



303 Veterans Airpark Lane Midland, TX 79705

## **Closure Report**

September 22, 2021

Re: JG Hare #019  
Case # NRM2013250166

On 05/04/2020 a release occurred due to a small leak due to a packing failure at the wellhead resulting in the loss of fluid. The release (GPS: 32.4344521, -103.1711426) is located south of Eunice, NM in unit letter K section 33 township 21S range 37E. A groundwater survey was conducted utilizing the NMOSE wells of record. The nearest well suggest that groundwater beneath the release is 100 feet. A remediation plan was submitted and approved by OCD with stipulations. On 9/16/2021 a soil bore was conducted GPS: 32.433952, -103.171106 to a depth of 71 feet. The bore hole was left open for 72 hours and gauged with no water present in the hole at 71 feet.

On 9/17/2021 the areas around B15 and B32 were excavated to 1 foot. Final 5 point bottom wall and bottom composite samples were collected not to exceed 200 square feet and submitted to a commercial laboratory for analysis of chloride, TPH and BTEX. All Laboratory results were below table one standards for releases 51-100 feet to groundwater. All excavated material was hauled to an OCD approved facility. The excavation was backfilled with clean imported caliche to ground surface.

Apache Corporation has remediated the release to below table one standard and respectfully request event #NRM2013250166 be closed.

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

Submitted by;

*Bruce Baker*

**Environmental Technician**

***larry.baker@apachecorp.com***

**Cell# 432-631-6982**

**Off# 575-393-7106**

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Printed Name: Larry Baker Title: Environmental Tech SR.  
 Signature: *Larry Baker* Date: 9/22/2021  
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_





Soil Bore

75 ft



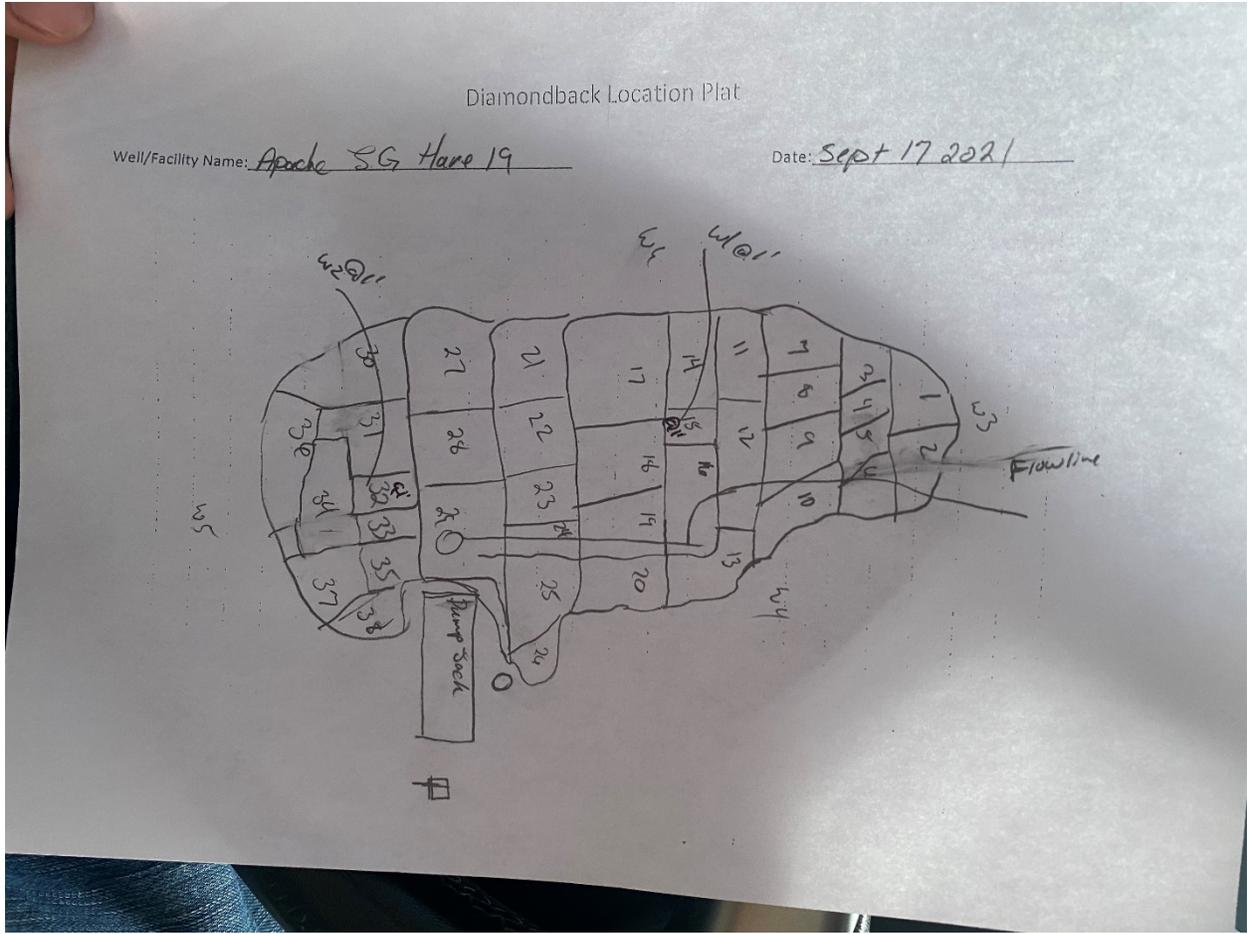
Final Bottom Samples

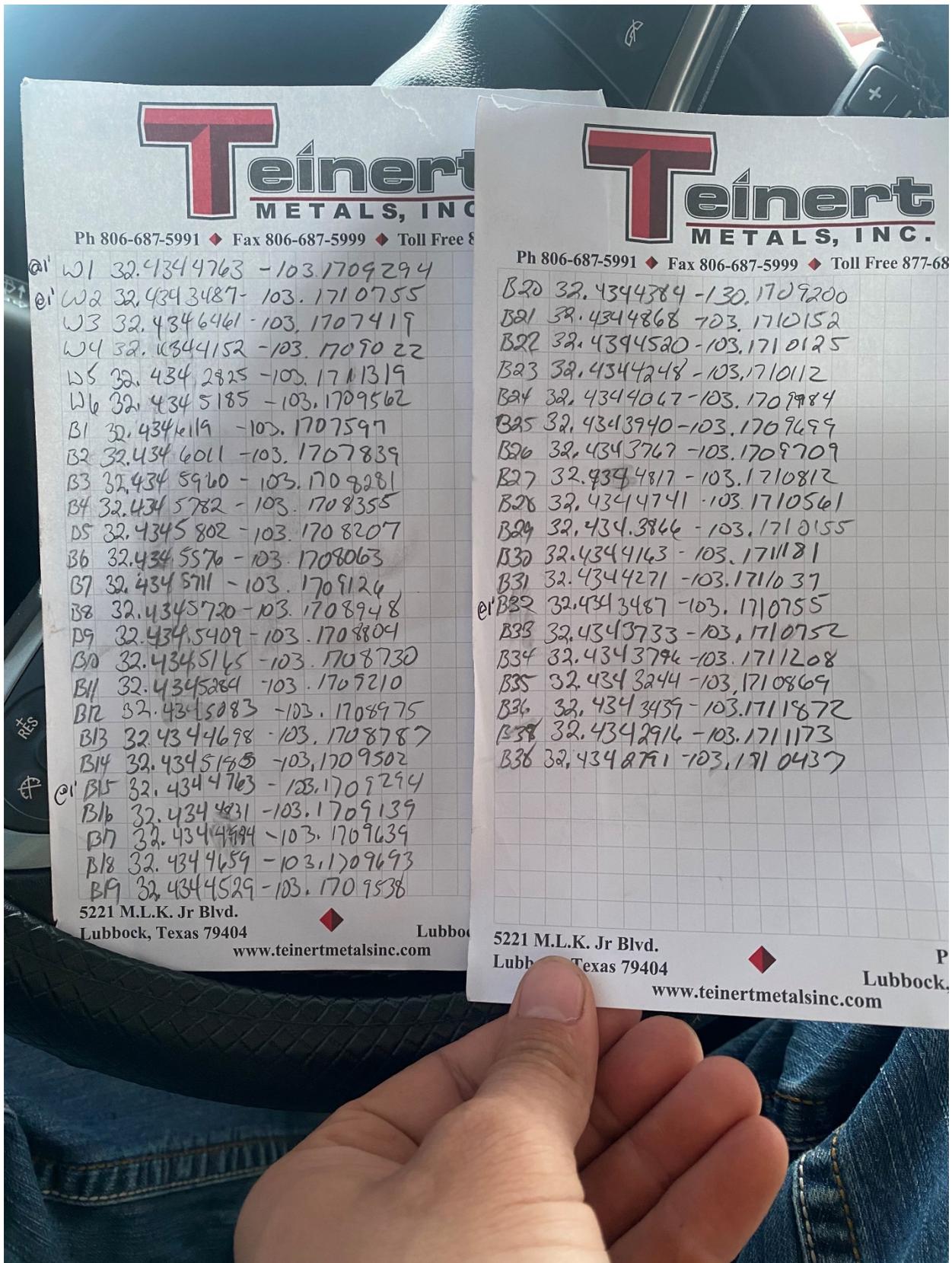
Sample Date	Sample ID	Depth	Chloride	Benzene	Toulene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO
9/17/2021	B1	Surface	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B2	Surface	16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B3	Surface	<16	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B4	Surface	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B5	Surface	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B6	Surface	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B7	Surface	160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B8	Surface	448	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B9	Surface	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B10	Surface	720	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B11	Surface	640	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B12	Surface	480	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B13	Surface	1360	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B14	Surface	1200	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B15	1'	368	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B16	Surface	3080	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B17	Surface	2160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B18	Surface	2600	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B19	Surface	272	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B20	Surface	768	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B21	Surface	301	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B22	Surface	3640	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B23	Surface	784	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B24	Surface	1680	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B25	Surface	800	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B26	Surface	1710	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	80.3	<10.0
9/17/2021	B27	Surface	2080	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B28	Surface	3200	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B29	Surface	3120	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B30	Surface	496	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B31	Surface	1760	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B32	1'	2920	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B33	Surface	798	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B34	Surface	224	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B35	Surface	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B36	Surface	384	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B37	Surface	208	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	B38	Surface	400	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0

Final Wall Samples

Sample Date	Sample ID	Depth	Chloride	Benzene	Toulene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO
9/17/2021	W1	0-1'	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	W2	0-1'	960	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	W3	Surface	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0

9/17/2021	W4	Surface	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	W5	Surface	48	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0
9/17/2021	W6	Surface	32	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0





**Teinert**  
METALS, INC.

Ph 806-687-5991 ♦ Fax 806-687-5999 ♦ Toll Free 8

@1 W1 32.4344763 -103.1709294  
 @1 W2 32.4343487 -103.1710755  
 W3 32.4346461 -103.1707419  
 W4 32.4344152 -103.1709022  
 W5 32.4342825 -103.1711319  
 W6 32.4345185 -103.1709562  
 B1 32.4346119 -103.1707597  
 B2 32.4346011 -103.1707839  
 B3 32.4345960 -103.1709281  
 B4 32.4345782 -103.1708355  
 B5 32.4345802 -103.1708207  
 B6 32.4345576 -103.1708063  
 B7 32.4345711 -103.1709126  
 B8 32.4345720 -103.1708948  
 B9 32.4345409 -103.1708804  
 B10 32.4345165 -103.1708730  
 B11 32.4345284 -103.1709210  
 B12 32.4345083 -103.1708975  
 B13 32.4344698 -103.1708787  
 B14 32.4345135 -103.1709502  
 @1 B15 32.4344763 -103.1709294  
 B16 32.4344831 -103.1709139  
 B17 32.4344994 -103.1709639  
 B18 32.4344659 -103.1709693  
 B19 32.4344529 -103.1709538

5221 M.L.K. Jr Blvd.  
Lubbock, Texas 79404  
www.teinertmetalsinc.com

**Teinert**  
METALS, INC.

Ph 806-687-5991 ♦ Fax 806-687-5999 ♦ Toll Free 877-68

B20 32.4344384 -130.1709200  
 B21 32.4344868 -103.1710152  
 B22 32.4344520 -103.1710125  
 B23 32.4344248 -103.1710112  
 B24 32.4344067 -103.1709984  
 B25 32.4343940 -103.1709699  
 B26 32.4343767 -103.1709709  
 B27 32.4344817 -103.1710812  
 B28 32.4344741 -103.1710561  
 B29 32.4343866 -103.1710155  
 B30 32.4344163 -103.1711181  
 B31 32.4344271 -103.1711037  
 @1 B32 32.4343467 -103.1710755  
 B33 32.4343733 -103.1710752  
 B34 32.4343796 -103.1711208  
 B35 32.4343244 -103.1710869  
 B36 32.4343459 -103.1711872  
 B37 32.4342916 -103.1711173  
 B38 32.4342791 -103.1710437

5221 M.L.K. Jr Blvd.  
Lubbock, Texas 79404  
www.teinertmetalsinc.com



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

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September 20, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: J G HARE #019

Enclosed are the results of analyses for samples received by the laboratory on 09/17/21 16:41.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 32 (H212601-01)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2021	ND	1.97	98.4	2.00	1.33		
Toluene*	<0.050	0.050	09/20/2021	ND	2.11	106	2.00	1.83		
Ethylbenzene*	<0.050	0.050	09/20/2021	ND	2.06	103	2.00	1.62		
Total Xylenes*	<0.150	0.150	09/20/2021	ND	6.18	103	6.00	1.60		
Total BTEX	<0.300	0.300	09/20/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	09/20/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	195	97.6	200	1.02		
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	219	109	200	1.65		
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND						

Surrogate: 1-Chlorooctane 82.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 79.0 % 38.9-142

Cardinal Laboratories

\* = Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 15 (H212601-02)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/17/2021	ND	1.97	98.4	2.00	1.33		
Toluene*	<0.050	0.050	09/17/2021	ND	2.11	106	2.00	1.83		
Ethylbenzene*	<0.050	0.050	09/17/2021	ND	2.06	103	2.00	1.62		
Total Xylenes*	<0.150	0.150	09/17/2021	ND	6.18	103	6.00	1.60		
Total BTEX	<0.300	0.300	09/17/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	09/20/2021	ND	416	104	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	195	97.6	200	1.02		
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	219	109	200	1.65		
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND						

Surrogate: 1-Chlorooctane 87.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.7 % 38.9-142

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 14 (H212601-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2021	ND	1.97	98.4	2.00	1.33	
Toluene*	<0.050	0.050	09/17/2021	ND	2.11	106	2.00	1.83	
Ethylbenzene*	<0.050	0.050	09/17/2021	ND	2.06	103	2.00	1.62	
Total Xylenes*	<0.150	0.150	09/17/2021	ND	6.18	103	6.00	1.60	
Total BTEX	<0.300	0.300	09/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	195	97.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	219	109	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 87.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.5 % 38.9-142

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 17 (H212601-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2021	ND	1.97	98.4	2.00	1.33	
Toluene*	<0.050	0.050	09/17/2021	ND	2.11	106	2.00	1.83	
Ethylbenzene*	<0.050	0.050	09/17/2021	ND	2.06	103	2.00	1.62	
Total Xylenes*	<0.150	0.150	09/17/2021	ND	6.18	103	6.00	1.60	
Total BTEX	<0.300	0.300	09/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2160	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	195	97.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	219	109	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 87.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.4 % 38.9-142

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 33 (H212601-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2021	ND	1.97	98.4	2.00	1.33	
Toluene*	<0.050	0.050	09/17/2021	ND	2.11	106	2.00	1.83	
Ethylbenzene*	<0.050	0.050	09/17/2021	ND	2.06	103	2.00	1.62	
Total Xylenes*	<0.150	0.150	09/17/2021	ND	6.18	103	6.00	1.60	
Total BTEX	<0.300	0.300	09/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>768</b>	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	195	97.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	219	109	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 79.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 28 (H212601-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2021	ND	1.97	98.4	2.00	1.33	
Toluene*	<0.050	0.050	09/17/2021	ND	2.11	106	2.00	1.83	
Ethylbenzene*	<0.050	0.050	09/17/2021	ND	2.06	103	2.00	1.62	
Total Xylenes*	<0.150	0.150	09/17/2021	ND	6.18	103	6.00	1.60	
Total BTEX	<0.300	0.300	09/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	195	97.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	219	109	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 88.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.3 % 38.9-142

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 12 (H212601-07)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2021	ND	1.97	98.4	2.00	1.33	
Toluene*	<0.050	0.050	09/17/2021	ND	2.11	106	2.00	1.83	
Ethylbenzene*	<0.050	0.050	09/17/2021	ND	2.06	103	2.00	1.62	
Total Xylenes*	<0.150	0.150	09/17/2021	ND	6.18	103	6.00	1.60	
Total BTEX	<0.300	0.300	09/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	195	97.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	219	109	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 84.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 16 (H212601-08)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/17/2021	ND	1.97	98.4	2.00	1.33		
Toluene*	<0.050	0.050	09/17/2021	ND	2.11	106	2.00	1.83		
Ethylbenzene*	<0.050	0.050	09/17/2021	ND	2.06	103	2.00	1.62		
Total Xylenes*	<0.150	0.150	09/17/2021	ND	6.18	103	6.00	1.60		
Total BTEX	<0.300	0.300	09/17/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3080	16.0	09/20/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	195	97.6	200	1.02		
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	219	109	200	1.65		
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND						

Surrogate: 1-Chlorooctane 64.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 58.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 31 (H212601-09)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2021	ND	1.97	98.4	2.00	1.33	
Toluene*	<0.050	0.050	09/17/2021	ND	2.11	106	2.00	1.83	
Ethylbenzene*	<0.050	0.050	09/17/2021	ND	2.06	103	2.00	1.62	
Total Xylenes*	<0.150	0.150	09/17/2021	ND	6.18	103	6.00	1.60	
Total BTEX	<0.300	0.300	09/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	195	97.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	219	109	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 89.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 11 (H212601-10)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2021	ND	1.97	98.4	2.00	1.33	
Toluene*	<0.050	0.050	09/17/2021	ND	2.11	106	2.00	1.83	
Ethylbenzene*	<0.050	0.050	09/17/2021	ND	2.06	103	2.00	1.62	
Total Xylenes*	<0.150	0.150	09/17/2021	ND	6.18	103	6.00	1.60	
Total BTEX	<0.300	0.300	09/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	195	97.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	219	109	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 87.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 1 (H212601-11)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2021	ND	1.97	98.4	2.00	1.33	
Toluene*	<0.050	0.050	09/17/2021	ND	2.11	106	2.00	1.83	
Ethylbenzene*	<0.050	0.050	09/17/2021	ND	2.06	103	2.00	1.62	
Total Xylenes*	<0.150	0.150	09/17/2021	ND	6.18	103	6.00	1.60	
Total BTEX	<0.300	0.300	09/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	195	97.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	219	109	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 91.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 85.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 2 (H212601-12)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	1.97	98.4	2.00	1.33	
Toluene*	<0.050	0.050	09/18/2021	ND	2.11	106	2.00	1.83	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.06	103	2.00	1.62	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.18	103	6.00	1.60	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2021	ND	195	97.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	09/18/2021	ND	219	109	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	09/18/2021	ND					

Surrogate: 1-Chlorooctane 86.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.0 % 38.9-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 3 (H212601-13)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	1.97	98.4	2.00	1.33	
Toluene*	<0.050	0.050	09/18/2021	ND	2.11	106	2.00	1.83	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.06	103	2.00	1.62	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.18	103	6.00	1.60	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2021	ND	195	97.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	09/18/2021	ND	219	109	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	09/18/2021	ND					

Surrogate: 1-Chlorooctane 83.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 4 (H212601-14)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	1.97	98.4	2.00	1.33	
Toluene*	<0.050	0.050	09/18/2021	ND	2.11	106	2.00	1.83	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.06	103	2.00	1.62	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.18	103	6.00	1.60	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2021	ND	195	97.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	09/18/2021	ND	219	109	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	09/18/2021	ND					

Surrogate: 1-Chlorooctane 86.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 5 (H212601-15)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	1.97	98.4	2.00	1.33	
Toluene*	<0.050	0.050	09/18/2021	ND	2.11	106	2.00	1.83	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.06	103	2.00	1.62	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.18	103	6.00	1.60	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 75.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 6 (H212601-16)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	1.97	98.4	2.00	1.33	
Toluene*	<0.050	0.050	09/18/2021	ND	2.11	106	2.00	1.83	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.06	103	2.00	1.62	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.18	103	6.00	1.60	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 78.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 7 (H212601-17)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	1.97	98.4	2.00	1.33	
Toluene*	<0.050	0.050	09/18/2021	ND	2.11	106	2.00	1.83	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.06	103	2.00	1.62	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.18	103	6.00	1.60	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 79.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 8 (H212601-18)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12	QM-07
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 79.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 76.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 9 (H212601-19)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12	
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 77.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.8 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 10 (H212601-20)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12	
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 78.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.3 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 13 (H212601-21)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12	
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 78.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.8 % 38.9-142

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 18 (H212601-22)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12	
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2600	16.0	09/20/2021	ND	400	100	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 77.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 19 (H212601-23)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12	
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	09/20/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 76.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 20 (H212601-24)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12	
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>768</b>	16.0	09/20/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 73.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 21 (H212601-25)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12	
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	09/20/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 75.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.3 % 38.9-142

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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 22 (H212601-26)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12	
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3640	16.0	09/20/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 74.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 23 (H212601-27)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12	
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	09/20/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/18/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/18/2021	ND					

Surrogate: 1-Chlorooctane 74.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 24 (H212601-28)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12	
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1680	16.0	09/20/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/18/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/18/2021	ND					

Surrogate: 1-Chlorooctane 72.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 25 (H212601-29)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12	
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	09/20/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/18/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/18/2021	ND					

Surrogate: 1-Chlorooctane 78.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.8 % 38.9-142

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 26 (H212601-30)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12	
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1710</b>	16.0	09/20/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2021	ND	210	105	200	1.96	
<b>DRO &gt;C10-C28*</b>	<b>80.3</b>	10.0	09/18/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/18/2021	ND					

Surrogate: 1-Chlorooctane 77.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 29 (H212601-31)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12	
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	09/20/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/18/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/18/2021	ND					

Surrogate: 1-Chlorooctane 71.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.1 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 30 (H212601-32)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12	
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	09/20/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/18/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/18/2021	ND					

Surrogate: 1-Chlorooctane 73.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 34 (H212601-33)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12	
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	09/20/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/18/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/18/2021	ND					

Surrogate: 1-Chlorooctane 74.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 73.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 35 (H212601-34)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12	
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68	
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22	
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66	
Total BTEX	<0.300	0.300	09/18/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/20/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2021	ND	210	105	200	1.96	
DRO >C10-C28*	<10.0	10.0	09/18/2021	ND	207	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	09/18/2021	ND					

Surrogate: 1-Chlorooctane 79.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 78.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 36 (H212601-35)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12		
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68		
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22		
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66		
Total BTEX	<0.300	0.300	09/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	09/20/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2021	ND	198	98.9	200	1.79		
DRO >C10-C28*	<10.0	10.0	09/20/2021	ND	217	109	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	09/20/2021	ND						

Surrogate: 1-Chlorooctane 79.3 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 37 (H212601-36)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12		
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68		
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22		
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66		
Total BTEX	<0.300	0.300	09/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	09/20/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2021	ND	198	98.9	200	1.79		
DRO >C10-C28*	<10.0	10.0	09/20/2021	ND	217	109	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	09/20/2021	ND						

Surrogate: 1-Chlorooctane 77.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 69.5 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 38 (H212601-37)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/18/2021	ND	2.15	107	2.00	4.12		
Toluene*	<0.050	0.050	09/18/2021	ND	2.12	106	2.00	3.68		
Ethylbenzene*	<0.050	0.050	09/18/2021	ND	2.09	105	2.00	6.22		
Total Xylenes*	<0.150	0.150	09/18/2021	ND	6.44	107	6.00	6.66		
Total BTEX	<0.300	0.300	09/18/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	09/20/2021	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/20/2021	ND	198	98.9	200	1.79		
DRO >C10-C28*	<10.0	10.0	09/20/2021	ND	217	109	200	1.35		
EXT DRO >C28-C36	<10.0	10.0	09/20/2021	ND						

Surrogate: 1-Chlorooctane 79.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 70.5 % 38.9-142

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: B 27 (H212601-38)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2021	ND	2.11	105	2.00	3.56	
Toluene*	<0.050	0.050	09/17/2021	ND	2.05	103	2.00	2.00	
Ethylbenzene*	<0.050	0.050	09/17/2021	ND	2.03	102	2.00	1.31	
Total Xylenes*	<0.150	0.150	09/17/2021	ND	6.22	104	6.00	1.92	
Total BTEX	<0.300	0.300	09/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	09/20/2021	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/20/2021	ND	198	98.9	200	1.79	
DRO >C10-C28*	<10.0	10.0	09/20/2021	ND	217	109	200	1.35	
EXT DRO >C28-C36	<10.0	10.0	09/20/2021	ND					

Surrogate: 1-Chlorooctane 80.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.2 % 38.9-142

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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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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: *Acme* P.O. #:  
 Project Manager: *Beck Bruce Baker* Company:  
 Address: State: *NM* zip: *88240* Attn:  
 City: *Hobbs* Fax #: Address:  
 Phone #: Project Owner: City:  
 Project #: *JG Hare # 19* State: Zip:  
 Project Location: Phone #:  
 Sampler Name: Fax #:  
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS		
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:				ACID/BASE:	ICE / COOL
<i>H212601</i>	<i>01 B32</i>	<i>C</i>	<i>1</i>							<i>4/17</i>	<i>11:40</i>	<i>C</i>	<i>BTEX</i>	<i>EXTPH</i>
	<i>02 B15</i>	<i>C</i>	<i>1</i>								<i>11:42</i>			
	<i>03 B14</i>	<i>C</i>	<i>1</i>								<i>11:44</i>			
	<i>04 B17</i>	<i>C</i>	<i>1</i>								<i>11:46</i>			
	<i>05 B33</i>	<i>C</i>	<i>1</i>								<i>11:52</i>			
	<i>06 B88</i>	<i>C</i>	<i>1</i>								<i>11:54</i>			
	<i>07 B12</i>	<i>C</i>	<i>1</i>								<i>11:54</i>			
	<i>08 B14</i>	<i>C</i>	<i>1</i>								<i>11:48</i>			
	<i>09 B31</i>	<i>C</i>	<i>1</i>								<i>11:50</i>			
	<i>10 B31</i>	<i>C</i>	<i>1</i>								<i>11:52</i>			

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Relinquished By: *Scott Rossler* Date: *4/17/24* Received By: *Scott Johnson*  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_  
 Turnaround Time: \_\_\_\_\_ Standard  Bacteria (only)   
 Thermometer ID #113  Cool Intact  Observed Temp. °C  
 Correction Factor None  Yes  No  Corrected Temp. °C

Delivered By: (Circle One) Observed Temp. °C *3.4* Sample Condition  Intact  Cool  Intact  Yes  No  Yes  No  
 Sampler - UPS - Bus - Other: \_\_\_\_\_ Corrected Temp. °C \_\_\_\_\_ CHECKED BY: (Initials) *[Signature]*  
 Remarks: *E-Mail*  
 Verbal Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_  
 Cardinal cannot accept verbal changes. Please email changes to [celej.keene@cardinallabsnm.com](mailto:celej.keene@cardinallabsnm.com)



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: *Apple* P.O. #: \_\_\_\_\_  
 Project Manager: *Bruce Baker* Company: \_\_\_\_\_  
 Address: \_\_\_\_\_ Attn: \_\_\_\_\_  
 City: *Hobbs* State: *NM* zip: *88240* Address: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_ City: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Project Name: *SG Hvac #19* Phone #: \_\_\_\_\_  
 Project Location: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Sampler Name: *Sose Rose*

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
<i>H212601</i>	<i>B01</i>	<i>C</i>	<i>1</i>								<i>9/17</i>	<i>1:32</i>	<i>CL</i>
	<i>B02</i>	<i>C</i>	<i>1</i>									<i>1:34</i>	<i>BTEX</i>
	<i>B03</i>	<i>C</i>	<i>1</i>									<i>1:34</i>	<i>EXTPH</i>
	<i>B04</i>	<i>C</i>	<i>1</i>									<i>1:38</i>	
	<i>B05</i>	<i>C</i>	<i>1</i>									<i>1:40</i>	
	<i>B06</i>	<i>C</i>	<i>1</i>									<i>1:42</i>	
	<i>D07</i>	<i>C</i>	<i>1</i>									<i>1:44</i>	
	<i>B08</i>	<i>C</i>	<i>1</i>									<i>1:46</i>	
	<i>B09</i>	<i>C</i>	<i>1</i>									<i>1:48</i>	
	<i>B10</i>	<i>C</i>	<i>1</i>									<i>1:50</i>	

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Relinquished By: *Sose Rose* Date: \_\_\_\_\_  
 Received By: *Scott Johnson* Date: *9/17/21*  
 Time: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Received By: \_\_\_\_\_

Delivered By: (Circle One) Observed Temp. °C *3.4* Sample Condition:  Intact  Cool  Intact  
 Sampler - UPS - Bus - Other: Corrected Temp. °C \_\_\_\_\_  Yes  No  No  No

Turnaround Time: \_\_\_\_\_ Standard  Rush   
 Thermometer ID #113 Bacteria (only) Sample Condition:  Cool  Intact  Yes  No  
 Correction Factor: None  No  No  No  No  No  No  
 Corrected Temp. °C \_\_\_\_\_  
 Verbal Results:  Yes  No Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_  
 Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: *Apache* P.O. #:  
 Project Manager: *Bruce Baker* Company:  
 Address: State: *NM* zip: *88240* Attn:  
 City: *Hobbs* Fax #: Address:  
 Project #: Project Owner: City: State: Zip:  
 Project Name: State: Phone #:  
 Project Location: *SG Hare #19* Phone #:  
 Sampler Name: *Scott Russell* Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER			
21	B13	C	1						9/12	1:54	LI	
22	B18	C	1							1:54		
23	B17	C	1							1:58		
24	B20	C	1							2:00		
25	B21	C	1							2:02		
26	B22	C	1							2:04		
27	B23	C	1							2:06		
28	B24	C	1							2:08		
29	B25	C	1							2:10		
30	B26	C	1							2:12		

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Relinquished By: *Scott Russell* Received By: *Scott Russell*  
 Date: *9/17* Date: *9/17*  
 Time: *4:42* Time:  
 Relinquished By: Received By:  
 Date: Date:  
 Time: Time:

Delivered By: (Circle One) Observed Temp. °C: *8.4* Sample Condition:  Intact  Cool  Intact  
 Sampler - UPS - Bus - Other: Corrected Temp. °C:  Yes  No  No  No  
 CHECKED BY: *[Signature]*  
 Turnaround Time: Standard  Rush   
 Thermometer ID #13 Bacteria (only)  Sample Condition  Observed Temp. °C  Corrected Temp. °C  
 Correction Factor None  Yes  No  No  No



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Apple P.O. #:  
 Project Manager: Bruce Baker Company:  
 Address: State: NM zip: 88240 Attn:  
 City: Hobbs Address:  
 Phone #: Fax #: City:  
 Project #: Project Owner: State: Zip:  
 Project Name: Phone #:  
 Project Location: S.E. Home #19 Fax #:  
 Sampler Name: Soe Reese

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	CI	BTEX	EXT PH
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:					
<u>H212601</u>	<u>B29</u>	<u>C</u>	<u>1</u>								<u>9/17</u>	<u>2:16</u>	<u>CI</u>		
	<u>B30</u>	<u>C</u>	<u>1</u>									<u>2:18</u>			
	<u>B34</u>	<u>C</u>	<u>1</u>									<u>2:20</u>			
	<u>B35</u>	<u>C</u>	<u>1</u>									<u>2:24</u>			
	<u>B36</u>	<u>C</u>	<u>1</u>									<u>2:28</u>			
	<u>B37</u>	<u>C</u>	<u>1</u>									<u>2:28</u>			
	<u>B38</u>	<u>C</u>	<u>1</u>									<u>2:14</u>			

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Relinquished By: Soe Reese Date: 9/21/21 Received By: Soe Reese  
 Relinquished By: Soe Reese Date: 9/21/21 Received By: Soe Reese

Delivered By: (Circle One) 34 Observed Temp. °C  
 Corrected Temp. °C  
 Sample Condition:  Intact  Cool  Intact  Yes  No

Turnaround Time:  Standard  Rush  
 Bacteria (only)  Cool  Intact  Yes  No  
 Sample Condition:  Cool  Intact  Yes  No  
 Observed Temp. °C  
 Corrected Temp. °C

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September 20, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: J G HARE #019

Enclosed are the results of analyses for samples received by the laboratory on 09/17/21 16:41.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: W 1 @ 1' (H212600-01)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2021	ND	2.11	105	2.00	3.56	
Toluene*	<0.050	0.050	09/17/2021	ND	2.05	103	2.00	2.00	
Ethylbenzene*	<0.050	0.050	09/17/2021	ND	2.03	102	2.00	1.31	
Total Xylenes*	<0.150	0.150	09/17/2021	ND	6.22	104	6.00	1.92	
Total BTEX	<0.300	0.300	09/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	195	97.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	219	109	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 86.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 81.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: W 2 @ 1' (H212600-02)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/17/2021	ND	2.11	105	2.00	3.56		
Toluene*	<0.050	0.050	09/17/2021	ND	2.05	103	2.00	2.00		
Ethylbenzene*	<0.050	0.050	09/17/2021	ND	2.03	102	2.00	1.31		
Total Xylenes*	<0.150	0.150	09/17/2021	ND	6.22	104	6.00	1.92		
Total BTEX	<0.300	0.300	09/17/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	09/20/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	195	97.6	200	1.02		
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	219	109	200	1.65		
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND						

Surrogate: 1-Chlorooctane 90.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 84.9 % 38.9-142

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: W 3 (H212600-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2021	ND	2.11	105	2.00	3.56	
Toluene*	<0.050	0.050	09/17/2021	ND	2.05	103	2.00	2.00	
Ethylbenzene*	<0.050	0.050	09/17/2021	ND	2.03	102	2.00	1.31	
Total Xylenes*	<0.150	0.150	09/17/2021	ND	6.22	104	6.00	1.92	
Total BTEX	<0.300	0.300	09/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	195	97.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	219	109	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 84.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.4 % 38.9-142

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: W 4 (H212600-04)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2021	ND	1.97	98.4	2.00	1.33	
Toluene*	<0.050	0.050	09/17/2021	ND	2.11	106	2.00	1.83	
Ethylbenzene*	<0.050	0.050	09/17/2021	ND	2.06	103	2.00	1.62	
Total Xylenes*	<0.150	0.150	09/17/2021	ND	6.18	103	6.00	1.60	
Total BTEX	<0.300	0.300	09/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	195	97.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	219	109	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 86.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 82.4 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: W 5 (H212600-05)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2021	ND	1.97	98.4	2.00	1.33	
Toluene*	<0.050	0.050	09/17/2021	ND	2.11	106	2.00	1.83	
Ethylbenzene*	<0.050	0.050	09/17/2021	ND	2.06	103	2.00	1.62	
Total Xylenes*	<0.150	0.150	09/17/2021	ND	6.18	103	6.00	1.60	
Total BTEX	<0.300	0.300	09/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	195	97.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	219	109	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 81.8 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.8 % 38.9-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	09/17/2021	Sampling Date:	09/17/2021
Reported:	09/20/2021	Sampling Type:	Soil
Project Name:	J G HARE #019	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Jodi Henson
Project Location:	J G HARE #019		

**Sample ID: W 6 (H212600-06)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/17/2021	ND	1.97	98.4	2.00	1.33	
Toluene*	<0.050	0.050	09/17/2021	ND	2.11	106	2.00	1.83	
Ethylbenzene*	<0.050	0.050	09/17/2021	ND	2.06	103	2.00	1.62	
Total Xylenes*	<0.150	0.150	09/17/2021	ND	6.18	103	6.00	1.60	
Total BTEX	<0.300	0.300	09/17/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	09/20/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/17/2021	ND	195	97.6	200	1.02	
DRO >C10-C28*	<10.0	10.0	09/17/2021	ND	219	109	200	1.65	
EXT DRO >C28-C36	<10.0	10.0	09/17/2021	ND					

Surrogate: 1-Chlorooctane 82.1 % 44.3-133

Surrogate: 1-Chlorooctadecane 77.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Notes and Definitions**

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Apache P.O. #:  
 Project Manager: Bruce Baker Company:  
 Address: Attn:  
 City: Hobbs State: NM zip: 88240 Address:  
 Phone #: Fax #: City:  
 Project #: Project Owner: State: Zip:  
 Project Name: 56 Hare #19 State: Zip:  
 Project Location: Phone #:  
 Sampler Name: Sose Reynolds Fax #:

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
<u>H2126BDO</u>	<u>W101'</u>		<u>4C1</u>							<u>9/17</u>	<u>11:58</u>	<u>cl</u>
	<u>W201'</u>		<u>4C1</u>								<u>12:00</u>	<u>BTEX</u>
	<u>W301'</u>		<u>4C1</u>								<u>12:24</u>	<u>EXTPH</u>
	<u>W4</u>		<u>C1</u>								<u>1:14pm</u>	
	<u>W5</u>		<u>C1</u>								<u>1:16</u>	
	<u>W6</u>		<u>C1</u>									

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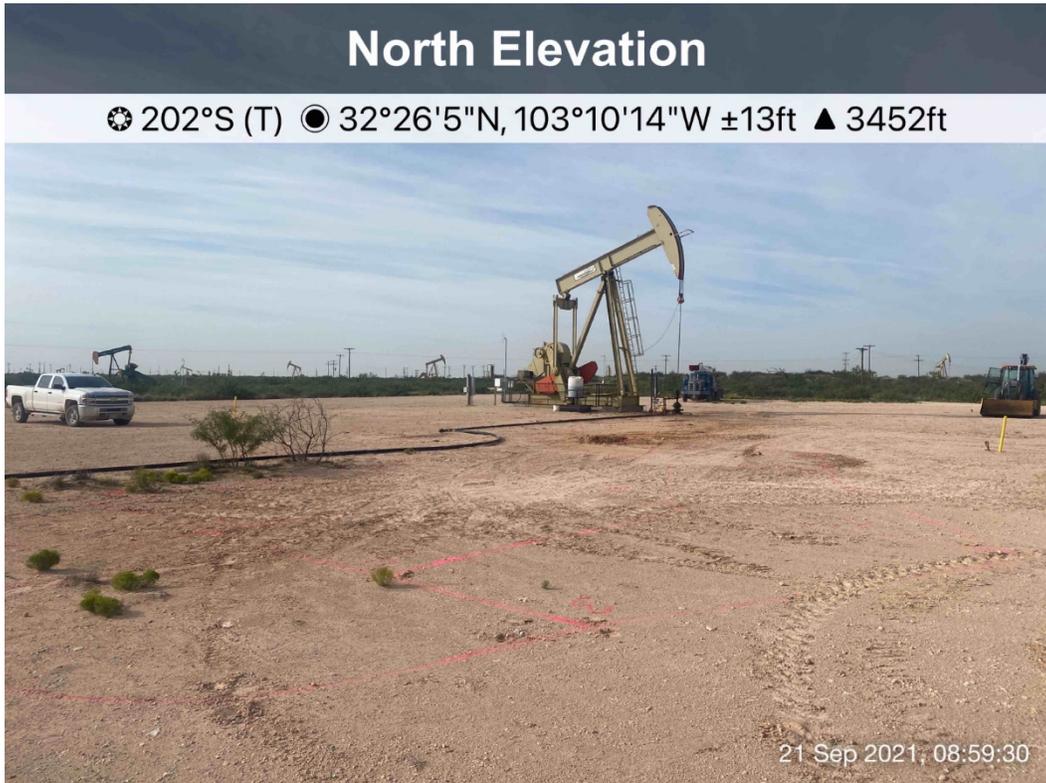
Relinquished By: [Signature] Date: 9/17/22 Received By: [Signature] Verbal Result:  Yes  No  Add'l Phone #:  
 All Results are emailed. Please provide Email address:

Relinquished By: [Signature] Date: 9/17/22 Received By: [Signature] Verbal Result:  Yes  No  Add'l Phone #:  
 All Results are emailed. Please provide Email address:

Delivered By: (Circle One) Observed Temp. °C: 3.4 Sample Condition:  Cool  Intact  Yes  No  No  No  
 Corrected Temp. °C: 3.4 CHECKED BY: [Signature] (Initials)

Sampler - UPS - Bus - Other: Corrected Temp. °C: 3.4 Sample Condition:  Cool  Intact  Yes  No  No  No  
 Turnaround Time: 5 Mo'l Results Bacteria (only) Sample Condition:  Cool  Intact  Yes  No  No  No  
 Thermometer ID #113 Correction Factor: None Corrected Temp. °C:

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





Incident ID	NRM2013250166
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Printed Name: Larry Baker Title: Environmental Tech SR.  
 Signature: *Larry Baker* Date: 9/22/2021  
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

**OCD Only**

Received by: Robert Hamlet Date: 3/10/2022

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: *Robert Hamlet* Date: 3/10/2022  
 Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

**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

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

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

CONDITIONS  
 Action 89146

**CONDITIONS**

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 89146
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NRM2013250166 JG HARE 019, thank you. This closure is approved.	3/10/2022