

# State of New Mexico Oil Conservation Division

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

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.

✓ Photographs of the remediated site prior to backfill or photos o must be notified 2 days prior to liner inspection)	f the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC)	District office must be notified 2 days prior to final sampling)
Description of remediation activities	
	cdiate contamination that pose a threat to groundwater, surface water, C-141 report does not relieve the operator of responsibility for ons. The responsible party acknowledges they must substantially litions that existed prior to the release or their final land use in
Printed Name: _Jeffrey Broom	Title: Environmental Tech III
Signature: Jeff Broom	Date: 8/6/2021
	Felephone: 432,448,5789
OCD Only	
OCD Only  Received by: Chad Hensley	Date: 09/02/2021
Received by: Chad Hensley  Closure approval by the OCD does not relieve the responsible party or remediate contamination that poses a threat to groundwater, surface we party of compliance with any other federal, state, or local laws and/or	f liability should their operations have failed to adequately investigate and ater, human health, or the environment nor does not relieve the responsible
Closure approval by the OCD does not relieve the responsible party or remediate contamination that poses a threat to groundwater, surface we party of compliance with any other federal, state, or local laws and/or Closure Approved by:	f liability should their operations have failed to adequately investigate and ater, human health, or the environment nor does not relieve the responsible regulations.  Date: 09/02/2021
Closure approval by the OCD does not relieve the responsible party or remediate contamination that poses a threat to groundwater, surface we party of compliance with any other federal, state, or local laws and/or Closure Approved by:	f liability should their operations have failed to adequately investigate and ater, human health, or the environment nor does not relieve the responsible regulations.
Closure approval by the OCD does not relieve the responsible party or remediate contamination that poses a threat to groundwater, surface we party of compliance with any other federal, state, or local laws and/or Closure Approved by:	f liability should their operations have failed to adequately investigate and ater, human health, or the environment nor does not relieve the responsible regulations.  Date: 09/02/2021
Closure approval by the OCD does not relieve the responsible party or remediate contamination that poses a threat to groundwater, surface we party of compliance with any other federal, state, or local laws and/or Closure Approved by:	f liability should their operations have failed to adequately investigate and ater, human health, or the environment nor does not relieve the responsible regulations.  Date: 09/02/2021
Closure approval by the OCD does not relieve the responsible party or remediate contamination that poses a threat to groundwater, surface we party of compliance with any other federal, state, or local laws and/or Closure Approved by:	f liability should their operations have failed to adequately investigate and ater, human health, or the environment nor does not relieve the responsible regulations.  Date: 09/02/2021



# Closure Report

Re: NB Tween Battery Case # nAPP2035256502

August 6, 2021

On 12/7/2020 a release occurred due to a fire tube failure on a heater treater. The release (GPS: 32.80780, -104.12436) is located east of Artesia, NM in unit letter H section 25 township 17S range 28E. A groundwater survey was conducted utilizing NMOSE and USGS wells of record and a temporary well (GPS: 32.804896, -104.105169) drilled on 5/26/2011 1.1 miles southeast of the release. The well was advanced to a depth of 100 feet and set with 2-inch PVC casing and screen from 80 to 100 feet. On 6/25/2011 a Solinist Water Level Meter was utilized to check for water accumulation with the borehole. The meter indicated no water had accumulated to a total depth of 99.12 feet. This data suggests that the depth to groundwater beneath the release to be 51-100 feet.

On 2/10/2021 surface samples were collected at SP 1, 2, and 3. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. On 2/26/2021 vertical delineation was conducted utilizing a hand auger to various depths of 1 to 9 feet. All samples collected were field titrated for chlorides and representative samples were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Horizontal 5-point surface composite samples were collected and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX.

On 06/16/2021 the areas around SP 1 and SP 2 were hand excavated to a depth of 1 foot. On 07/08/2021 final 5-point bottom and wall samples were collected not to exceed 200 square feet. Al samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Laboratory results shows all samples are below table one standards for releases 51-100 feet to groundwater. All excavated material (48 yards) was hauled to an OCD approved disposal facility. The excavation was then backfilled with clean imported caliche.

Apache Corporation has completed remediation to below table one standards and respectfully request event #nAPP2035256502 be closed.

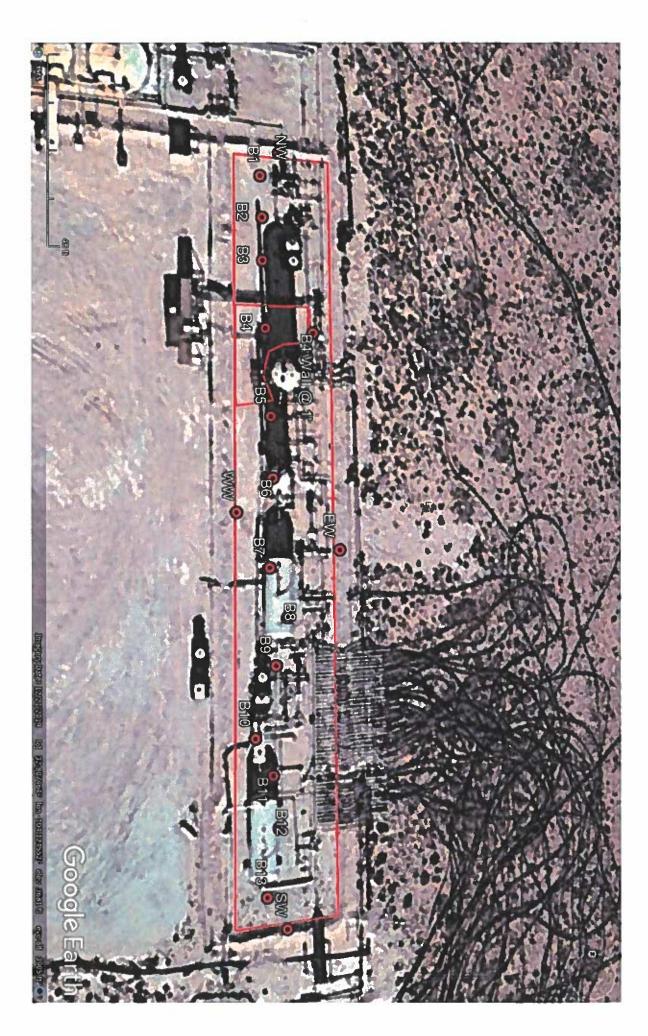
Released to Imaging: 9/2/2021 7:41:15 AM

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

Submitted by.

Environmental Technician III
Jeffrey.Broom@apachecorp.com
Cell# 432-448-5789

Off# 575-393-7106



Sample	Sample ID	Depth	Chloride	Benzene	Toulene	Ethybenzene	Total	Total	GRO	DRO	EXT DRO
Date						i	Xylenes	втех			
Final Bottom Samples	Samples										
7/8/2021	81	S	208	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	33.4	15.8
7/8/2021	82	S	96	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	30.2	15.1
7/8/2021	83	S	592	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	94.6	50.9
7/8/2021	B4 @ 1'	1'	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
7/8/2021	85	S	416	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	49.5	21.8
7/8/2021	86	S	496	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	77.2	40.7
7/8/2021	87	S	336	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	32.7	19.1
7/8/2021	88	S	640	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	86.3	54.4
7/8/2021	В9	S	688	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	122	65.6
7/8/2021	810	S	528	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	82.1	48.5
7/8/2021	811	S	432	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	104	54.5
7/8/2021	812	S	448	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	67.8	33
7/8/2021	813	S	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
Final Wall Samples	nples					:					
7/8/2021	B4 Wall@1'	1'	1410	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	192	109
7/8/2021	ww	S	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
7/8/2021	WN	S	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10	<10.0
7/8/2021	WS	S	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
7/8/2021	EW	S	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.3	13.3

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July 13, 2021

**BRUCE BAKER** 

**APACHE CORP - HOBBS** 

2350 W. MARLAND BLVD.

HOBBS, NM 88240

**RE: NB TWEEN** 

Enclosed are the results of analyses for samples received by the laboratory on 07/08/21 17:00.

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/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

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.

Celeg L. 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

Received by OCD: 8/6/2021 8:55:21 AM

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: Reported: 07/08/2021

07/13/2021

Project Name: Project Number: **NB TWEEN NB TWEEN BATTERY** 

Sampling Date:

Sampling Type:

Sampling Condition: Sample Received By: 07/08/2021

Soil

Cool & Intact Tamara Oldaker

Project Location:

**EDDY COUNTY** 

Sample ID: B 1 @ SURFACE (H211779-01)

BTEX 80218	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	07/10/2021	ND	2.17	109	2.00	0.0766	
Toluene*	<0.050	0.050	07/10/2021	ND	2.05	102	2.00	0.294	
Ethylbenzene*	<0.050	0.050	07/10/2021	ND	1.99	99.3	2.00	0.0953	
Total Xylenes*	<0.150	0.150	07/10/2021	ND	6.03	101	6.00	0.388	
Total BTEX	<0.300	0.300	07/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIC	112.9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/13/2021	ND	432	108	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	07/13/2021	ND	203	102	200	0.593	
DRO >C10-C28*	33.4	10.0	07/13/2021	ND	208	104	200	0.625	
EXT DRO >C28-C36	15.8	10.0	07/13/2021	ND					
Surrogate: 1-Chlorooctane	68.8	% 44.3-13	13						
Surrogate: 1-Chlorooctadecane	67.2	% 38.9-14	12						

\*=Accredited Analyte Cardinal Laboratories

any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be lable for inoderital or consequential damages, including, without limitation, business interruptions, loss of use, or loss of use, or loss of profits incurred by clerkin, 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 Laboratones.





# Analytical Results For:

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

Received: 07/08/2021 Reported: 07/13/2021

Project Name: **NB TWEEN** Project Number: **NB TWEEN BATTERY** 

Project Location: **EDDY COUNTY**  Sampling Date:

07/08/2021 Sampling Type: Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

# Sample ID: B 2 @ SURFACE (H211779-02)

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	07/10/2021	ND	2.17	109	2.00	0.0766	
Toluene*	<0.050	0.050	07/10/2021	ND	2.05	102	2.00	0.294	
Ethylbenzene*	< 0.050	0.050	07/10/2021	ND	1.99	99.3	2.00	0.0953	
Total Xylenes*	<0.150	0.150	07/10/2021	ND	6.03	101	6.00	0.388	
Total BTEX	<0.300	0.300	07/10/2021	ND					
Surrogate: 4-Bromoftuorobenzene (PIE	113 9	69.9-14	10						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/13/2021	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualiner
GRO C6-C10*	<10.0	10.0	07/13/2021	ND	203	102	200	0.593	
DRO >C10-C28*	30.2	10.0	07/13/2021	ND	208	104	200	0.625	
EXT DRO >C28-C36	15.1	10.0	07/13/2021	ND					
Surrogate: 1-Chlorooctane	74.5	% 44.3-13	13						
Surrogate: 1-Chlorooctadecane	73.0	% 38.9-14	12						

\*=Accredited Analyte Cardinal Laboratories

any other clause whatsoever shall be deemed waived unless made in whong and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be hable for inodential or consequential damages, including, without immitation, business interruptions, loss of use, or loss of profits incurred by clernt, its subsidiants, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claims 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.





# Analytical Results For:

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

Fax To:

(575) 393-2432

Received: Reported: 07/08/2021

07/13/2021

Project Name: Project Number: NB TWEEN BATTERY

Project Location:

NB TWEEN BATTERY EDDY COUNTY

Sampling Date:

07/08/2021

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

# Sample ID: B 3 @ SURFACE (H211779-03)

BTEX 80218	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	07/10/2021	ND	2.17	109	2.00	0.0766	
Toluene*	<0.050	0.050	07/10/2021	ND	2.05	102	2.00	0.294	
Ethylbenzene*	<0.050	0.050	07/10/2021	ND	1.99	99.3	2.00	0.0953	
Total Xylenes*	<0.150	0.150	07/10/2021	ND	6.03	101	6.00	0.388	
Total BTEX	<0.300	0.300	07/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIL	1125	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	07/13/2021	ND	432	108	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	07/13/2021	ND	203	102	200	0.593	
DRO >C10-C28*	94.6	10.0	07/13/2021	ND	208	104	200	0.625	
EXT DRO >C28-C36	50.9	10.0	07/13/2021	ND					
Surrogate: 1-Chlorooctane	72.5	% 44.3-13	13						
Surrogate: 1-Chlorooctadecane	73.4	% 38.9-14	12						

Cardinal Laboratories \*=Accredited Analyte

Any other cluste whatsaever shall be deemed warved unless made in which makes made in which makes any other completion of the applicable service. In no event shall be deemed warved unless made in which makes made ma





# Analytical Results For:

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

Received:

07/08/2021

Sampling Date:

07/08/2021

Reported:

07/13/2021 NB TWEEN Sampling Type:

Soil

Project Name: Project Number:

NB TWEEN BATTERY

Sampling Condition:

Cool & Intact

Project Location:

EDDY COUNTY

Sample Received By:

Tamara Oldaker

# Sample ID: B 4 @ 3' (H211779-04)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2021	ND	2.17	109	2.00	0.0766	
Toluene*	<0.050	0.050	07/10/2021	ND	2.05	102	2.00	0.294	
Ethylbenzene*	<0.050	0.050	07/10/2021	ND	1.99	99.3	2.00	0.0953	
Total Xylenes*	<0.150	0.150	07/10/2021	ND	6.03	101	6.00	0.388	
Total BTEX	<0.300	0.300	07/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIE	112	% 69.9-14	0						
Chloride, SM4500CI-8	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/13/2021	ND	432	108	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	07/13/2021	ND	203	102	200	0.593	
DRO >C10-C28*	<10.0	10.0	07/13/2021	ND	208	104	200	0.625	
EXT DRO >C28-C36	<10.0	10.0	07/13/2021	ND					
Surrogate: 1-Chlorooctane	72.8	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	68.3	% 38.9-14	2						

Cardinal Laboratories \*=Accredited Analyte

RLEASE NOTE: Liabbility and Damages. Cardinal's labbility and chemit's eaclusive remedy for any claim arrang, whiether based in contract or tone, shall be lamited to the amount paid by clean for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unlets made in writing and received by Cardinal within thirty. (30) days after completion of the applicable service. In no event shall Cardinal be labble for incidental or consequential diamages, including, without limitation, business interruptions, loss of use, or loss of profits incidently standards, afflicities or successors arong out or or related to the performance of the services hereunder by Cardinal, regardless of whether such claims absent 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.





# Analytical Results For:

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

Received:

07/08/2021

Sampling Date:

07/08/2021

Reported:

07/13/2021 NB TWEEN Sampling Type:

Soil

Project Name: Project Number:

NB TWEEN BATTERY

Sampling Condition:

Cool & Intact

Project Location:

EDDY COUNTY

Sample Received By:

Tamara Oldaker

# Sample ID: B 5 @ SURFACE (H211779-05)

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	07/10/2021	ND	2.17	109	2.00	0.0766	
Toluene*	<0.050	0.050	07/10/2021	ND	2.05	102	2.00	0.294	
Ethylbenzene*	<0.050	0.050	07/10/2021	ND	1.99	99.3	2.00	0.0953	
Total Xylenes*	<0.150	0.150	07/10/2021	ND	6.03	101	6.00	0.388	
Total BTEX	<0.300	0.300	07/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIL	113	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/13/2021	ND	432	108	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	07/13/2021	ND	203	102	200	0.593	
DRO >C10-C28*	49.5	10.0	07/13/2021	ND	208	104	200	0.625	
EXT DRO >C28-C36	21.8	10.0	07/13/2021	ND					
Surrogate: 1-Chlorooctane	72.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	71.0	% 38.9-14	2						

Cardinal Laboratories \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardana's labelity and client's acidistive namedy for any Glam anamy, whether based in contract or tort, shall be hinted to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waved 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, whose limitation, business interruptions, loss of use, or loss of profits incrured by client, its subsidiance, affiliates or successors arong out of or related to the performance of the services hereunder by Cardinal, regardless of whether such its an 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 vention approval of Cardinal Laboratomes.



# Analytical Results For:

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

Received: Reported: 07/08/2021

07/13/2021

Project Name: Project Number: **NB TWEEN** 

**EDDY COUNTY** 

Project Location:

**NB TWEEN BATTERY** 

Sampling Date:

07/08/2021

Sampling Type:

Sample Received By:

Soil Sampling Condition:

Cool & Intact

Tamara Oldaker

# Sample ID: B 6 @ SURFACE (H211779-06)

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	07/10/2021	ND	2.17	109	2.00	0.0766	
Toluene*	<0.050	0.050	07/10/2021	ND	2.05	102	2.00	0.294	
Ethylbenzene*	<0.050	0.050	07/10/2021	ND	1,99	99.3	2.00	0.0953	70
Total Xylenes*	<0.150	0.150	07/10/2021	ND	6.03	101	6.00	0.388	
Total BTEX	<0.300	0.300	07/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIE	112 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	07/13/2021	ND	432	108	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	07/13/2021	ND	203	102	200	0,593	
DRO >C10-C28*	77.2	10.0	07/13/2021	ND	208	104	200	0,625	
EXT DRO >C28-C36	40.7	10.0	07/13/2021	ND					
Surrogate: 1-Chlorooctane	74.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.6	% 38.9-14	12						

\*=Accredited Analyte Cardinal Laboratories

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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: Reported: 07/08/2021

07/13/2021

NB TWEEN

Project Name: Project Number:

NB TWEEN BATTERY

Project Location:

EDDY COUNTY

Sampling Date:

07/08/2021

Sampling Type:

Soil

Sampling Condition:

Cool & Intact

Sample Received By:

Tamara Oldaker

# Sample ID: B 7 @ SURFACE (H211779-07)

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	07/10/2021	ND	2.17	109	2.00	0.0766	
Toluene*	<0.050	0.050	07/10/2021	ND	2.05	102	2.00	0.294	
Ethylbenzene*	<0.050	0.050	07/10/2021	ND	1.99	99.3	2.00	0.0953	
Total Xylenes*	<0.150	0.150	07/10/2021	ND	6.03	101	6.00	0.388	
Total BTEX	<0.300	0.300	07/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIC	1113	69.9-14	10						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	07/13/2021	ND	432	108	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	07/13/2021	ND	203	102	200	0.593	
DRO >C10-C28*	32.7	10.0	07/13/2021	ND	208	104	200	0.625	
EXT DRO >C28-C36	19.1	10.0	07/13/2021	ND					
Surrogate: 1-Chlorooctane	73.2	% 44.3-13	33						
Surrogate: 1-Chlorooctadecane	72.2	% 38.9-14	12						

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

Received:

07/08/2021

Sampling Date:

07/08/2021

Reported:

07/13/2021

Sampling Type:

Soil

Project Name:

NB TWEEN

Sampling Condition:

Cool & Intact

Project Number:

**NB TWEEN BATTERY** 

Sample Received By:

Tamara Oldaker

Project Location:

**EDDY COUNTY** 

# Sample ID: B 8 @ SURFACE (H211779-08)

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	07/10/2021	ND	2.17	109	2.00	0.0766	
Toluene*	<0.050	0.050	07/10/2021	ND	2.05	102	2.00	0.294	
Ethylbenzene*	<0.050	0.050	07/10/2021	ND	1.99	99.3	2.00	0.0953	
Total Xylenes*	<0.150	0.150	07/10/2021	ND	6.03	101	6.00	0.388	
Total BTEX	<0.300	0.300	07/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIL	113 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	07/13/2021	ND	432	108	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	07/13/2021	ND	203	102	200	0.593	
DRO >C10-C28*	86.3	10.0	07/13/2021	ND	208	104	200	0.625	
EXT DRO >C28-C36	54.4	10.0	07/13/2021	ND					
Surrogate: 1-Chlorooctane	73.7	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	76.2	% 38.9-14	12						

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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:

07/08/2021

Reported:

NB TWEEN

**EDDY COUNTY** 

Project Name: Project Number:

NB TWEEN BATTERY

Project Location:

07/08/2021

Sampling Date: Sampling Type: Sampling Condition: 07/08/2021

pling Type: Soil

Cool & Intact

Sample Received By:

Tamara Oldaker

# Sample ID: B 9 @ SURFACE (H211779-09)

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	07/10/2021	ND	2.17	109	2.00	0.0766	
Toluene*	<0.050	0.050	07/10/2021	ND	2.05	102	2.00	0.294	
Ethylbenzene*	< 0.050	0.050	07/10/2021	ND	1.99	99.3	2.00	0.0953	
Total Xylenes*	<0.150	0.150	07/10/2021	ND	6.03	101	6.00	0.388	
Total BTEX	<0.300	0.300	07/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIC	113 :	% 69.9-14	10						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	07/13/2021	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2021	ND	203	102	200	0.593	
DRO >C10-C28*	122	10.0	07/13/2021	ND	208	104	200	0.625	
EXT DRO >C28-C36	65.6	10.0	07/13/2021	ND					
Surrogate: 1-Chlorooctane	75.8	% 44.3-13	13						
Surrogate: 1-Chlorooctadecane	80.3	% 38.9-14	12						

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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:

DTEV 90310

07/08/2021

Sampling Date:

07/08/2021

Reported:

07/13/2021

Sampling Type:

Soil

Project Name:

NB TWEEN BATTERY

Sampling Condition:

Cool & Intact

Project Number: Project Location:

EDDY COUNTY

Sample Received By:

Tamara Oldaker

# Sample ID: B 10 @ SURFACE (H211779-10)

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	07/10/2021	ND	2.17	109	2.00	0.0766	
Toluene*	<0.050	0.050	07/10/2021	ND	2.05	102	2.00	0.294	
Ethylbenzene*	<0.050	0.050	07/10/2021	ND	1.99	99.3	2.00	0.0953	
Total Xylenes*	<0.150	0.150	07/10/2021	ND	6.03	101	6.00	0.388	
Total BTEX	<0.300	0.300	07/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIC	113 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	07/13/2021	ND	432	108	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	07/13/2021	ND	203	102	200	0.593	
DRO >C10-C28*	82.1	10.0	07/13/2021	ND	208	104	200	0.625	
EXT DRO >C28-C36	48.5	10.0	07/13/2021	ND					
Surrogate: 1-Chlorooctane	74.5	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.2	% 38.9-14	'2						

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Received by OCD: 8/6/2021 8:55:21 AM

\*=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

Received:

07/08/2021

Sampling Date:

07/08/2021

Reported:

07/13/2021

Sampling Type:

Soil S. I

Project Name: Project Number: NB TWEEN BATTERY

Sampling Condition:

Cool & Intact

Project Location:

EDDY COUNTY

Sample Received By:

Tamara Oldaker

# Sample ID: B 11 @ SURFACE (H211779-11)

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	07/10/2021	ND	2.17	109	2.00	0.0766	
Toluene*	<0.050	0.050	07/10/2021	ND	2.05	102	2.00	0.294	
Ethylbenzene*	<0.050	0.050	07/10/2021	ND	1.99	99.3	2.00	0.0953	
Total Xylenes*	<0.150	0.150	07/10/2021	ND	6.03	101	6.00	0.388	
Total BTEX	<0.300	0.300	07/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIE	113	% 69.9-14	10						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	8S	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	07/13/2021	ND	432	108	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	07/13/2021	ND	203	102	200	0.593	
DRO >C10-C28*	104	10.0	07/13/2021	ND	208	104	200	0.625	
EXT DRO >C28-C36	54.5	10.0	07/13/2021	ND					
Surrogate: 1-Chlorooctane	67.9	% 44.3-13	13						
Surrogate: 1-Chlorooctadecane	69.5	% 38.9-14	12						

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# Analytical Results For:

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

Received:

07/08/2021

(575) 393-2432

Reported:

07/13/2021

Sampling Date:

07/08/2021

**NB TWEEN** 

Sampling Type:

Soil

Project Name: Project Number:

**NB TWEEN BATTERY** 

Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Location:

**EDDY COUNTY** 

Sample ID: B 12 @ SURFACE (H211779-12)

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	07/10/2021	ND	2.17	109	2.00	0.0766	
Toluene*	<0.050	0.050	07/10/2021	ND	2.05	102	2.00	0.294	
Ethylbenzene*	<0.050	0.050	07/10/2021	ND	1.99	99.3	2.00	0.0953	
Total Xylenes*	<0.150	0.150	07/10/2021	ND	6.03	101	6.00	0.388	
Total BTEX	<0.300	0.300	07/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIE	113.5	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	07/13/2021	ND	432	108	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	07/13/2021	ND	203	102	200	0.593	
DRO >C10-C28*	67.8	10.0	07/13/2021	ND	208	104	200	0.625	
EXT DRO >C28-C36	33.0	10.0	07/13/2021	ND					
Surrogate: 1-Chlorooctane	70.0	% 44.3-13	3						
Surrogate: I-Chlorooctadecane	71.6	% 38.9-14	12						

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# Analytical Results For:

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

Fax To:

Received: Reported: 07/08/2021

Project Name:

07/13/2021 **NB TWEEN** 

**EDDY COUNTY** 

Project Number:

**NB TWEEN BATTERY** 

Project Location:

Sampling Date: Sampling Type: 07/08/2021 Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

# Sample ID: B 13 @ SURFACE (H211779-13)

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	07/10/2021	ND	2.17	109	2.00	0.0766	
Toluene*	<0.050	0.050	07/10/2021	ND	2.05	102	2.00	0.294	
Ethylbenzene*	<0.050	0.050	07/10/2021	ND	1.99	99.3	2.00	0.0953	
Total Xylenes*	<0.150	0.150	07/10/2021	ND	6.03	101	6.00	0.388	
Total BTEX	<0.300	0.300	07/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIE	113	% 69.9-14	10						
Chloride, SM4500CI-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	07/13/2021	ND	432	108	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	07/13/2021	ND	203	102	200	0.593	
DRO >C10-C28*	<10.0	10.0	07/13/2021	ND	208	104	200	0.625	
EXT DRO >C28-C36	<10.0	10.0	07/13/2021	ND					
Surrogate: 1-Chlorooctane	67.7	% 44.3-13	13						
Surrogate: 1-Chlorooctadecane	63.7	% 38.9-14	12						

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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: Reported: 07/08/2021 07/13/2021

Project Name: Project Number: **NB TWEEN** 

Project Location:

**NB TWEEN BATTERY** 

**EDDY COUNTY** 

Sampling Date:

07/08/2021

Sampling Type:

Soil

Sampling Condition: Sample Received By: Cool & Intact

Tamara Oldaker

# Sample ID: B 4 WALL @ 1' (H211779-14)

BTEX 8021B	mg,	/kg	Analyze	d By: M\$					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2021	ND	2.17	109	2.00	0.0766	
Toluene*	<0.050	0.050	07/10/2021	ND	2.05	102	2.00	0.294	
Ethylbenzene*	<0.050	0.050	07/10/2021	ND	1.99	99.3	2.00	0.0953	
Total Xylenes*	<0.150	0.150	07/10/2021	ND	6.03	101	6.00	0.388	
Total BTEX	<0.300	0.300	07/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIL	113	% 69.9-14	0						
Chloride, SM4500CI-B	:mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	07/13/2021	ND	432	108	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	07/13/2021	ND	203	102	200	0.593	
DRO >C10-C28*	192	10.0	07/13/2021	ND	208	104	200	0.625	
EXT DRO >C28-C36	109	10.0	07/13/2021	ND					
Surrogate: 1-Chlorooctane	66.1	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	77.8	% 38.9-14	12						

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

Received:

07/08/2021

Sampling Date:

07/08/2021

Reported:

07/13/2021 **NB TWEEN** 

Sampling Type:

Soil

Project Name: Project Number:

**NB TWEEN BATTERY** 

Sampling Condition:

Cool & Intact

Project Location:

**EDDY COUNTY** 

Sample Received By:

Tamara Oldaker

Sample ID: WW (H211779-15)

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	07/10/2021	ND	2.17	109	2.00	0.0766	
Toluene*	<0.050	0.050	07/10/2021	ND	2.05	102	2.00	0.294	
Ethylbenzene*	<0.050	0.050	07/10/2021	ND	1.99	99.3	2.00	0.0953	
Total Xylenes*	<0.150	0.150	07/10/2021	ND	6.03	101	6.00	0.388	
Total BTEX	<0.300	0.300	07/10/2021	ND					
Surrogate 4-Bromofluorobenzene (PIC	113	% 69.9-14	0						
Chloride, SM4500CI-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	07/13/2021	ND	432	108	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	07/13/2021	ND	203	102	200	0.593	
DRO >C10-C28*	<10.0	10.0	07/13/2021	ND	208	104	200	0.625	
EXT DRO >C28-C36	<10.0	10.0	07/13/2021	ND					
Surrogate: 1-Chlorooctane	70.9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	66.3	% 38.9-14	12						

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

Received:

07/08/2021

Sampling Date:

07/08/2021

Reported:

07/13/2021

Sampling Type:

Soil

Project Name: Project Number: NB TWEEN BATTERY

Sampling Condition: Sample Received By: Cool & Intact

Project Location:

EDDY COUNTY

Tamara Oldaker

Sample ID: NW (H211779-16)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	85	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2021	ND	2.17	109	2.00	0.0766	
Toluene*	<0.050	0.050	07/10/2021	ND	2.05	102	2.00	0.294	
Ethylbenzene*	<0.050	0.050	07/10/2021	ND	1.99	99.3	2.00	0.0953	
Total Xylenes*	<0.150	0.150	07/10/2021	ND	6.03	101	6.00	0.388	
Total BTEX	<0.300	0.300	07/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIC	113 9	69.9-14	0						
Chloride, SM4500CI-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	07/13/2021	ND	432	108	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	07/13/2021	ND	203	102	200	0.593	
DRO >C10-C28*	10.0	10.0	07/13/2021	ND	208	104	200	0.625	
EXT DRO >C28-C36	<10.0	10.0	07/13/2021	ND					
Surrogate 1-Chlorooctane	70.4	% 44.3-13	3						
Surrogate 1-Chlorooctadecane	65.9	% 38.9-14	2						

Cardinal Laboratories

Received by OCD: 8/6/2021 8:55:21 AM

\*=Accredited Analyte

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Calley Latiens



# Analytical Results For:

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

Received: Reported: 07/08/2021

07/13/2021

Project Name: Project Number: NB TWEEN PATTE

Project Location:

NB TWEEN BATTERY

Sampling Date:

07/08/2021 Soil

Sampling Type:

Cool & Intact

Sampling Condition: Sample Received By:

Tamara Oldaker

tion: EDDY COUNTY

Sample ID: SW (H211779-17)

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	07/10/2021	ND	2.17	109	2.00	0.0766	
Toluene*	<0.050	0.050	07/10/2021	ND	2.05	102	2.00	0.294	
Ethylbenzene*	<0.050	0.050	07/10/2021	ND	1.99	99.3	2.00	0.0953	
Total Xylenes*	<0.150	0.150	07/10/2021	ND	6.03	101	6.00	0.388	
Total BTEX	<0.300	0.300	07/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIE	112	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/13/2021	ND	432	108	400	0.00	
TPH 8015M	mg.	/kg	Analyze	d By: MS			<u>.</u>		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/13/2021	ND	203	102	200	0.593	
DRO >C10-C28*	<10.0	10.0	07/13/2021	ND	208	104	200	0.625	
EXT DRO >C28-C36	<10.0	10.0	07/13/2021	ND					
Surrogate: 1-Chlorooctane	68.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	63.9	% 38.9-14	2						

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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:

07/08/2021

Sampling Date:

07/08/2021

Reported:

07/13/2021 **NB TWEEN** 

Sampling Type:

Soil

Project Name: Project Number:

**NB TWEEN BATTERY** 

Sampling Condition: Sample Received By: Cool & Intact

Project Location:

**EDDY COUNTY** 

Tamara Oldaker

### Sample ID: EW (H211779-18)

BTEX 80218	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	07/10/2021	ND	2.17	109	2.00	0.0766	
Toluene*	<0.050	0.050	07/10/2021	ND	2.05	102	2.00	0.294	
Ethylbenzene*	<0.050	0.050	07/10/2021	ND	1.99	99.3	2.00	0.0953	
Total Xylenes*	<0.150	0.150	07/10/2021	ND	6.03	101	6.00	0.388	
Total BTEX	<0.300	0.300	07/10/2021	ND					
Surrogate: 4-Bromofluorobenzene (PIE	113.9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BŞ	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/13/2021	ND	432	108	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	07/12/2021	ND	199	99.6	200	3.13	
DRO >C10-C28*	10.3	10.0	07/12/2021	ND	202	101	200	1.97	
EXT DRO >C28-C36	13.3	10.0	07/12/2021	ND					
Surrogate: 1-Chlorooctane	73.4	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	69.5	38.9-14	2						

# Cardinal Laboratories

\*=Accredited Analyte

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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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Calley I trains

# **CARDINAL** Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Touch	8/11 70	
Project Manager: JUM Broom	- 11	ANALISIS REQUEST
	Company;	
City: O lobos State: () LL Zip: () LL Zi	Zip: 8852X/O Attn:	2*
		10
Project #: Project Owner:	City:	
Project Name:	State: Zip:	
Project Location: UBTUREN Scottery	<del>?}</del>	
Sampler Name: Ase Cho success ( )	Fax #:	
FOR LAB USE ONLY	MATRIX PRESERV. SAMPLING	
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Singuished By: Received By	WATER ALLEGATION REMARKS:	Please provi
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Delivered By: (Circle One)  Observed Temp. *C   Sampler - UPS - Bus - Other:  Cornected Temp. *C	Sample Condition CHECKED BY: Turnaround Time:	Standard Bacteria (only) Sample Condition Rush Cool intact Observed Term. *C
TORMING R.S. TOMORZO + Cardinal cannot accent verbal charce	No I No V Correction Factor None	Diver Dives

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

Page 21 of 22

# CARDINAL

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

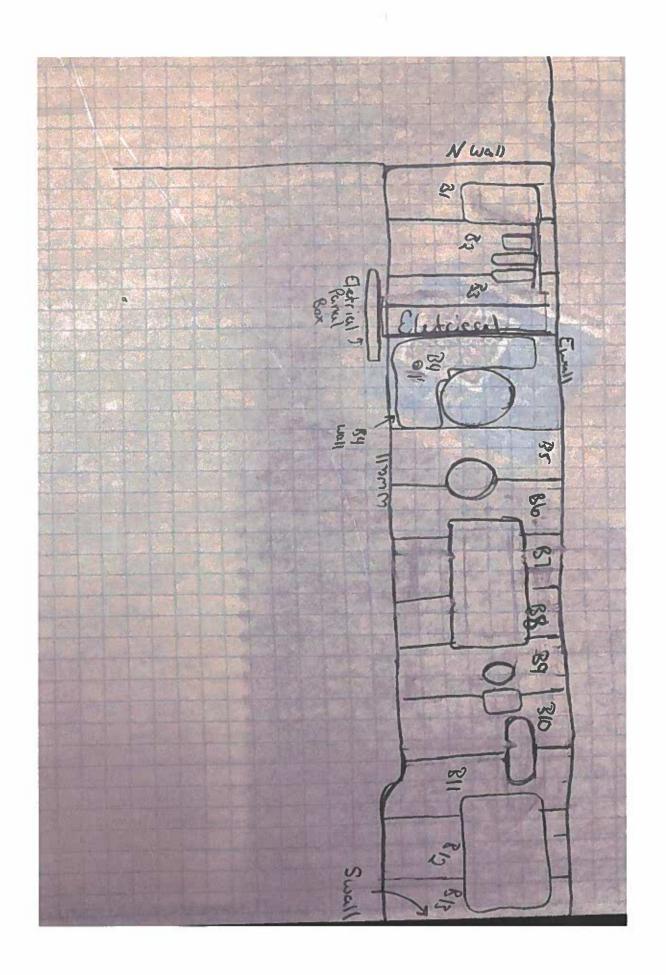
101 East Mariand, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

Company Name: Accusion	BILL TO			
Project Manager: Jely BROWN	P.O. #:		ANALTOIS REQUEST	1
Address:	Company:			_
CIP: HODOS State: NIX ZIP: 8220	Attn:			
Phone #: Fax #:	Address:			_
Project #: Project Owner:	City:			_
Project Name:	State: Zip:			
Project Location: NBTWEEN BUTTER	*			
Jon Days well	Fax #			•
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† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

47.

Corrected Temp, \*C





# West Elevation



Released to Imaging: 9/2/2021 7:41:15 AM

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 40360

### **CONDITIONS**

Operator:	OGRID:	
APACHE CORPORATION	873	
303 Veterans Airpark Ln	Action Number:	
Midland, TX 79705	40360	
	Action Type:	
	[C-141] Release Corrective Action (C-141)	

### CONDITIONS

	Created By	Condition	Condition Date
Ī	chensley	None	9/2/2021