

### 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 an 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;

Environmental Technician SR.

Larry.baker@apachecorp.com

Cell# 432-631-6982

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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	g items must be included in the closure report.
A scaled site and sampling diagram as described in 19.15.29	9.11 NMAC
Photographs of the remediated site prior to backfill or photomust be notified 2 days prior to liner inspection)	os of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate Ol	DC District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file cert may endanger public health or the environment. The acceptance should their operations have failed to adequately investigate and human health or the environment. In addition, OCD acceptance compliance with any other federal, state, or local laws and/or regu	belete to the best of my knowledge and understand that pursuant to OCD rules tain release notifications and perform corrective actions for releases which of a C-141 report by the OCD does not relieve the operator of liability remediate contamination that pose a threat to groundwater, surface water, of a C-141 report does not relieve the operator of responsibility for ulations. The responsible party acknowledges they must substantially conditions that existed prior to the release or their final land use in a OCD when reclamation and re-vegetation are complete.
Printed Name: Larry Baker	Title: Environmental Tech SR.
Signature: Larry Baker	Date: <u>5/4/2021</u>
email: larry.baker@apachecorp.com	Telephone: 432-631-6982
OCD Only	
Received by: Chad Hensley	Date:07/30/2021
remediate contamination that poses a threat to groundwater, surface party of compliance with any other federal, state, or local laws an	ty of liability should their operations have failed to adequately investigate and se water, human health, or the environment nor does not relieve the responsible id/or regulations.
Closure Approved by:	Date: <u>07/30/2021</u>
Printed Name: Chad Hensley	Title: Environmental Specialist Advanced



## Final Bottom Samples

Sample Date	Sample ID	Depth	Chloride	Benzene	Toulene	Ethybenz	Total	Total	GRO	DRO	EXT DRO	GPS
•		•	Lab			ene	Xylenes	BTEX				Coordinates
												32.483952,
4/7/2021	B1	3"	7,840	<0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	20	<10.0	-103.183441
												32.483987,
4/7/2021	B2	3"	10,400	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	1500	1510	-103.183431
4/14/2021	B2	6"	1,960						<10.0	<10.0	<10.0	
												32.483983,
4/7/2021	В3	3"	9,730	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	141	191	-103.183373
												32.484003,
4/7/2021	B4	3"	10,100	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	102	35.9	-103.183333
4/14/2021	B4	6"	4,260									22 12121
4/7/2024	D.F.	211	44 200	.0.050	.0.050	.0.050	.0.450	.0.200	40.0	40.0	.40.0	32.484016,
4/7/2021	B5	3" 6"	11,200	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.183298
4/14/2021	B5	б	5,840									32.484032,
4/7/2021	В6	3"	11,500	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.183266
4/14/2021	B6	6"	2,400	<b>\0.030</b>	<b>\0.030</b>	<b>\0.030</b>	\0.130	\0.500	10.0	10.0	10.0	-103.183200
1/11/2021	1 50		2,100									32.484045,
4/7/2021	В7	3"	12,300	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	58.5	17.8	-103.183232
4/14/2021	В7	6"	1,960									
												32.484059,
4/7/2021	B8	3"	12,000	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	137	42.5	-103.183202
4/14/2021	B8	6"	2,280									
												32.484071,
4/7/2021	В9	3"	8,530	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	174	43.4	-103.183165
												32.484084,
4/7/2021	B10	3"	3,920	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	396	105	-103.183133
. /= /		a							4			32.484096,
4/7/2021	B11	3"	2,120	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	118	36.2	-103.183100
4/7/2024	D43	211	2.240	40.050	40.050	40.050	-0.450	40.200	410.0	122	22.7	32.484110,
4/7/2021	B12	3"	3,240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	133	33.7	-103.183062
4/7/2021	D12	3"	4 220	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	104	64.9	32.484123 <i>,</i>
4/7/2021	B13	3	4,320	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	194	64.8	-103.183039

												22 404146
. /= /=												32.484146,
4/7/2021	B14	3"	2,760	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	43.2	36.2	-103.183070
												32.484170,
4/7/2021	B15	3"	2,400	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	-103.183100
												32.484187,
4/7/2021	B16	3"	1,420	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	88.2	20.7	-103.183131
					Fina	l Wall Samp	oles					
												32.484065,
4/7/2021	W1		48.0	<0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	-103.183249
												32.484163,
4/7/2021	W2		32.0	<0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	-103.183069
												32.484034,
4/7/2021	W3		32.0	<0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	-103.183216
												32.483965,
4/7/2021	W4		48.0	<0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	-103.183459
4/14/2021	W5		12,600						<10.0	170	43.5	
												32.483066,
4/16/2021	W5		2,840									-103.183184
												32.483991,
4/14/2021	W6		9,330						<10.0	12.0	<10.0	-103.183353
												32.483989,
4/16/2021	W7		4,240	<0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.183395
												32.483974,
4/16/2021	W8		3,040	<0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	-103.183443



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Received: 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 1 @ 3" (H210882-01)

DTEV 0021D

BTEX 8021B	mg,	kg	Analyze	d 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	110 9	73.3-12	9						
Chloride, SM4500Cl-B	mg,	kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	82.8	% 42.2-15	6						

Analyzed By me

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

ma/ka

 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

Analyzed By: me

Project Location: LEA COUNTY, NM

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

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	ea 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	111	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	121	% 42.2-15	6						

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Celey D. Kreene



04/07/2021

Jodi Henson

Sampling Date:

Sample Received By:

### 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 Sampling Type: Soil
Project Name: WBDU 144H Sampling Condition: Cool & Intact

Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg,	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500CI-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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.7	% 42.2-15	6						

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Celey D. Keene



### Analytical Results For:

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

Fax To: (575) 393-2432

Received: 04/07/2021 Sampling Date: 04/07/2021 Reported: 04/09/2021 Sampling Type: Soil

Project Name: WBDU 144H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/	kg	Analyze	d 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 9	73.3-12	9						
Chloride, SM4500Cl-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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	87.3	% 42.2-15	6						

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Celey D. Keine



LEA COUNTY, NM

ma/ka

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

Analyzed By: me

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

Project Location:

RTFY 8021R

	mg/	9	7	ea 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 9	73.3-12	9						
Chloride, SM4500Cl-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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	77.8	% 42.2-15	5						

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Celeg D. Freene



### Analytical Results For:

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

Fax To: (575) 393-2432

 Received:
 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 6 @ 3" (H210882-06)

BTEX 8021B	mg	/kg	Analyze	d 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	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	83.9	% 42.2-15	6						

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Celey D. Keene



### Analytical Results For:

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

Fax To: (575) 393-2432

 Received:
 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

Analyzed By, me

Project Location: LEA COUNTY, NM

ma/ka

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

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	ea 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	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	83.8	% 42.2-15	6						

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Celey D. Keine



### Analytical Results For:

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

Received: 04/07/2021 Sampling Date: 04/07/2021 Reported: 04/09/2021 Sampling Type: Soil

Project Name: WBDU 144H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/	kg	Analyze	d 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 9	73.3-12	9						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	77.3	% 42.2-15	6						

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04/07/2021

### 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:

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 9 @ 3" (H210882-09)

BTEX 8021B	mg	/kg	Analyze	ed 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	% 73.3-12	9						
Chloride, SM4500Cl-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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.0	% 42.2-15	6						

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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 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 10 @ 3" (H210882-10)

BTEX 8021B	mg,	/kg	Analyze	ed 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	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.4	% 42.2-15	6						

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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 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 11 @ 3" (H210882-11)

BTEX 8021B	mg,	/kg	Analyze	ed 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	107	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	88.1	% 42.2-15	6						

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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 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 12 @ 3" (H210882-12)

BTEX 8021B	mg	/kg	Analyze	ed 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	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	81.1	% 42.2-15	6						

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Celey D. Keine

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
 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 13 @ 3" (H210882-13)

BTEX 8021B	mg	/kg	Analyze	ed 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	108	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	88.3	% 42.2-15	6						

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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 Sampling Date: 04/07/2021 Reported: 04/09/2021 Sampling Type: Soil

Project Name: WBDU 144H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/	kg	Analyze	d 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	108 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.5	% 42.2-15	6						

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04/07/2021

### 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:

Reported: 04/09/2021 Sampling Type: Soil

Project Name: WBDU 144H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg/	/kg	Analyze	d 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 5	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	78.5	% 42.2-15	6						

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Jodi Henson

Sample Received By:

### 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

Reported: 04/09/2021 Sampling Type: Soil
Project Name: WBDU 144H Sampling Condition: Cool & Intact

Project Number: NONE GIVEN
Project Location: LEA COUNTY, NM

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

very True Value QC RPD Qualifies 3 2.00 5.63 4 2.00 4.66 5 2.00 5.16 6 6.00 5.08
2.00 4.66 2.00 5.16
2.00 5.16
6.00 5.08
very True Value QC RPD Qualifie
400 0.00
very True Value QC RPD Qualifie
200 1.37
200 0.330

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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 Sampling Date: 04/07/2021

Reported: 04/09/2021 Sampling Type: Soil
Project Name: WBDU 144H Sampling Condition: Coo

Project Name: WBDU 144H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By, me

Project Location: LEA COUNTY, NM

ma/ka

### Sample ID: W 1 (H210882-17)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	ea 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	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	78.4	% 42.2-15	6						

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04/07/2021

### 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:

Reported: 04/09/2021 Sampling Type: Soil

Project Name: WBDU 144H Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: W 2 (H210882-18)

BTEX 8021B	mg/	kg	Analyze	d 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 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	85.1	% 42.2-15	6						

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04/07/2021

Sampling Date:

### Analytical Results For:

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

Received: 04/07/2021

mg/kg

Reported:04/09/2021Sampling Type:SoilProject Name:WBDU 144HSampling Condition:Cool & IntactProject Number:NONE GIVENSample Received By:Jodi Henson

Project Location: LEA COUNTY, NM

### Sample ID: W 3 (H210882-19)

BTEX 8021B

	9/	9	7	7:					
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	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	75.8	% 42.2-15	6						

Analyzed By: ms

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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
 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

Analyzed By: ms

Project Location: LEA COUNTY, NM

mg/kg

### Sample ID: W 4 (H210882-20)

BTEX 8021B

	9/	9	7	7:					
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	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	75.8	% 42.2-15	6						

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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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Relinquished By

Sampler - UPS - Bus - Other: Delivered By: (Circle One)

Observed Temp. °C 4.1 Corrected Temp. °C

Sample Condition

Time:

Received By:

REMARKS:

All Results are emailed. Please provide Email address:

ONO

Add'I Phone #:

Relinquished By:

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

		THE RESIDENCE AND PARTY OF THE PERSON NAMED IN COLUMN 2 IS NOT THE	ı
Company Name: Roache Corporation	2	BILL TO	ANALYSIS REQUEST
in Oa	P.O. #:		
Address:	Company:	y:	
City: State:	Zip: Attn:		
Phone #: Fax #:	Address:		
Project #: Project Owner:	er: City:		
Project Name: WBDU 144H	State:	Zip:	
1	Phone #:	700	
JETT Brown	Fax #:		
	MATRIX PRESERV	ERV. SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL	DATE TIME	CL- BTEX EXT. TPH
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S 85 @ 311	<	1113	1 1 1
6 860 311	<u> </u>	1115	
7 870 3"	•	רווו	
8 080 311	<u> </u>	1119	7 / 7
9 89 0 3"		1121	
10 810 @ 3"		4/2/4 423	

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

Thermometer ID #113
Correction Factor None

Turnaround Time:

Standard Rush

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C

Yes Yes
No Corrected Temp. °C

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

P.O. #:    Company:   Company:   Address:   Zip:   Phone #:   Fax #:   PRESERV   SAMPLING   PRESERV   PRE	Bacteria (only) Sample Condition  Cool Intact Observed Temp. °C  Ves Yes	_	ā D	Standard Rush	me: #113	Turnaround Time: Thermometer ID #1: Correction Factor No	,	CHECKED BY:	es	Sample Condition Cool Intact Yes Yes	Sampl	-	å å	Observed Temp. °C Corrected Temp. °C	,	Delivered By: (Circle One) Sampler - UPS - Bus - Other:
ANALYSIS REQUEST  STEX  EXT. TPH  EXT. TPH  Pes														Time:		
ANALYSIS REQUEST  ANALYSIS REQUEST  FEXT. TOH  FOR TON Add'! Phone #:  Mailed. Please provide Email address:						EMARKS:	70	1001	2	3	By:	ceive	Z _	Date:	non	Relinquished By:
ANALYSIS REQUEST		e Email address	provide	. Please	emailed.	Results are	A	100	2	M	J. by.	Selve	1 /2	Time:		Kellinduisined by:
BTEX EM. TPH		dd'i Phone #		1		ns or otherwise.	bove stated reason	upon any of the a	im is based	er such cla	s of whether	ut limitation	by Cardin	onsequental damages, incliance of services hereunder	inal be liable for incidental or cout of or related to the perform	affiliates or successors arising
pany Name: Apack Covertion  ANALYSIS REQUEST  East: State: Zip: Atm.  East: Project Owner: City: State: Zip:  Ect Location: LUBUL HYHH  Bler Name: LUBUL HYHH  Bler Name: LUBUL HYHH  Bler Name: LUBUL HYHH  Bler Name: LUBUL HYHH  Bloom #:  Black: Zip: Atm.  Andress:  City: State: Zip:  Phone #:  Phone #:  Phone #:  Pressenvi samplung  Pressenvi s						the client for the mpletion of the app	the amount paid by in 30 days after co.	hall be limited to t d by Cardinal with	act or tort, s	ed in contr	hether basi	im arising waived up	for any cla	d client's exclusive remedy ther cause whatsoever shal	Damages. Çardinal's liability an those for negligence and any o	PLEASE NOTE: Liability and I analyses. All claims including
PAINAMER PROJECT OWNERS  Bess:  State: Zip: Address:  Location: WSML PHH  Der Name: MFF Fawm  Address: Zip: Address:  Ed. Location: WSML PHH  Der Name: MFF Fawm  Der			_		-											
Darly Name: Apack Covation  ot Manager: Runc falls  ess:  State: ZIp: Attn:  conpany:  est. Company:  ot Location: LUBDUL HYH  project Owner: City:  State: Zip: Address:  ct Location: LUBDUL HYH  phone #:  plet Name: LETF Faum  phone #:  preservi Samplu Nor (Size Soil Size City City)  phone #:  preservi Samplu Nor (Size Soil Size City City)  preservi Samplu Nor (Size Soil Size Soil																
Dany Name: Charle Constitution  State: State: Zip: Attn:  Le#: Fax#: Project Owner: City:  State: Zip: Attn:  Address:  City: State: Zip:  Address: Phone #:  Poly Constance #:  Dier Name: WFF Fawn  AB DEFORM  AB DEFORM  PRESERV. SAMPLING  PR													+			
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pany Name: Apack Constitution P.O. #:  ess: State: Zip: Company:  ess: State: Zip: Attn:  cct #: Project Owner: City: Attn:  cct Name: WBW MYH  poler Name: WFF Faum  Address: Zip: Attn:  Fax #: Address:  City: State: Zip:  Doin Name: WFF Faum  Phone #:  Phone #:  Phone #:  PARESERV SAMPLING  PRESERV				1	1	1:33	17/21	2.5			*				815034	20
pany Name: Apack County of the part of the pany of the				7	1	1:3/	1				4		-		814 @ 300	71
pany Name: Madde Cyprading  part Manager: Rune falls  set Manager: Rune falls  State: Zip: Company:  be #: Fax #: Company:  ct Name: WBM MYH  project Owner: City: Address:  ct Name: WBM MYH  pler Name: WBM		7		1	1	29 "	//.				<				813@3"	25
pany Name: Apache Cypination  Ess:  State: Zip: Attn:  Eax #:  Company:  Address:  City: Address:  City: State: Zip:  City: Address:  City: State: Zip:  DIET Name: WET Faum  Phone #:  Fax #:  DIET Name: WET Faum  Phone #:  Fax #:  Fax #:  DIET Name: WET Faum  Phone #:  Fax #:  DOTHER ASSOL  OTHER ASSOL		•		<	1	1:27	//				•				312 @ 3"	77
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Pany Name: Apacke Cypuration  State: Size: State: Zip: Company:  Def: Fax #: Address:  City: State: Zip: Address:  City: State: Zip:  City: State: Zip:  City: State: Zip:  Phone #: Fax #: Fax #: Fax #:  Ploer Name: LABUL HYHH  Project Owner: State: Zip:  City: State: Zip:  Fax #: Fax #: Fax #: Fax #:  Phone #: Fax #: Fax #: Fax #:  Phone #: Fax #: Fax #: Fax #: Fax #:  Phone #: Fax #: Fax #: Fax #: Fax #: Fax #:  Phone #: Fax				EKT.			DATE	ICE / COC	OTHER:	OIL	WASTEW	# CONTAI	(G)RAB O	į	Campia	HC10882
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pany Name: Wacke Cyperation  ct Manager: Succ Malue  State: Zip: Attn:  ess: State: Zip: Attn:  pe#: Fax #: Address:  ct #: Project Owner: City:  ct Location: WSMU 144H  pler Name: WFF Sum  Fax #: Fax #:  Phone #:  Fax #:  Fax #:		7				NG	SAMPL	RESERV.	77	ATRIX	M					FOR LAB USE ONLY
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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(5/5) 555-2520	20 FAA (3/3) 333-24/0								
Company Name: Grache	Cospuration		BILL TO				ANA	ANALYSIS REQ	REQUEST
Project Manager: Bruss	Bal	P.O.	0.#:				(a)		
Address:		Со	Company:						
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Project Name: WBOUL	HAHI	Sta	State: Zip:						
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	P.	MATRIX	PRESERV. SAMPLING	LING	7		T I		
Lab I.D. Sam	G)RAB OR (C)OMF	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER :	TIME CL-	BTEX	EXT. TPH			
17 W1	_	<		1288	<	1			
18 W2		<b>V</b>	1/7/21	127	, <				
2 VW		<	(1/7/1)	1224	-	1			
10 W4		-	4/1/2	1231	7	-			
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoewer shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applical 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 vancescens arising out of or replaced to the performance of services hereunder by Cardinal repartiess of whether such claim is based upon any of the above stated reasons or otherwise.	bility 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 any other cause whatsoever shall be deemed waived unless made in writing and received by Cadfinal within 30 days after completion of the lad or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries for the consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries of whether such claim is based upon any of the above stated reasons or otherwise.	ng whether based in contract or tort ed unless made in writing and recei ation, business interruptions, loss of rdless of whether such claim is basis	, shall be limited to the amount paid wed by Cardinal within 30 days after use, or loss of profits incurred by cl ad upon any of the above stated rea	by the client for the completion of the applica ent, its subsidiaries, sons or otherwise.	ble				
5 5	-	Received By:	1/8/1	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	□ Yes mailed. I	s ☐ No Please pro	Add'	Add'I Phone #: de Email address:	
Relinquished By:	Date: Reger	Regerved By:		REMARKS:					
Delivered By: (Circle One)	Observed Temp. °C 4,	Sample Condition Cool Intact	CHECKED BY:	Turnaround Time:	<u>.</u>	Standard Rush		Bacteria (only) Cool Intact	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C	No No No	1	Thermometer ID # Correction Factor	#113 None			No No	Corrected Temp. °C



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



04/14/2021

Soil

### 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:
Reported: 04/15/2021 Sampling Type:

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	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	92.0	% 42.2-15	6						

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

Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	Analyze	d 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	

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### 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 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 04/15/2021 400 400 0.00 16.0 ND 100

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

Chloride, SM4500Cl-B Analyzed By: AC mg/kg BS True Value QC RPD Analyte Result Reporting Limit Analyzed Method Blank Qualifier % Recovery 1960 16.0 04/15/2021 400 400 0.00 Chloride ND 100

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

Chloride, SM4500Cl-B mg/kg Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 2280 04/15/2021 ND 400 400 0.00 16.0 100

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Celeg & Keene



04/14/2021

Soil

### 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: Reported: 04/15/2021 Sampling Type:

Project Name: WBDU 144H Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: LEA COUNTY, NM

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

Analyte	Result	Donouting Limit							
·	resure	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 BTEX	<0.300	0.300	04/15/2021	ND					

Surrogate: 4-Bromojiuorobenzene (PID	101 %	/3.3-129	

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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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Celeg D. Keene



### 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 Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: LEA COUNTY, NM

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

BTEX 8021B	mg	/kg	Analyze	d 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 BTEX	<0.300	0.300	04/15/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	96.1	% 42.2-15	6						

Surrogate: 1-Chlorooctadecane

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Keene



### **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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Celeg D. Keine

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(5/5) 393-2325 FAX (5/5) 393-24/5	X (5/5) 353-24/6			
Company Name:		BILL TO	A	ANALYSIS REQUEST
roject Manager:		P.O. #:		
Address:		Company:		
Sity: Holybs	State: MQA Zip: <\2010)	Attn:		
Ф		Address:		
oroject #:	Project Owner:	City:		
roject Name:		State: Zip:		
on: INRDIA	HHHI	Phone #:		
100000000000000000000000000000000000000	0.1	Fax #:		7
FOR LAB USE ONLY	MATRIX	PRESERV.	SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL	OIL SLUDGE OTHER: ACID/BASE: ICE/COOL OTHER:	EXT TPH BTEX	
-	C - X	13/4		
W 103 06			10.28	
			11:30 /	
			11:32	
688 860	0		11:30	
7 WIRES 0-3"	C		1:55	
V	C'-	1 4/14	(137 / / /	
*LEASE NOTE: Lability 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	nt's exclusive remedy for any claim arising whether based in	contract or tort, shall be limited to the amount pair	d by the client for the	
nalyses. All claims including those for negligence and any other cause whatsoever shall be deemed waked unless made in writing and received by Cardinal writing and received by Cardinal writing and received by Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, and the performance of services hereuroder by Cardinal, regardless of which are actived some arising out of or related to the performance of services hereuroder by Cardinal, regardless of which are actived some any of the above stated reasons or otherwise.	ause whatsoever shall be deemed waked unless made in writing and received by cationals writin a clays airet compression or rectains a water shall be deemed waked unless made in writing and received by cational writing the first associations, loss of use, or loss of poofits incurred by client, its substactions, loss of use, or loss of poofits incurred by client, its substactions, loss of use, or loss of poofits incurred by client, its substactions, loss of use, or loss of poofits incurred by client, its substactions, loss of use, or loss of poofits incurred by client in the substaction of the poofits of the substaction of the substa	writing and received by Cardinal within 30 days are ruptions, loss of use, or loss of profits incurred by o ich ದೇವೆಣ ಜ haved upon any of the above stated re	philana	
Relinquished By:	Date Received By:	of Milable	ult: □ Yes □ No are emailed. Please prov	Add'l Phone #: ide Email address:
Relinquished By:	Date: Received By:		REMARKS:	
Delivered By: (Circle One) Ob	4.1	tion CH	Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other: Co	Corrected Temp. °C	A VO	Thermometer ID #113 Correction Factor None	No Corrected Temp. °C



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 <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



# Analytical Results For:

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

Received: 04/16/2021 Reported: 04/19/2021 Project Name: WBDU 144H

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	Analyze	d 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	Analyze	ed 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					
Ethylbenzene* Total Xylenes*	<0.050 <0.150	0.050 0.150	04/16/2021	ND ND	2.09	104	2.00	5.17	

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

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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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Celeg & Freene



# Analytical Results For:

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

Fax To: (575) 393-2432

Received: 04/16/2021 Sampling Date: 04/16/2021

Reported: 04/19/2021 Sampling Type: Soil

Analyzed

Project Name: WBDU 144H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: LEA COUNTY, NM

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

Analyte

TPH 8015M mg/kg Analyzed By: MS

Method Blank

BS

% Recovery

True Value QC

RPD

Qualifier

Surrogate: 1-Chlorooctadecane 116 % 42.2-156

Result

Reporting Limit

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



# Analytical Results For:

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

Fax To: (575) 393-2432

Received: 04/16/2021 Sampling Date: 04/16/2021

Reported: 04/19/2021 Sampling Type: Soil

Project Name: WBDU 144H Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: LEA COUNTY, NM

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

RTFY 8021R

Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	04/16/2021	ND	2.21	111	2.00	5.37	
<0.050	0.050	04/16/2021	ND	2.10	105	2.00	5.83	
<0.050	0.050	04/16/2021	ND	2.09	104	2.00	5.17	
<0.150	0.150	04/16/2021	ND	6.18	103	6.00	5.30	
<0.300	0.300	04/16/2021	ND					
103 %	6 73.3-12	9						
mg/	kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
3040	16.0	04/19/2021	ND	400	100	400	0.00	
mg/	kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	04/17/2021	ND	188	94.1	200	1.02	
<10.0	10.0	04/17/2021	ND	192	95.9	200	2.90	
<10.0	10.0	04/17/2021	ND					
112 %	6 44.3-14	4						
116 %	6 42.2-15	6						
	<0.050 <0.050 <0.050 <0.150 <0.300  103 % mg/ Result 3040 mg/ Result <10.0 <10.0 <10.0	<ul> <li>&lt;0.050</li> <li>&lt;0.050</li> <li>&lt;0.050</li> <li>&lt;0.050</li> <li>&lt;0.050</li> <li>&lt;0.150</li> <li>&lt;0.300</li> <li>&lt;0.300</li> <li>73.3-12 mg/kg </li> <li>Result Reporting Limit</li> <li>3040 16.0</li> <li>mg/kg</li> <li>Result Reporting Limit</li> <li>&lt;10.0</li> <li>&lt;10.0</li> <li>&lt;10.0</li> <li>&lt;10.0</li> <li>&lt;10.0</li> <li>&lt;10.0</li> <li>&lt;10.0</li> <li>&lt;10.0</li> </ul>	<0.050	<0.050	<0.050	<0.050	<0.050	<0.050

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# **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

\*\* Samples not received at proper temperature of 6°C or below.

\*\*\* Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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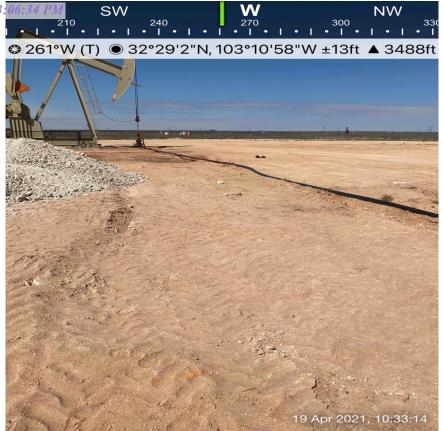
Celey D. Keene



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

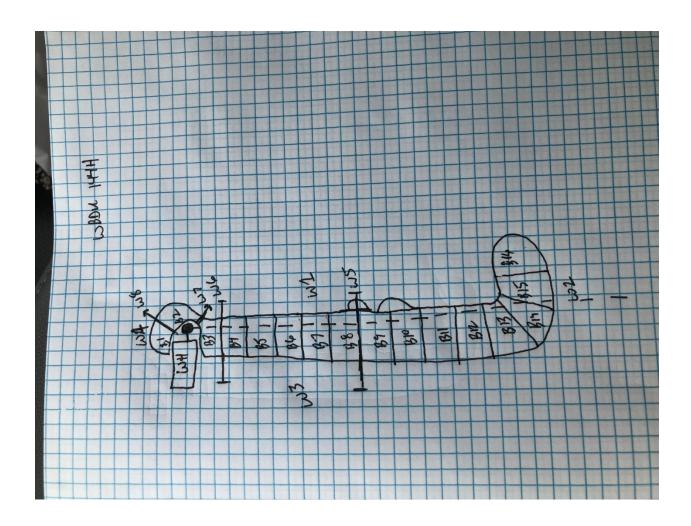
101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

(010) 000-6020 FMA (010) 000-2410					
Company Name: April 1	6934FA	BILL TO		ANALYSIS REQUEST	
Project Manager: J. Brown		P.O. #:			
Address:		Company:			
City: Holobs State: J. Zip: 88940	)	Attn:			
7		Address:			
Project #: Project Owner:		City:			
Project Name:	6	State: Zip:			
Project Location: WBDW 1444		Phone #:			
Que		Fax #:			
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	NG		
Lab I.D. Sample I.D. 위210여명의	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: CE) COOL OTHER:	C/ EX-TPH BTEXX	878 X	
10		_ (			
7	0	1 4/16	12:02 X X	8	
ws B65 6-6"	0	9117	iscu X		
PLEASE NOTE: Liability and Damages. Cardina's liability and client's exclusive remoty for any claim arising whether based in contract or lort, shall be finited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental 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 thereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	a remedy for any claim arising whether based in contract or fort, shall be limited to the amount p ever shall be deemed waived unliess made in writing and received by Cardinal within 30 days at ggs. Including without limitation, business interruptions, loss of use, or loss of profits incurred by ereunder by Cardinal, regardless of whether such claim is based upon any of the above stated	r tort, shall be limited to the amount paid eceived by Cardinal within 30 days after ss of use, or loss of profits incurred by cl based upon any of the above stated rea	I by the client for the completion of the applicable lient, its subsidiaries, sons or otherwise.		
hed By:  Date:  Trips: hed By: Date:	Received By:		Phone Result:	□ No Add'l Phone #: □ No Add'l Fax #:	
	Newerved by.		The Three	5	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: 5.2°/#113	Sample Condition Cool Intact Yes Yes	n CHECKED BY:			









District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720

District II 811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III 1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 26955

# **CONDITIONS**

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

### CONDITIONS

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