mar-24	8015B	

Surrogate: 1-Chlorooctane			72.8 %		48.2-134	4031919	MS	20-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			76.0 %		49.1-148	4031919	MS	20-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 31**H241396-11 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	432		16.0	mg/kg	4	4032024	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	4031917	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031919	MS	20-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031919	MS	20-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031919	MS	20-Mar-24	8015B	

Surrogate: 1-Chlorooctane			81.1 %		48.2-134	4031919	MS	20-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			82.8 %		49.1-148	4031919	MS	20-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 32**H241396-12 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	4032024	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		4031917	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031919	MS	20-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031919	MS	20-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031919	MS	20-Mar-24	8015B	

Surrogate: 1-Chlorooctane			77.7 %	48.2-134		4031919	MS	20-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			80.1 %	49.1-148		4031919	MS	20-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 33**H241396-13 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	368		16.0	mg/kg	4	4032024	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	4031917	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031919	MS	20-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031919	MS	20-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031919	MS	20-Mar-24	8015B	

Surrogate: 1-Chlorooctane			84.7 %		48.2-134	4031919	MS	20-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			87.0 %		49.1-148	4031919	MS	20-Mar-24	8015B	
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Cardinal Laboratories

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 34**H241396-14 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	304		16.0	mg/kg	4	4032024	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %	71.5-134		4031917	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031919	MS	20-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031919	MS	20-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031919	MS	20-Mar-24	8015B	

Surrogate: 1-Chlorooctane			96.7 %	48.2-134		4031919	MS	20-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			101 %	49.1-148		4031919	MS	20-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 35**H241396-15 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	784		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %	71.5-134		4031917	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			91.7 %	48.2-134		4031921	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			82.1 %	49.1-148		4031921	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 36**H241396-16 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1260		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	4031917	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			87.9 %		48.2-134	4031921	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			78.3 %		49.1-148	4031921	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 37**H241396-17 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	528		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	4031917	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			85.9 %		48.2-134	4031921	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			79.6 %		49.1-148	4031921	MS	19-Mar-24	8015B	
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Cardinal Laboratories

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 38**H241396-18 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	880		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			103 %		71.5-134	4031917	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			83.3 %		48.2-134	4031921	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			75.4 %		49.1-148	4031921	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 39**H241396-19 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	448		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031917	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031917	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			104 %		71.5-134	4031917	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			79.5 %		48.2-134	4031921	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			71.6 %		49.1-148	4031921	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 40**H241396-20 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	768		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		71.5-134	4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			79.2 %		48.2-134	4031921	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			71.5 %		49.1-148	4031921	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 41**H241396-21 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	720		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %		71.5-134	4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			80.6 %		48.2-134	4031921	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			74.9 %		49.1-148	4031921	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 42**H241396-22 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	464		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %		71.5-134	4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
DRO >C10-C28*	11.4		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			91.6 %		48.2-134	4031921	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			83.6 %		49.1-148	4031921	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 43**H241396-23 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	240		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %		71.5-134	4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			73.0 %		48.2-134	4031921	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			65.9 %		49.1-148	4031921	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 44**H241396-24 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	256		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %		71.5-134	4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			77.7 %		48.2-134	4031921	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			73.1 %		49.1-148	4031921	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 45**H241396-25 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %		71.5-134	4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			80.4 %		48.2-134	4031921	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			71.9 %		49.1-148	4031921	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 46**H241396-26 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	336		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %		71.5-134	4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			81.9 %		48.2-134	4031921	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			72.9 %		49.1-148	4031921	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 47**H241396-27 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	816		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			85.5 %	48.2-134		4031921	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			78.5 %	49.1-148		4031921	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 48**H241396-28 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	256		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		71.5-134	4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			69.2 %		48.2-134	4031921	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			63.5 %		49.1-148	4031921	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 49**H241396-29 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	384		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		71.5-134	4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			83.2 %		48.2-134	4031921	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			74.9 %		49.1-148	4031921	MS	19-Mar-24	8015B	
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Cardinal Laboratories

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 50**H241396-30 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	864		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %		71.5-134	4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			82.2 %		48.2-134	4031921	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			73.7 %		49.1-148	4031921	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 51**H241396-31 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	656		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %		71.5-134	4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	20-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	20-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	20-Mar-24	8015B	

Surrogate: 1-Chlorooctane			74.1 %		48.2-134	4031921	MS	20-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			66.8 %		49.1-148	4031921	MS	20-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 52**H241396-32 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	112		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %	71.5-134		4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	20-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	20-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	20-Mar-24	8015B	

Surrogate: 1-Chlorooctane			81.3 %	48.2-134		4031921	MS	20-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			73.2 %	49.1-148		4031921	MS	20-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 53**H241396-33 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	736		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %		71.5-134	4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	20-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	20-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	20-Mar-24	8015B	

Surrogate: 1-Chlorooctane			87.0 %		48.2-134	4031921	MS	20-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			77.3 %		49.1-148	4031921	MS	20-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 54**H241396-34 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4032035	HM	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031921	MS	20-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031921	MS	20-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031921	MS	20-Mar-24	8015B	

Surrogate: 1-Chlorooctane			81.7 %	48.2-134		4031921	MS	20-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			73.1 %	49.1-148		4031921	MS	20-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 55**H241396-35 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	288		16.0	mg/kg	4	4032022	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		71.5-134	4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			78.1 %		48.2-134	4031922	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			78.2 %		49.1-148	4031922	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 56
H241396-36 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	192		16.0	mg/kg	4	4032022	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			110 %	71.5-134		4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	
DRO >C10-C28*	19.1		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			80.8 %	48.2-134		4031922	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			77.3 %	49.1-148		4031922	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 57 @ 1'
H241396-37 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4032022	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			112 %	71.5-134		4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			71.0 %	48.2-134		4031922	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			66.8 %	49.1-148		4031922	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

B 58 @ 1'
H241396-38 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4032022	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %	71.5-134		4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			90.5 %	48.2-134		4031922	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			87.1 %	49.1-148		4031922	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

W 1**H241396-39 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	96.0		16.0	mg/kg	4	4032022	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031918	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031918	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			111 %		71.5-134	4031918	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			81.5 %		48.2-134	4031922	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			76.5 %		49.1-148	4031922	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

W 2**H241396-40 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	4032022	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031938	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031938	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031938	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031938	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031938	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			93.0 %		71.5-134	4031938	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			80.0 %		48.2-134	4031922	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			75.1 %		49.1-148	4031922	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

W 3**H241396-41 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4032022	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031938	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031938	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031938	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031938	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031938	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			93.2 %		71.5-134	4031938	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			83.8 %		48.2-134	4031922	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			78.8 %		49.1-148	4031922	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

W4 BGS 0-1'**H241396-42 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4032022	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031938	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031938	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031938	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031938	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031938	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			93.3 %		71.5-134	4031938	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			96.9 %		48.2-134	4031922	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			92.8 %		49.1-148	4031922	MS	19-Mar-24	8015B	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

W5 BGS 0-1'**H241396-43 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	4032022	CT	20-Mar-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4031938	JH	20-Mar-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4031938	JH	20-Mar-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4031938	JH	20-Mar-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4031938	JH	20-Mar-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4031938	JH	20-Mar-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			93.2 %		71.5-134	4031938	JH	20-Mar-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4031922	MS	19-Mar-24	8015B	

Surrogate: 1-Chlorooctane			91.0 %		48.2-134	4031922	MS	19-Mar-24	8015B	
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Surrogate: 1-Chlorooctadecane			86.1 %		49.1-148	4031922	MS	19-Mar-24	8015B	
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Cardinal Laboratories

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4032022 - 1:4 DI Water**Blank (4032022-BLK1)**

Prepared & Analyzed: 20-Mar-24

Chloride	ND	16.0	mg/kg							
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LCS (4032022-BS1)

Prepared & Analyzed: 20-Mar-24

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (4032022-BSD1)

Prepared & Analyzed: 20-Mar-24

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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Batch 4032024 - 1:4 DI Water**Blank (4032024-BLK1)**

Prepared & Analyzed: 20-Mar-24

Chloride	ND	16.0	mg/kg							
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LCS (4032024-BS1)

Prepared & Analyzed: 20-Mar-24

Chloride	432	16.0	mg/kg	400		108	80-120			
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LCS Dup (4032024-BSD1)

Prepared & Analyzed: 20-Mar-24

Chloride	448	16.0	mg/kg	400		112	80-120	3.64	20	
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Batch 4032035 - 1:4 DI Water**Blank (4032035-BLK1)**

Prepared & Analyzed: 20-Mar-24

Chloride	ND	16.0	mg/kg							
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LCS (4032035-BS1)

Prepared & Analyzed: 20-Mar-24

Chloride	448	16.0	mg/kg	400		112	80-120			
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Cardinal Laboratories

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432Reported:
26-Mar-24 16:54**Inorganic Compounds - Quality Control****Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4032035 - 1:4 DI Water**LCS Dup (4032035-BSD1)**

Prepared & Analyzed: 20-Mar-24

Chloride	432	16.0	mg/kg	400		108	80-120	3.64	20	
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4031917 - Volatiles**Blank (4031917-BLK1)**

Prepared: 19-Mar-24 Analyzed: 20-Mar-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0517		mg/kg	0.0500		103	71.5-134			

LCS (4031917-BS1)

Prepared: 19-Mar-24 Analyzed: 20-Mar-24

Benzene	2.11	0.050	mg/kg	2.00		106	82.8-130			
Toluene	2.10	0.050	mg/kg	2.00		105	86-128			
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	85.9-128			
m,p-Xylene	4.16	0.100	mg/kg	4.00		104	89-129			
o-Xylene	2.00	0.050	mg/kg	2.00		99.9	86.1-125			
Total Xylenes	6.16	0.150	mg/kg	6.00		103	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0510		mg/kg	0.0500		102	71.5-134			

LCS Dup (4031917-BSD1)

Prepared: 19-Mar-24 Analyzed: 20-Mar-24

Benzene	2.12	0.050	mg/kg	2.00		106	82.8-130	0.485	15.8	
Toluene	2.12	0.050	mg/kg	2.00		106	86-128	0.860	15.9	
Ethylbenzene	2.06	0.050	mg/kg	2.00		103	85.9-128	0.652	16	
m,p-Xylene	4.16	0.100	mg/kg	4.00		104	89-129	0.0314	16.2	
o-Xylene	2.01	0.050	mg/kg	2.00		100	86.1-125	0.399	16.7	
Total Xylenes	6.17	0.150	mg/kg	6.00		103	88.2-128	0.151	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0506		mg/kg	0.0500		101	71.5-134			

Batch 4031918 - Volatiles**Blank (4031918-BLK1)**

Prepared: 19-Mar-24 Analyzed: 20-Mar-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4031918 - Volatiles**Blank (4031918-BLK1)**

Prepared: 19-Mar-24 Analyzed: 20-Mar-24

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0549		mg/kg	0.0500		110	71.5-134			

LCS (4031918-BS1)

Prepared: 19-Mar-24 Analyzed: 20-Mar-24

Benzene	1.80	0.050	mg/kg	2.00		89.8	82.8-130			
Toluene	1.90	0.050	mg/kg	2.00		94.9	86-128			
Ethylbenzene	1.87	0.050	mg/kg	2.00		93.5	85.9-128			
m,p-Xylene	3.81	0.100	mg/kg	4.00		95.2	89-129			
o-Xylene	1.87	0.050	mg/kg	2.00		93.7	86.1-125			
Total Xylenes	5.68	0.150	mg/kg	6.00		94.7	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0507		mg/kg	0.0500		101	71.5-134			

LCS Dup (4031918-BSD1)

Prepared: 19-Mar-24 Analyzed: 20-Mar-24

Benzene	1.88	0.050	mg/kg	2.00		94.0	82.8-130	4.52	15.8	
Toluene	1.96	0.050	mg/kg	2.00		98.0	86-128	3.14	15.9	
Ethylbenzene	1.93	0.050	mg/kg	2.00		96.3	85.9-128	2.93	16	
m,p-Xylene	3.93	0.100	mg/kg	4.00		98.2	89-129	3.12	16.2	
o-Xylene	1.93	0.050	mg/kg	2.00		96.4	86.1-125	2.88	16.7	
Total Xylenes	5.86	0.150	mg/kg	6.00		97.6	88.2-128	3.04	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0521		mg/kg	0.0500		104	71.5-134			

Batch 4031938 - Volatiles**Blank (4031938-BLK1)**

Prepared: 19-Mar-24 Analyzed: 20-Mar-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		93.4	71.5-134			

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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4031938 - Volatiles**LCS (4031938-BS1)**

Prepared: 19-Mar-24 Analyzed: 20-Mar-24

Benzene	2.23	0.050	mg/kg	2.00		111	82.8-130		
Toluene	2.17	0.050	mg/kg	2.00		109	86-128		
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	85.9-128		
m,p-Xylene	4.12	0.100	mg/kg	4.00		103	89-129		
o-Xylene	2.06	0.050	mg/kg	2.00		103	86.1-125		
Total Xylenes	6.18	0.150	mg/kg	6.00		103	88.2-128		

Surrogate: 4-Bromofluorobenzene (PID)	0.0468		mg/kg	0.0500		93.6	71.5-134		
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LCS Dup (4031938-BS1)

Prepared: 19-Mar-24 Analyzed: 20-Mar-24

Benzene	2.21	0.050	mg/kg	2.00		110	82.8-130	0.835	15.8
Toluene	2.16	0.050	mg/kg	2.00		108	86-128	0.683	15.9
Ethylbenzene	2.11	0.050	mg/kg	2.00		106	85.9-128	0.436	16
m,p-Xylene	4.08	0.100	mg/kg	4.00		102	89-129	0.898	16.2
o-Xylene	2.06	0.050	mg/kg	2.00		103	86.1-125	0.327	16.7
Total Xylenes	6.14	0.150	mg/kg	6.00		102	88.2-128	0.707	16.3

Surrogate: 4-Bromofluorobenzene (PID)	0.0471		mg/kg	0.0500		94.2	71.5-134		
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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
2350 W. MARLAND BLVD.
HOBBS NM, 88240

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4031919 - General Prep - Organics**Blank (4031919-BLK1)**

Prepared & Analyzed: 19-Mar-24

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	56.6		mg/kg	50.0		113	48.2-134			
Surrogate: 1-Chlorooctadecane	63.1		mg/kg	50.0		126	49.1-148			

LCS (4031919-BS1)

Prepared & Analyzed: 19-Mar-24

GRO C6-C10	194	10.0	mg/kg	200		97.0	66.4-123			
DRO >C10-C28	207	10.0	mg/kg	200		103	66.5-118			
Total TPH C6-C28	401	10.0	mg/kg	400		100	77.6-123			
Surrogate: 1-Chlorooctane	58.6		mg/kg	50.0		117	48.2-134			
Surrogate: 1-Chlorooctadecane	65.3		mg/kg	50.0		131	49.1-148			

LCS Dup (4031919-BS1)

Prepared & Analyzed: 19-Mar-24

GRO C6-C10	198	10.0	mg/kg	200		99.2	66.4-123	2.19	17.7	
DRO >C10-C28	213	10.0	mg/kg	200		107	66.5-118	3.14	21	
Total TPH C6-C28	412	10.0	mg/kg	400		103	77.6-123	2.68	18.5	
Surrogate: 1-Chlorooctane	59.1		mg/kg	50.0		118	48.2-134			
Surrogate: 1-Chlorooctadecane	65.0		mg/kg	50.0		130	49.1-148			

Batch 4031921 - General Prep - Organics**Blank (4031921-BLK1)**

Prepared & Analyzed: 19-Mar-24

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	55.2		mg/kg	50.0		110	48.2-134			
Surrogate: 1-Chlorooctadecane	52.4		mg/kg	50.0		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

Analytical Results For:

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

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4031921 - General Prep - Organics**LCS (4031921-BS1)**

Prepared & Analyzed: 19-Mar-24

GRO C6-C10	199	10.0	mg/kg	200		99.6	66.4-123			
DRO >C10-C28	192	10.0	mg/kg	200		96.0	66.5-118			
Total TPH C6-C28	391	10.0	mg/kg	400		97.8	77.6-123			
Surrogate: 1-Chlorooctane	57.3		mg/kg	50.0		115	48.2-134			
Surrogate: 1-Chlorooctadecane	53.4		mg/kg	50.0		107	49.1-148			

LCS Dup (4031921-BS1)

Prepared & Analyzed: 19-Mar-24

GRO C6-C10	209	10.0	mg/kg	200		105	66.4-123	4.86	17.7	
DRO >C10-C28	199	10.0	mg/kg	200		99.6	66.5-118	3.64	21	
Total TPH C6-C28	408	10.0	mg/kg	400		102	77.6-123	4.27	18.5	
Surrogate: 1-Chlorooctane	59.5		mg/kg	50.0		119	48.2-134			
Surrogate: 1-Chlorooctadecane	59.9		mg/kg	50.0		120	49.1-148			

Batch 4031922 - General Prep - Organics**Blank (4031922-BLK1)**

Prepared & Analyzed: 19-Mar-24

GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	48.2		mg/kg	50.0		96.4	48.2-134			
Surrogate: 1-Chlorooctadecane	46.6		mg/kg	50.0		93.2	49.1-148			

LCS (4031922-BS1)

Prepared & Analyzed: 19-Mar-24

GRO C6-C10	214	10.0	mg/kg	200		107	66.4-123			
DRO >C10-C28	216	10.0	mg/kg	200		108	66.5-118			
Total TPH C6-C28	430	10.0	mg/kg	400		107	77.6-123			
Surrogate: 1-Chlorooctane	51.6		mg/kg	50.0		103	48.2-134			
Surrogate: 1-Chlorooctadecane	53.3		mg/kg	50.0		107	49.1-148			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Project: WBDU #110
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported:
26-Mar-24 16:54

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4031922 - General Prep - Organics**LCS Dup (4031922-BSD1)**

Prepared & Analyzed: 19-Mar-24

GRO C6-C10	187	10.0	mg/kg	200		93.4	66.4-123	13.5	17.7	
DRO >C10-C28	184	10.0	mg/kg	200		91.8	66.5-118	16.2	21	
Total TPH C6-C28	370	10.0	mg/kg	400		92.6	77.6-123	14.8	18.5	
Surrogate: 1-Chlorooctane	48.9		mg/kg	50.0		97.7	48.2-134			
Surrogate: 1-Chlorooctadecane	50.2		mg/kg	50.0		100	49.1-148			

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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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A handwritten signature in cursive script, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

† 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: Apache

Project Manager: Bruce Baker

Address:

City: Hobbs State: NM Zip: 88240

Phone #: Fax #:

Project #: Project Owner:

Project Name:

Project Location: WBDU 110

Sampler Name: Jesse Overland

FOR LAB USE ONLY

Lab I.D. Sample I.D.

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST					
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :								
31	B 51	C	1							3/18	12:44	C1					
32	B 52	C	1								12:46	BTEX					
33	B 53	C	1								12:54	EXT TPH					
34	B 54	C	1								12:56						
35	B 55	C	1								1:06						
36	B 56	C	1								1:08						
37	B 57 @ 1'	C	1								1:16						
38	B 58 @ 1'	C	1								1:18						

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Relinquished By:

Date: 3/18/24 Received By:

Relinquished By: [Signature]

Date: 3:37 pm Received By: [Signature]

Delivered By: (Circle One)

Observed Temp. °C 3.4

Sample Condition Cool Intact Yes No

CHECKED BY: (Initials)

Turnaround Time: Standard Rush

Bacteria (only) Sample Condition Cool Intact Yes No

Observed Temp. °C

Corrected Temp. °C

Sampler - UPS - Bus - Other:

Corrected Temp. °C

Yes No

Yes No

Thermometer ID #140

Correction Factor 0°C

Yes No

Corrected Temp. °C

FORM-000-R-3-4 07/11/12-3

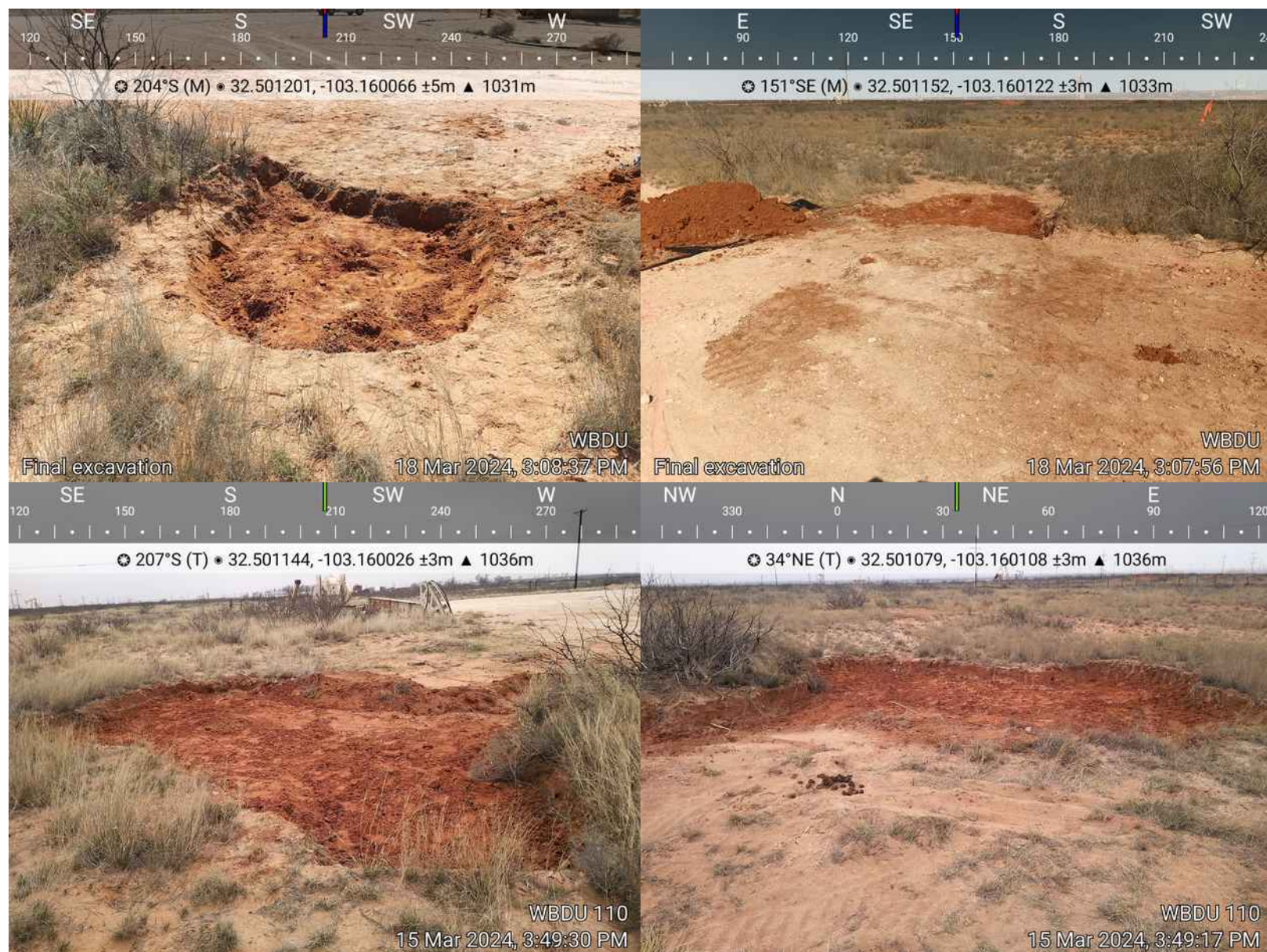
† Cardinal cannot accept verbal changes. Please email changes to celej.keene@cardinallabsnm.com

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(575) 393-2326 FAX (575) 393-2476

BILL TO				ANALYSIS REQUEST			
Company Name:	Apache			P.O. #:			
Project Manager:	Bruce Baker			Company:			
Address:				Attn:			
City:	Hobbs	State:	NM	Zip:	88240		
Phone #:		Fax #:		Address:			
Project #:		Project Owner:		City:			
Project Name:		State:		Zip:			
Project Location:	WBDU 110			Phone #:			
Sample Name:	Josc Replace			Fax #:			
<small>FOR LAB USE ONLY</small>							
Lab I.D.	Sample I.D.	(G) RAB OR (C) OMP	# CONTAINERS	MATRIX	PRESERV	SAMPLING	
		GROUNDWATER		SOIL			
		WASTEWATER		OIL			
		SLUDGE		OTHER :			
		ACID/BASE:		ICE / COOL			
		OTHER :					
		DATE	TIME				
	39	3/18	2:10	C1			
	40		2:12	BTEX			
	41		2:14	EXT TPH			
	* 42		2:16				
	43		2:18				
<small>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 involving 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 who such claim is based upon any of the above stated reasons or otherwise.</small>							
Relinquished By:				Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:			
Date: 3/18/24 Received By:				All Results are emailed. Please provide Email address:			
Time: 3:32 pm							
Date:							
Received By:							
Remarks:							
Turnaround Time:							
Thermometer ID #140							
Correction Factor 0°C							
Standard <input checked="" type="checkbox"/>				Bacteria (only) Sample Condition			
Cool Intact <input checked="" type="checkbox"/>				Cool Intact <input checked="" type="checkbox"/>			
Yes <input checked="" type="checkbox"/>				Observed Temp. °C			
No <input type="checkbox"/>				Corrected Temp. °C			

FORM-006 Rev 07/11/23

WBDU 110
Completed Remediation



WBDU 110
Completed Remediation



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QUESTIONS

Action 327953

QUESTIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID:
	873
	Action Number:
	327953
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2400824944
Incident Name	NAPP2400824944 WBDU #110 @ 30-025-39494
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-39494] WEST BLINEBRY DRINKARD UNIT #110

Location of Release Source	
Please answer all the questions in this group.	
Site Name	WBDU #110
Date Release Discovered	12/26/2023
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Gasket Crude Oil Released: 3 BBL Recovered: 3 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure Gasket Produced Water Released: 13 BBL Recovered: 12 BBL Lost: 1 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 327953

QUESTIONS (continued)

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID:	873
	Action Number:	327953
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

I hereby agree and sign off to the above statement	Name: Larry Baker Title: Sr Environmental Tech Email: larry.baker@apachecorp.com Date: 01/08/2024
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QUESTIONS, Page 3

Action 327953

QUESTIONS (continued)

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID:
	873
	Action Number:
	327953
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Site Characterization	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 51 and 75 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1000 (ft.) and ½ (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1000 (ft.) and ½ (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	1360
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	48
GRO+DRO (EPA SW-846 Method 8015M)	48
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	03/11/2024
On what date will (or did) the final sampling or liner inspection occur	03/15/2024
On what date will (or was) the remediation complete(d)	03/25/2024
What is the estimated surface area (in square feet) that will be reclaimed	400
What is the estimated volume (in cubic yards) that will be reclaimed	14
What is the estimated surface area (in square feet) that will be remediated	12000
What is the estimated volume (in cubic yards) that will be remediated	72
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 327953

QUESTIONS (continued)

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID:	873
	Action Number:	327953
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Sundance Services, Inc [fKJ1600527371]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
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.	
I hereby agree and sign off to the above statement	Name: Larry Baker Title: Sr Environmental Tech Email: larry.baker@apachecorp.com Date: 03/28/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 327953

QUESTIONS (continued)

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID:
	873
	Action Number:
	327953
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 327953

QUESTIONS (continued)

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID:
	873
	Action Number:
	327953
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	322877
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/15/2024
What was the (estimated) number of samples that were to be gathered	40
What was the sampling surface area in square feet	8000

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	12000
What was the total volume (cubic yards) remediated	72
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	400
What was the total volume (in cubic yards) reclaimed	14
Summarize any additional remediation activities not included by answers (above)	The lease pad was lightly scraped and the area in the pasture was excavated to a depth of 1 foot. All soil was hauled to an approved OCD disposal. The excavation was backfilled with clean imported caliche for the lease pad and clean imported topsoil for the pasture.

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 (in .pdf format) 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.

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.

I hereby agree and sign off to the above statement	Name: Larry Baker Title: Sr Environmental Tech Email: larry.baker@apachecorp.com Date: 03/28/2024
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QUESTIONS, Page 7

Action 327953

QUESTIONS (continued)

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 327953
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 327953

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID:
	873
	Action Number:
	327953
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Remediation has met 19.15.29 NMAC requirements. Soil impacts exceeding the reclamation standards have been left in place and are required to meet 19.15.29.13D (1) NMAC once the site is no longer reasonably needed for production or subsequent drilling operations.	5/6/2024
scott.rodgers	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	5/6/2024