



303 Veterans Airpark Lane Midland, TX 79705

Closure Report

May 4, 2021

Re: WBDU 144H
Case #NRM2028760472

On 09/30/2020 a release occurred due to a packing failure. The release (GPS: 32.48397, -103.18335) is located north of Eunice, New Mexico in unit letter B section 17 township 21S range 37E. A groundwater survey was conducted utilizing NMOSE and USGS. The nearest well of record suggest the groundwater depth below the release to be 70 feet below ground surface. A remediation plan was submitted and approved by OCD on 2/4/2021.

The release area was excavated to a depth of 3 inches. On 4/7/2021 5 point bottom and wall samples were collected not to exceed 200 square feet. All samples were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Laboratory analysis were above table one standards for chlorides at B2 and B4 through B8. B2 was above table one standards for TPH. Those areas were further excavated to a depth of 6 inches. On 4/14/2021 final 5 point bottom and wall samples were collected not to exceed 200 square feet and submitted to a commercial laboratory for analysis of chloride and B2 for TPH. Laboratory results were above table one standards for chlorides at W5. W5 was removed and a final wall sample was collected on 4/16/2021 and submitted to a commercial laboratory for chloride. Also on 4/16/2021 two additional walls were collected W7 and W8 and submitted to a commercial laboratory for chloride, TPH, and BTEX. All excavated soil (108 yards) was hauled to OCD approved disposal facility. The excavation was backfilled with clean imported caliche and the pad was restored.

Apache Corporation has remediated the release to below table one standards for releases 51-100 feet to groundwater and respectfully request that event # NRM2028760472 be closed.

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

Submitted by;

Bruce Baker

Environmental Technician SR.

Larry.baker@apachecorp.com

Cell# 432-631-6982

Incident ID	
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: Larry Baker

Title: Environmental Tech SR.

Signature: Larry Baker

Date: 5/4/2021

email: larry.baker@apachecorp.com

Telephone: 432-631-6982

OCD Only

Received by: Chad Hensley

Date: 07/30/2021

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: Chad Hensley

Date: 07/30/2021

Printed Name: Chad Hensley

Title: Environmental Specialist Advanced



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Google Earth

Final Bottom Samples

Sample Date	Sample ID	Depth	Chloride Lab	Benzene	Toulene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO	GPS Coordinates
4/7/2021	B1	3"	7,840	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20	<10.0	32.483952, -103.183441
4/7/2021	B2	3"	10,400	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1500	1510	32.483987, -103.183431
4/14/2021	B2	6"	1,960						<10.0	<10.0	<10.0	
4/7/2021	B3	3"	9,730	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	141	191	32.483983, -103.183373
4/7/2021	B4	3"	10,100	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	102	35.9	32.484003, -103.183333
4/14/2021	B4	6"	4,260									
4/7/2021	B5	3"	11,200	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.484016, -103.183298
4/14/2021	B5	6"	5,840									
4/7/2021	B6	3"	11,500	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.484032, -103.183266
4/14/2021	B6	6"	2,400									
4/7/2021	B7	3"	12,300	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	58.5	17.8	32.484045, -103.183232
4/14/2021	B7	6"	1,960									
4/7/2021	B8	3"	12,000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	137	42.5	32.484059, -103.183202
4/14/2021	B8	6"	2,280									
4/7/2021	B9	3"	8,530	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	174	43.4	32.484071, -103.183165
4/7/2021	B10	3"	3,920	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	396	105	32.484084, -103.183133
4/7/2021	B11	3"	2,120	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	118	36.2	32.484096, -103.183100
4/7/2021	B12	3"	3,240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	133	33.7	32.484110, -103.183062
4/7/2021	B13	3"	4,320	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	194	64.8	32.484123, -103.183039

4/7/2021	B14	3"	2,760	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	43.2	36.2	32.484146, -103.183070
4/7/2021	B15	3"	2,400	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.484170, -103.183100
4/7/2021	B16	3"	1,420	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	88.2	20.7	32.484187, -103.183131
Final Wall Samples												
4/7/2021	W1		48.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.484065, -103.183249
4/7/2021	W2		32.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.484163, -103.183069
4/7/2021	W3		32.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.484034, -103.183216
4/7/2021	W4		48.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.483965, -103.183459
4/14/2021	W5		12,600						<10.0	170	43.5	
4/16/2021	W5		2,840									32.483066, -103.183184
4/14/2021	W6		9,330						<10.0	12.0	<10.0	32.483991, -103.183353
4/16/2021	W7		4,240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.483989, -103.183395
4/16/2021	W8		3,040	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.483974, -103.183443



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

April 09, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: WBDU 144H

Enclosed are the results of analyses for samples received by the laboratory on 04/07/21 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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:	04/07/2021	Sampling Date:	04/07/2021
Reported:	04/09/2021	Sampling Type:	Soil
Project Name:	WBDU 144H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	LEA COUNTY, NM		

Sample ID: B 1 @ 3" (H210882-01)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2021	ND	1.90	95.0	2.00	6.77	
Toluene*	<0.050	0.050	04/09/2021	ND	1.98	98.9	2.00	7.83	
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	1.99	99.7	2.00	7.14	
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.24	104	6.00	6.58	
Total BTX	<0.300	0.300	04/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7840	16.0	04/09/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2021	ND	225	112	200	2.89	
DRO >C10-C28*	20.0	10.0	04/08/2021	ND	234	117	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	04/08/2021	ND					

Surrogate: 1-Chlorooctane 83.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.8 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B 2 @ 3" (H210882-02)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2021	ND	1.90	95.0	2.00	6.77		
Toluene*	<0.050	0.050	04/09/2021	ND	1.98	98.9	2.00	7.83		
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	1.99	99.7	2.00	7.14		
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.24	104	6.00	6.58		
Total BTX	<0.300	0.300	04/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10400	16.0	04/09/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2021	ND	225	112	200	2.89	
DRO >C10-C28*	1500	10.0	04/08/2021	ND	234	117	200	1.76	
EXT DRO >C28-C36	1510	10.0	04/08/2021	ND					

Surrogate: 1-Chlorooctane 82.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 121 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B 3 @ 3" (H210882-03)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2021	ND	1.90	95.0	2.00	6.77		
Toluene*	<0.050	0.050	04/09/2021	ND	1.98	98.9	2.00	7.83		
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	1.99	99.7	2.00	7.14		
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.24	104	6.00	6.58		
Total BTEx	<0.300	0.300	04/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9730	16.0	04/09/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2021	ND	225	112	200	2.89	
DRO >C10-C28*	141	10.0	04/08/2021	ND	234	117	200	1.76	
EXT DRO >C28-C36	191	10.0	04/08/2021	ND					

Surrogate: 1-Chlorooctane 82.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.7 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B 4 @ 3" (H210882-04)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2021	ND	1.90	95.0	2.00	6.77		
Toluene*	<0.050	0.050	04/09/2021	ND	1.98	98.9	2.00	7.83		
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	1.99	99.7	2.00	7.14		
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.24	104	6.00	6.58		
Total BTEx	<0.300	0.300	04/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10100	16.0	04/09/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2021	ND	225	112	200	2.89	
DRO >C10-C28*	102	10.0	04/08/2021	ND	234	117	200	1.76	
EXT DRO >C28-C36	35.9	10.0	04/08/2021	ND					

Surrogate: 1-Chlorooctane 82.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B 5 @ 3" (H210882-05)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2021	ND	1.90	95.0	2.00	6.77		
Toluene*	<0.050	0.050	04/09/2021	ND	1.98	98.9	2.00	7.83		
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	1.99	99.7	2.00	7.14		
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.24	104	6.00	6.58		
Total BTEx	<0.300	0.300	04/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11200	16.0	04/09/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2021	ND	225	112	200	2.89	
DRO >C10-C28*	<10.0	10.0	04/08/2021	ND	234	117	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	04/08/2021	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.8 % 42.2-156

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B 6 @ 3" (H210882-06)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2021	ND	1.90	95.0	2.00	6.77		
Toluene*	<0.050	0.050	04/09/2021	ND	1.98	98.9	2.00	7.83		
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	1.99	99.7	2.00	7.14		
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.24	104	6.00	6.58		
Total BTEx	<0.300	0.300	04/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11500	16.0	04/09/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2021	ND	225	112	200	2.89	
DRO >C10-C28*	<10.0	10.0	04/08/2021	ND	234	117	200	1.76	
EXT DRO >C28-C36	<10.0	10.0	04/08/2021	ND					

Surrogate: 1-Chlorooctane 82.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.9 % 42.2-156

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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: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B 7@ 3" (H210882-07)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2021	ND	1.90	95.0	2.00	6.77		
Toluene*	<0.050	0.050	04/09/2021	ND	1.98	98.9	2.00	7.83		
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	1.99	99.7	2.00	7.14		
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.24	104	6.00	6.58		
Total BTEx	<0.300	0.300	04/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12300	16.0	04/09/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2021	ND	225	112	200	2.89	
DRO >C10-C28*	58.5	10.0	04/08/2021	ND	234	117	200	1.76	
EXT DRO >C28-C36	17.8	10.0	04/08/2021	ND					

Surrogate: 1-Chlorooctane 81.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B 8 @ 3" (H210882-08)

BTEx 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2021	ND	1.90	95.0	2.00	6.77		
Toluene*	<0.050	0.050	04/09/2021	ND	1.98	98.9	2.00	7.83		
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	1.99	99.7	2.00	7.14		
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.24	104	6.00	6.58		
Total BTEx	<0.300	0.300	04/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12000	16.0	04/09/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2021	ND	225	112	200	2.89	
DRO >C10-C28*	137	10.0	04/08/2021	ND	234	117	200	1.76	
EXT DRO >C28-C36	42.5	10.0	04/08/2021	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B 9 @ 3" (H210882-09)

BTEx 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2021	ND	1.90	95.0	2.00	6.77		
Toluene*	<0.050	0.050	04/09/2021	ND	1.98	98.9	2.00	7.83		
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	1.99	99.7	2.00	7.14		
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.24	104	6.00	6.58		
Total BTEx	<0.300	0.300	04/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8530	16.0	04/09/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2021	ND	225	112	200	2.89	
DRO >C10-C28*	174	10.0	04/08/2021	ND	234	117	200	1.76	
EXT DRO >C28-C36	43.4	10.0	04/08/2021	ND					

Surrogate: 1-Chlorooctane 79.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B 10 @ 3" (H210882-10)

BTX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2021	ND	1.90	95.0	2.00	6.77		
Toluene*	<0.050	0.050	04/09/2021	ND	1.98	98.9	2.00	7.83		
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	1.99	99.7	2.00	7.14		
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.24	104	6.00	6.58		
Total BTX	<0.300	0.300	04/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	04/09/2021	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2021	ND	225	112	200	2.89	
DRO >C10-C28*	396	10.0	04/08/2021	ND	234	117	200	1.76	
EXT DRO >C28-C36	105	10.0	04/08/2021	ND					

Surrogate: 1-Chlorooctane 79.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B 11 @ 3" (H210882-11)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2021	ND	1.90	95.0	2.00	6.77		
Toluene*	<0.050	0.050	04/09/2021	ND	1.98	98.9	2.00	7.83		
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	1.99	99.7	2.00	7.14		
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.24	104	6.00	6.58		
Total BTX	<0.300	0.300	04/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2120	16.0	04/09/2021	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2021	ND	225	112	200	2.89	
DRO >C10-C28*	118	10.0	04/08/2021	ND	234	117	200	1.76	
EXT DRO >C28-C36	36.2	10.0	04/08/2021	ND					

Surrogate: 1-Chlorooctane 81.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B 12 @ 3" (H210882-12)

BTX 8021B		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2021	ND	1.90	95.0	2.00	6.77		
Toluene*	<0.050	0.050	04/09/2021	ND	1.98	98.9	2.00	7.83		
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	1.99	99.7	2.00	7.14		
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.24	104	6.00	6.58		
Total BTX	<0.300	0.300	04/09/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3240	16.0	04/09/2021	ND	416	104	400	0.00	QM-07	

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	04/08/2021	ND	225	112	200	2.89	
DRO >C10-C28*	133	10.0	04/08/2021	ND	234	117	200	1.76	
EXT DRO >C28-C36	33.7	10.0	04/08/2021	ND					

Surrogate: 1-Chlorooctane 75.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B 13 @ 3" (H210882-13)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2021	ND	1.98	98.8	2.00	5.63	
Toluene*	<0.050	0.050	04/09/2021	ND	2.06	103	2.00	4.66	
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	2.05	102	2.00	5.16	
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.36	106	6.00	5.08	
Total BTX	<0.300	0.300	04/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4320	16.0	04/09/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2021	ND	225	113	200	1.37	
DRO >C10-C28*	194	10.0	04/08/2021	ND	244	122	200	0.330	
EXT DRO >C28-C36	64.8	10.0	04/08/2021	ND					

Surrogate: 1-Chlorooctane 77.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B 14 @ 3" (H210882-14)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2021	ND	1.98	98.8	2.00	5.63	
Toluene*	<0.050	0.050	04/09/2021	ND	2.06	103	2.00	4.66	
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	2.05	102	2.00	5.16	
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.36	106	6.00	5.08	
Total BTX	<0.300	0.300	04/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2760	16.0	04/09/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2021	ND	225	113	200	1.37	
DRO >C10-C28*	43.2	10.0	04/08/2021	ND	244	122	200	0.330	
EXT DRO >C28-C36	36.2	10.0	04/08/2021	ND					

Surrogate: 1-Chlorooctane 83.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.5 % 42.2-156

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: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B 15 @ 3" (H210882-15)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2021	ND	1.98	98.8	2.00	5.63	
Toluene*	<0.050	0.050	04/09/2021	ND	2.06	103	2.00	4.66	
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	2.05	102	2.00	5.16	
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.36	106	6.00	5.08	
Total BTX	<0.300	0.300	04/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2400	16.0	04/09/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2021	ND	225	113	200	1.37	
DRO >C10-C28*	<10.0	10.0	04/09/2021	ND	244	122	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	04/09/2021	ND					

Surrogate: 1-Chlorooctane 79.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.5 % 42.2-156

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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: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: B 16 @ 3" (H210882-16)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2021	ND	1.98	98.8	2.00	5.63	
Toluene*	<0.050	0.050	04/09/2021	ND	2.06	103	2.00	4.66	
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	2.05	102	2.00	5.16	
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.36	106	6.00	5.08	
Total BTX	<0.300	0.300	04/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1420	16.0	04/09/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2021	ND	225	113	200	1.37	
DRO >C10-C28*	88.2	10.0	04/09/2021	ND	244	122	200	0.330	
EXT DRO >C28-C36	20.7	10.0	04/09/2021	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.3 % 42.2-156

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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: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W 1 (H210882-17)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2021	ND	1.98	98.8	2.00	5.63	
Toluene*	<0.050	0.050	04/09/2021	ND	2.06	103	2.00	4.66	
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	2.05	102	2.00	5.16	
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.36	106	6.00	5.08	
Total BTEx	<0.300	0.300	04/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/09/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2021	ND	225	113	200	1.37	
DRO >C10-C28*	<10.0	10.0	04/09/2021	ND	244	122	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	04/09/2021	ND					

Surrogate: 1-Chlorooctane 79.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.4 % 42.2-156

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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: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W 2 (H210882-18)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2021	ND	1.98	98.8	2.00	5.63	
Toluene*	<0.050	0.050	04/09/2021	ND	2.06	103	2.00	4.66	
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	2.05	102	2.00	5.16	
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.36	106	6.00	5.08	
Total BTEx	<0.300	0.300	04/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/09/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2021	ND	225	113	200	1.37	
DRO >C10-C28*	<10.0	10.0	04/09/2021	ND	244	122	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	04/09/2021	ND					

Surrogate: 1-Chlorooctane 84.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.1 % 42.2-156

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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: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W 3 (H210882-19)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2021	ND	1.98	98.8	2.00	5.63	
Toluene*	<0.050	0.050	04/09/2021	ND	2.06	103	2.00	4.66	
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	2.05	102	2.00	5.16	
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.36	106	6.00	5.08	
Total BTEx	<0.300	0.300	04/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/09/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2021	ND	225	113	200	1.37	
DRO >C10-C28*	<10.0	10.0	04/09/2021	ND	244	122	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	04/09/2021	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.8 % 42.2-156

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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: 04/07/2021
 Reported: 04/09/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/07/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W 4 (H210882-20)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2021	ND	1.98	98.8	2.00	5.63	
Toluene*	<0.050	0.050	04/09/2021	ND	2.06	103	2.00	4.66	
Ethylbenzene*	<0.050	0.050	04/09/2021	ND	2.05	102	2.00	5.16	
Total Xylenes*	<0.150	0.150	04/09/2021	ND	6.36	106	6.00	5.08	
Total BTEx	<0.300	0.300	04/09/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/09/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/09/2021	ND	225	113	200	1.37	
DRO >C10-C28*	<10.0	10.0	04/09/2021	ND	244	122	200	0.330	
EXT DRO >C28-C36	<10.0	10.0	04/09/2021	ND					

Surrogate: 1-Chlorooctane 76.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.8 % 42.2-156

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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

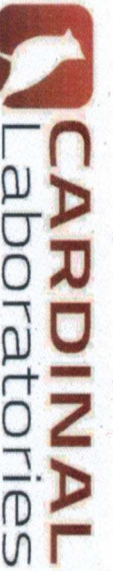
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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

Company Name: Apache Corporation		P.O. #:		BILL TO				ANALYSIS REQUEST			
Project Manager: Bruce Baker		Company:									
Address:		Attn:									
City:		Address:									
Phone #:		City:									
Project #:		State:									
Project Name: W800 144H		Zip:									
Project Location: W800 144H		Phone #:									
Sample Name: Jeff Brown		Fax #:									
FOR LAB USE ONLY											
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER	
H210882								SOIL		OIL	
1 810 3"								SLUDGE		OTHER :	
2 820 3"								ACID/BASE:		ICE / COOL	
3 830 3"								OTHER :		DATE	
4 840 3"								TIME			
5 850 3"								CL -		BTX	
6 860 3"								EXT. TPH			
7 870 3"											
8 880 3"											
9 890 3"											
10 810 3"											

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Relinquished By: Jeff Brown	Date: 4/7/21	Received By: Jeff Brown	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:	
Time:				
Delivered By: (Circle One)	Observed Temp. °C 4.1	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:
Sampler - UPS - Bus - Other:	Corrected Temp. °C	<input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
		<input type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/>
				Cool Intact <input type="checkbox"/>
				Observed Temp. °C <input type="checkbox"/>
				Corrected Temp. °C <input type="checkbox"/>

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



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

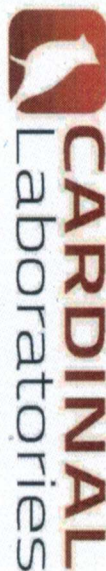
CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Apache Corporation		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Ryan Guter		Company:					
Address:		Attn:					
City:	State:	Zip:					
Phone #:	Fax #:	Address:					
Project #:	Project Owner:		City:	State:	Zip:		
Project Name: WLB04 144H		State:		Zip:			
Project Location: WLB04 144H		Phone #:					
Sampler Name: Jeff Ryan		Fax #:					
FOR LAB USE ONLY		PRESERV.		SAMPLING			
Lab I.D.		(G)RAB OR (C)OMP.		# CONTAINERS			
Sample I.D.		GROUNDWATER		WASTEWATER			
		SOIL		OIL			
		SLUDGE		OTHER :			
		ACID/BASE:		ICE / COOL			
		OTHER :					
11 B11 @ 3"		DATE		TIME		CL -	
12 B12 @ 3"		4/7/01		11:25		BTEX	
13 B13 @ 3"		11:29		11:31		EXT. TPH	
14 B14 @ 3"		4/7/01		11:33			
15 B15 @ 3"							
16 B16 @ 3"							

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Relinquished By: Jeff Ryan	Date: 4/7/01	Received By: Scott Henderson	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	All Results are emailed. Please provide Email address:	
Time:				
Delivered By: (Circle One)	Observed Temp. °C	Corrected Temp. °C	Sample Condition	CHECKED BY: (initials)
Sampler - UPS - Bus - Other:			Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	
			<input type="checkbox"/> Yes <input type="checkbox"/> No	
			<input type="checkbox"/> Yes <input type="checkbox"/> No	
Turnaround Time:	Standard	Bacteria (only)	Sample Condition	
	Rush	Cool Intact	Observed Temp. °C	
		<input type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temp. °C	
		<input type="checkbox"/> Yes <input type="checkbox"/> No		

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 15, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: WBDU 144H

Enclosed are the results of analyses for samples received by the laboratory on 04/14/21 16:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/14/2021	Sampling Date:	04/14/2021
Reported:	04/15/2021	Sampling Type:	Soil
Project Name:	WBDU 144H	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	LEA COUNTY, NM		

Sample ID: B 2 @ 6" (H210953-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	04/15/2021	ND	400	100	400	0.00	QM-07
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	04/15/2021	ND	190	95.1	200	0.727	
DRO >C10-C28*	<10.0	10.0	04/15/2021	ND	192	96.0	200	5.45	
EXT DRO >C28-C36	<10.0	10.0	04/15/2021	ND					
Surrogate: 1-Chlorooctane	91.8 %	44.3-144							
Surrogate: 1-Chlorooctadecane	92.0 %	42.2-156							

Sample ID: B 4 @ 6" (H210953-02)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4260	16.0	04/15/2021	ND	400	100	400	0.00	

Sample ID: B 5 @ 6" (H210953-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5840	16.0	04/15/2021	ND	400	100	400	0.00		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/14/2021
 Reported: 04/15/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/14/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: B 6 @ 6" (H210953-04)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2400	16.0	04/15/2021	ND	400	100	400	0.00	

Sample ID: B 7 @ 6" (H210953-05)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1960	16.0	04/15/2021	ND	400	100	400	0.00	

Sample ID: B 8 @ 6" (H210953-06)

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2280	16.0	04/15/2021	ND	400	100	400	0.00	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/14/2021
 Reported: 04/15/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/14/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 1 BGS 0-3" (H210953-07) Wall 5 on Map

BTX 8021B		mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/15/2021	ND	2.20	110	2.00	0.443		
Toluene*	<0.050	0.050	04/15/2021	ND	2.11	105	2.00	0.553		
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.09	105	2.00	0.438		
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.22	104	6.00	0.694		
Total BTX	<0.300	0.300	04/15/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	12600	16.0	04/15/2021	ND	400	100	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	04/15/2021	ND	190	95.1	200	0.727	
DRO >C10-C28*	170	10.0	04/15/2021	ND	192	96.0	200	5.45	
EXT DRO >C28-C36	43.5	10.0	04/15/2021	ND					

Surrogate: 1-Chlorooctane 92.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.7 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/14/2021
 Reported: 04/15/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/14/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: W 2 BGS 0-3" (H210953-08) Wall 6 on Map

BTX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/15/2021	ND	2.20	110	2.00	0.443	
Toluene*	<0.050	0.050	04/15/2021	ND	2.11	105	2.00	0.553	
Ethylbenzene*	<0.050	0.050	04/15/2021	ND	2.09	105	2.00	0.438	
Total Xylenes*	<0.150	0.150	04/15/2021	ND	6.22	104	6.00	0.694	
Total BTX	<0.300	0.300	04/15/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9330	16.0	04/15/2021	ND	400	100	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	04/15/2021	ND	190	95.1	200	0.727	
DRO >C10-C28*	12.0	10.0	04/15/2021	ND	192	96.0	200	5.45	
EXT DRO >C28-C36	<10.0	10.0	04/15/2021	ND					

Surrogate: 1-Chlorooctane 91.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.1 % 42.2-156

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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

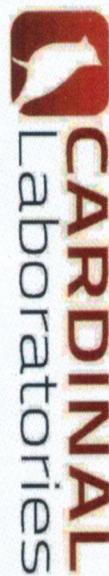
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

April 19, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: WBDU 144H

Enclosed are the results of analyses for samples received by the laboratory on 04/16/21 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is 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: 04/16/2021
 Reported: 04/19/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/16/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W 5 BGS 0-6" (H210989-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2840	16.0	04/19/2021	ND	400	100	400	0.00		

Sample ID: W 7 BGS 0-6" (H210989-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2021	ND	2.21	111	2.00	5.37	
Toluene*	<0.050	0.050	04/16/2021	ND	2.10	105	2.00	5.83	
Ethylbenzene*	<0.050	0.050	04/16/2021	ND	2.09	104	2.00	5.17	
Total Xylenes*	<0.150	0.150	04/16/2021	ND	6.18	103	6.00	5.30	
Total BTEX	<0.300	0.300	04/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	04/19/2021	ND	400	100	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	04/17/2021	ND	188	94.1	200	1.02	
DRO >C10-C28*	<10.0	10.0	04/17/2021	ND	192	95.9	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	04/17/2021	ND					

Surrogate: 1-Chlorooctane 113 % 44.3-144

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/16/2021
 Reported: 04/19/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/16/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W 7 BGS 0-6" (H210989-02)

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Surrogate: 1-Chlorooctadecane	116 %	42.2-156								

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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: 04/16/2021
 Reported: 04/19/2021
 Project Name: WBDU 144H
 Project Number: NONE GIVEN
 Project Location: LEA COUNTY, NM

Sampling Date: 04/16/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: W 8 BGS 0-6" (H210989-03)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/16/2021	ND	2.21	111	2.00	5.37	
Toluene*	<0.050	0.050	04/16/2021	ND	2.10	105	2.00	5.83	
Ethylbenzene*	<0.050	0.050	04/16/2021	ND	2.09	104	2.00	5.17	
Total Xylenes*	<0.150	0.150	04/16/2021	ND	6.18	103	6.00	5.30	
Total BTX	<0.300	0.300	04/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	04/19/2021	ND	400	100	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	04/17/2021	ND	188	94.1	200	1.02	
DRO >C10-C28*	<10.0	10.0	04/17/2021	ND	192	95.9	200	2.90	
EXT DRO >C28-C36	<10.0	10.0	04/17/2021	ND					

Surrogate: 1-Chlorooctane 112 % 44.3-144

Surrogate: 1-Chlorooctadecane 116 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

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

Cardinal Laboratories

*=Accredited Analyte

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

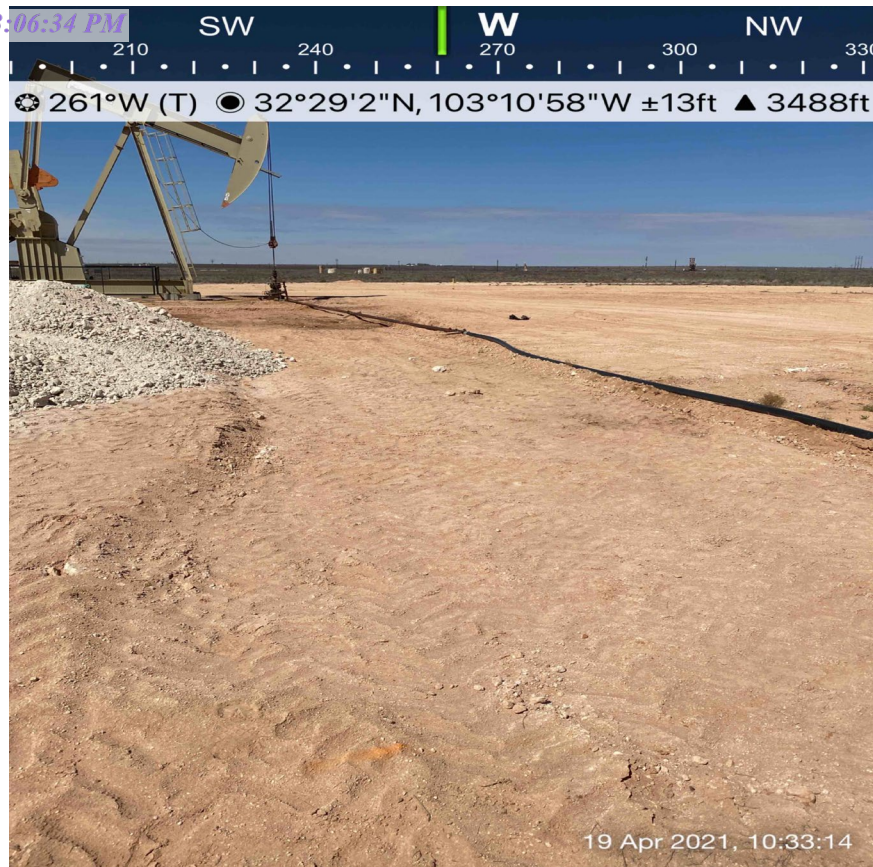
Celey D. Keene, Lab Director/Quality Manager

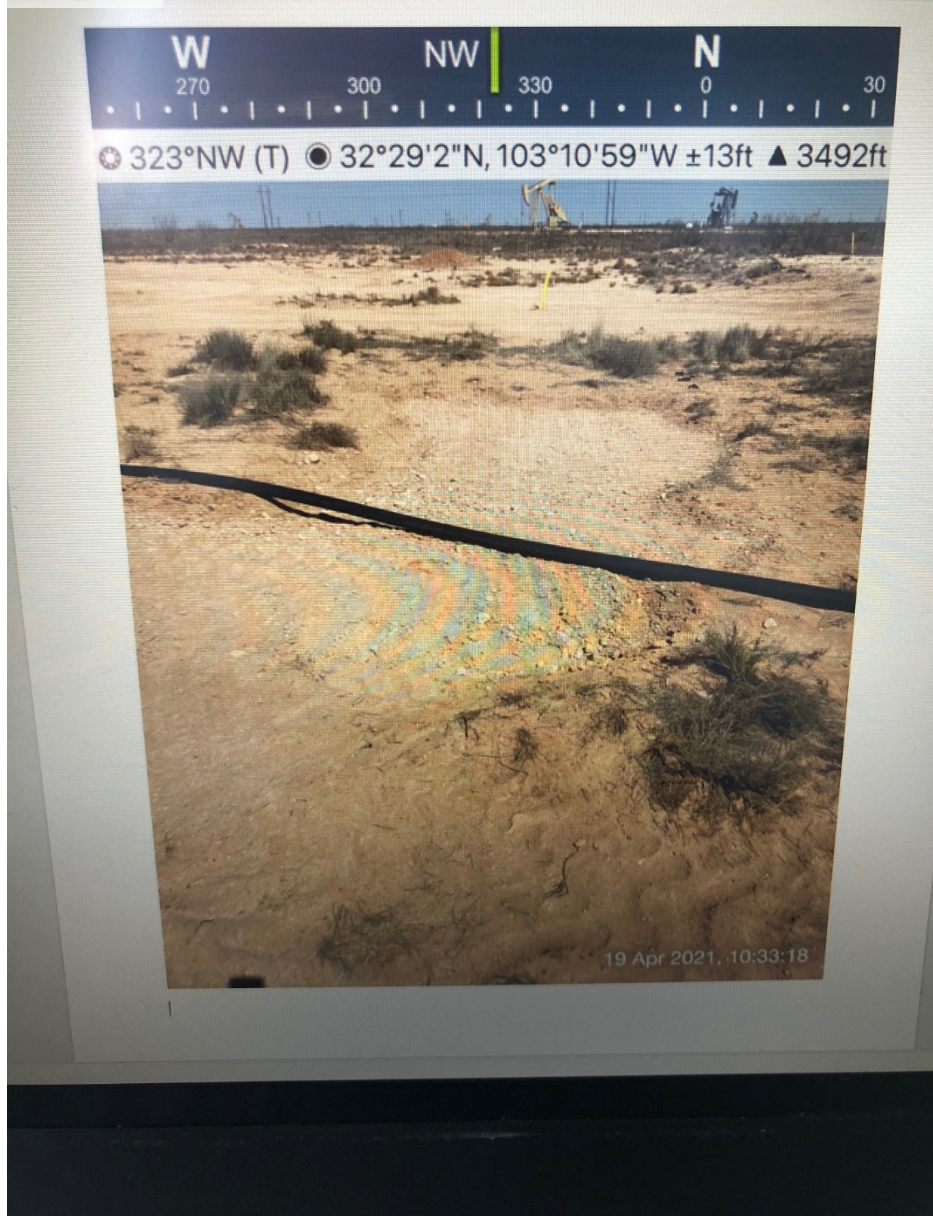


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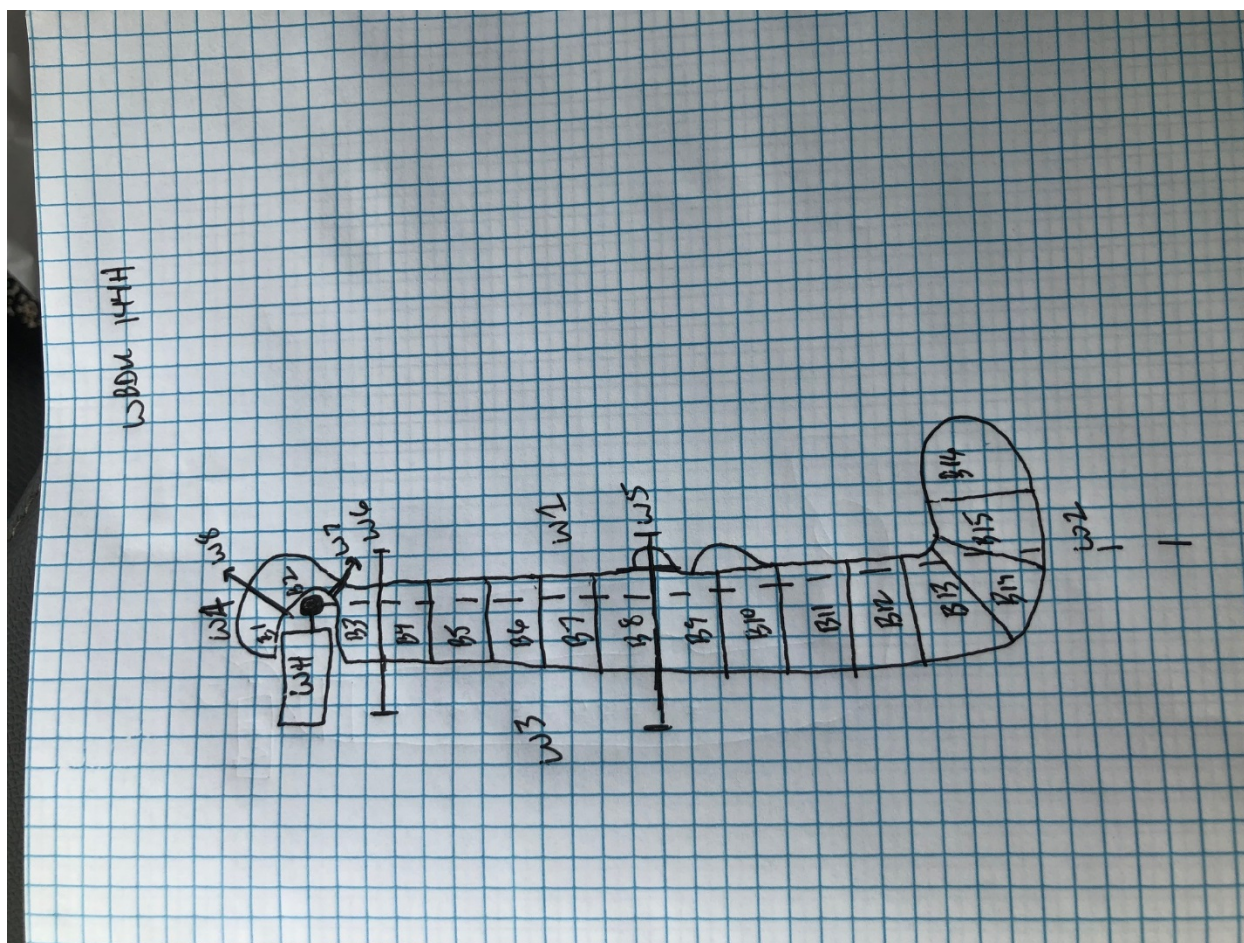
ANALYSIS REQUEST

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1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
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811 S. First St., Artesia, NM 88210
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District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 26955

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 26955
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	None	7/30/2021