

Remediation Plan

September 28, 2020

Re: Turner Battery Trunk Line Case # NRM2019643192

Background:

On 6/25/2020 a release occurred due to a failure on a trunk line resulting in the loss of fluid. The release (GPS: 32.463417, -103.152203) is located north of Eunice, New Mexico in unit letter K section 22 township 21S range 37E. A groundwater survey was conducted utilizing NMOSE and USGS wells of record. The nearest well of record suggest the groundwater depth below the release to be 53 feet.

Beginning on 6/30/2020 through 8/18/2020 vertical delineation was conducted utilizing a backhoe, track-hoe, and a soil boring rig. There were 4 delineation points in which samples were collected in regular intervals to various depths ranging from 14 to 35 feet. All samples collected were field titrated for chlorides and representative samples were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. All verticals were delineated to table one standards for releases less than or equal to 50 feet to groundwater.

Remediation Plan:

Apache Corporation proposes that the release area be excavated to a depth of 4 feet. Final 5 point wall composite samples will be collected not exceeding 200 square feet and submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Once laboratory results for the walls are below table one standards for releases less than or equal to 50 feet to groundwater a 20 mil reinforced liner will be installed at a depth of 4 feet. All excavated soil (5,000 yards) will be hauled to an OCD approved facility and backfilled with clean topsoil from the surrounding sand dunes as per the private surface owners request. The site will be reseeded in accordance with the private surface landowner's guidelines. The remediation will be completed within 90 days of OCD approval date of the plan.

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

Submitted by;

Environmental Technician

larry.baker@apachecorp.com

Cell# 432-631-6982

		Page 2 of	48
Incident ID	NRM2019643192		
District RP			
Facility ID			
Application ID			

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	(ft bgs)
Did this release impact groundwater or surface water?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	☐ Yes ☑ No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	☐ Yes ☑ No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	☐ Yes ☑ No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	☐ Yes ☑ No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	☐ Yes ☑ No
Are the lateral extents of the release within 300 feet of a wetland?	☐ Yes ☑ No
Are the lateral extents of the release overlying a subsurface mine?	☐ Yes ☑ No
Are the lateral extents of the release overlying an unstable area such as karst geology?	☐ Yes ☑ No
Are the lateral extents of the release within a 100-year floodplain?	☐ Yes ☑ No
Did the release impact areas not on an exploration, development, production, or storage site?	✓ Yes ☐ No
Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vercontamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.	tical extents of soil
Characterization Report Checklist: Each of the following items must be included in the report.	
 ✓ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring well ✓ Field data ✓ Data table of soil contaminant concentration data ✓ Depth to water determination ✓ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release ✓ Boring or excavation logs ✓ Photographs including date and GIS information ✓ Topographic/Aerial maps ✓ Laboratory data including chain of custody 	ls.

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

Received by OCD: 9/28/2020 10:36:41 AM State of New Mexico
Page 4 Oil Conservation Division

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Incident ID	NRM2019643192
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thr addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	offications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: Larry Baker	Title: Environmental Tech SR.
Signature: Larry Baker	Date: 9/28/2020
email: _larry.baker@apachecorp.com	Telephone: 432-631-6982
OCD Only	
Received by: Cristina Eads	Date: 01/15/2021

of New Mexico

Incident ID NRM2019643192
District RP
Facility ID
Application ID

Remediation Plan

Remediation Plan Checklist: Each of the following items must b	e included in the plan.
 ✓ Detailed description of proposed remediation technique ✓ Scaled sitemap with GPS coordinates showing delineation poin ✓ Estimated volume of material to be remediated ✓ Closure criteria is to Table 1 specifications subject to 19.15.29. 	
Proposed schedule for remediation (note if remediation plan tin	
Deferral Requests Only: Each of the following items must be con	firmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around predeconstruction.	roduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name: Larry Baker	Title: Environmental Tech SR.
Signature: Larry Baker	Date: 9/28/2020
email: _larry.baker@apachecorp.com	Telephone: 432-631-6982
OCD Only	
Received by: Cristina Eads	Date:01/15/2021
Approved	Approval Denied Deferral Approved
Signature: Juntur 2	Date: 01/15/2021





New Mexico Office of the State Engineer Point of Diversion Summary

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Sec Tws Rng

X

CP 00881

4 4 22 21S 37E

674402 3592824*

9

Driller License:

571

Driller Company:

"GLASSPOOLE, GEORGE ""BILL"" W.E "

Sandstone/Gravel/Conglomerate

Driller Name:
Drill Start Date:

GLASSPOOLE, GEORGE W.

09/04/1999

5.50

Drill Finish Date:

09/07/1999

Plug Date:

Shallow

Log File Date:

09/10/1999

PCW Rcv Date:

Source: S

80 GPM

Pump Type: Casing Size:

Pipe Discharge Size:
Depth Well:

95 feet

Depth Water:

Estimated Yield:

53 feet

Water Bearing Stratifications:

Top 1

Bottom Description

Casing Perforations:

Top Bottom

75 95

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9/25/20 11:12 AM

POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help



New Mexico Office of the State Engineer **Point of Diversion Summary**

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

Well Tag POD Number Q64 Q16 Q4 Sec Tws Rng

X

CP 00252 POD1

22 21S 37E 674493 3593125*

Driller License:

Driller Name:

Drill Start Date:

Log File Date:

Pump Type: Casing Size: Driller Company:

PCW Rcv Date:

Drill Finish Date:

03/17/1949

Plug Date:

Source:

Estimated Yield:

100 GPM

Pipe Discharge Size: Depth Well:

106 feet

Depth Water:

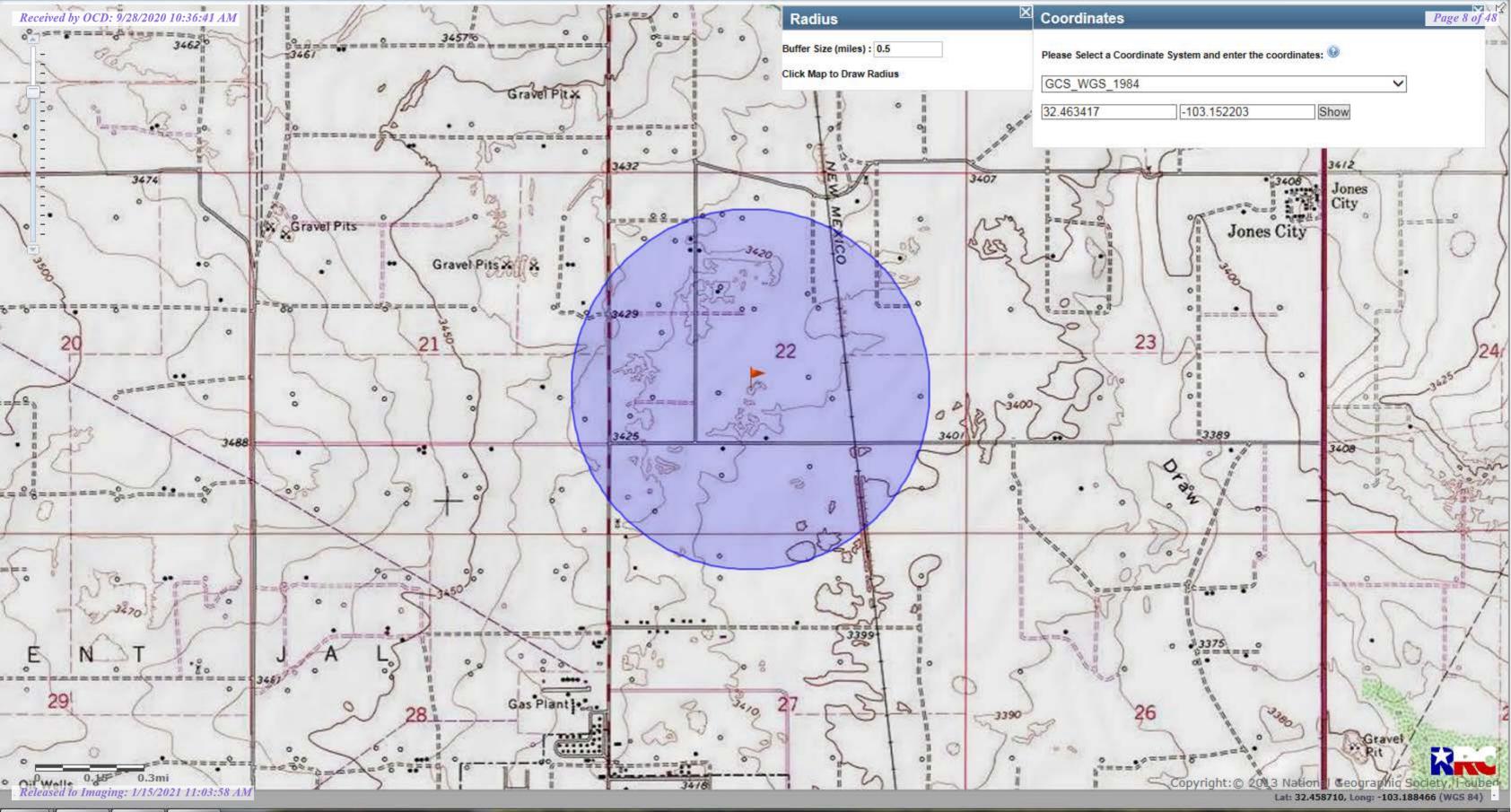
78 feet

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9/28/20 7:34 AM

POINT OF DIVERSION SUMMARY

^{*}UTM location was derived from PLSS - see Help





Delineation Samples

Sample	Sample ID	Depth	Chloride	Chloride	Benzene		Ethybenze		Total	GRO	DRO	EXT DRO	GPS
Date			Field	Lab			ne	Xylenes	BTEX				Coordinates
													32.463426, -
6/30/2020	SP 1	0'	11,396	30800	<0.050	< 0.050	0.107	0.407	0.514	<10.0	519	141	103.152331
6/30/2020		2'	5,098	4480	<0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	
6/30/2020		4'	4,040										
6/30/2020		6'	4,130										
6/30/2020		8'	3711	4160	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	16.5	<10.0	
6/30/2020		10'	3562										
6/30/2020		12'	3211	4000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
6/30/2020		14'	2279	2880	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
7/21/2020		16'	1365	1280									
7/21/2020		18'	1025										
7/21/2020		20'	2391	2800									
7/21/2020		22'	1,469	1440									
8/18/2020		25'	288	160.0									
8/18/2020		30'	176	96.0									
													32.4630644, -
6/30/2020	SP 2	0'	4245	6000	<0.050	<0.050	<0.050	< 0.150	<0.300	<10.0	<10.0	<10.0	103.1525254
6/30/2020		2'	2062										
6/30/2020		4'	1832	1440	< 0.050	< 0.050	<0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	
6/30/2020		6'	1079										
6/30/2020		8'	836	416	< 0.050	<0.050	<0.050	< 0.150	<0.300	<10.0	<10.0	<10.0	
6/30/2020		10'	899										
6/30/2020		12'	898	704	< 0.050	< 0.050	<0.050	< 0.150	<0.300	<10.0	<10.0	<10.0	
6/30/2020		14'	235	288	< 0.050	< 0.050	<0.050	< 0.150	<0.300	<10.0	<10.0	<10.0	
													32.4630421, -
6/30/2020	SP 3	0'	5603	7200	<0.050	<0.050	<0.050	< 0.150	<0.300	<10.0	<10.0	<10.0	103.1520543
6/30/2020		2'	2751										
6/30/2020		4'	1727	1650	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
6/30/2020		6'	1247										
6/30/2020		8'	1396	1150	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
6/30/2020		10'	1374										
6/30/2020		12'	1910	2000	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
6/30/2020		14'	1234	1230									
6/30/2020		15'	605	624	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
7/21/2020		16'	292	208									

													32.463394, -
7/21/2020	SP 4	0'	16790	11000	< 0.050	< 0.050	<0.050	< 0.150	<0.300	<50.0	9350	1950	103.152130
7/21/2020		2'	3932										
7/21/2020		4'	4058	4800	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
7/21/2020		6'	3174										
7/21/2020		8'	3179	3680									
7/21/2020		10'	3430										
7/21/2020		12'	2211	2480									
7/21/2020		14'	1864										
7/21/2020		16'	1929	1440									
7/21/2020		18'	1247										
7/21/2020		19'	591	896									
8/18/2020		20'	496	464									
8/18/2020		25'	468	224									
8/18/2020		30'	299	336									
8/18/2020		35'	176	240									



July 07, 2020

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: TURNER 1 ARGO

Enclosed are the results of analyses for samples received by the laboratory on 06/30/20 16:45.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



06/30/2020

Soil

Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/30/2020 Sampling Date: Reported: 07/07/2020 Sampling Type:

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SP 1 @ SURFACE (H001710-01)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2020	ND	1.97	98.5	2.00	2.41	
Toluene*	<0.050	0.050	07/01/2020	ND	1.98	98.9	2.00	2.46	
Ethylbenzene*	0.107	0.050	07/01/2020	ND	2.00	100	2.00	2.43	
Total Xylenes*	0.407	0.150	07/01/2020	ND	5.80	96.7	6.00	2.33	
Total BTEX	0.514	0.300	07/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	30800	16.0	07/01/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2020	ND	223	112	200	0.608	
DRO >C10-C28*	519	10.0	07/01/2020	ND	237	118	200	0.342	
EXT DRO >C28-C36	141	10.0	07/01/2020	ND					
Surrogate: 1-Chlorooctane	87.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	113 9	42.2-15	6						

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Analytical Results For:

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

Received: 06/30/2020 Sampling Date: 06/30/2020

Reported: 07/07/2020 Sampling Type: Soil

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SP 1 @ 4' (H001710-02)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2020	ND	1.97	98.5	2.00	2.41	
Toluene*	<0.050	0.050	07/01/2020	ND	1.98	98.9	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/01/2020	ND	2.00	100	2.00	2.43	
Total Xylenes*	<0.150	0.150	07/01/2020	ND	5.80	96.7	6.00	2.33	
Total BTEX	<0.300	0.300	07/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.0	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4480	16.0	07/01/2020	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2020	ND	223	112	200	0.608	
DRO >C10-C28*	<10.0	10.0	07/01/2020	ND	237	118	200	0.342	
EXT DRO >C28-C36	<10.0	10.0	07/01/2020	ND					
Surrogate: 1-Chlorooctane	86.4	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	91.9	% 42.2-15	6						

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Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/30/2020 Sampling Date: 06/30/2020

Reported: 07/07/2020 Sampling Type: Soil

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SP 1 @ 8' (H001710-03)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2020	ND	1.97	98.5	2.00	2.41	
Toluene*	<0.050	0.050	07/01/2020	ND	1.98	98.9	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/01/2020	ND	2.00	100	2.00	2.43	
Total Xylenes*	<0.150	0.150	07/01/2020	ND	5.80	96.7	6.00	2.33	
Total BTEX	<0.300	0.300	07/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4160	16.0	07/01/2020	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2020	ND	223	112	200	0.608	
DRO >C10-C28*	16.5	10.0	07/01/2020	ND	237	118	200	0.342	
EXT DRO >C28-C36	<10.0	10.0	07/01/2020	ND					
Surrogate: 1-Chlorooctane	90.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	96.2	% 42.2-15	6						

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Analytical Results For:

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

 Received:
 06/30/2020
 Sampling Date:
 06/30/2020

 Reported:
 07/07/2020
 Sampling Type:
 Soil

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: SP 1 @ 12' (H001710-04)

BTEX 8021B

		<u> </u>							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2020	ND	1.97	98.5	2.00	2.41	
Toluene*	<0.050	0.050	07/01/2020	ND	1.98	98.9	2.00	2.46	
Ethylbenzene*	<0.050	0.050	07/01/2020	ND	2.00	100	2.00	2.43	
Total Xylenes*	<0.150	0.150	07/01/2020	ND	5.80	96.7	6.00	2.33	
Total BTEX	<0.300	0.300	07/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	07/01/2020	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2020	ND	181	90.7	200	1.02	
DRO >C10-C28*	<10.0	10.0	07/01/2020	ND	187	93.3	200	3.10	QM-07, QR-03
EXT DRO >C28-C36	<10.0	10.0	07/01/2020	ND					
Surrogate: 1-Chlorooctane	82.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	87.0	% 42.2-15	6						

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Celey D. Keene



Analytical Results For:

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

 Received:
 06/30/2020
 Sampling Date:
 06/30/2020

 Reported:
 07/07/2020
 Sampling Type:
 Soil

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: SP 1 @ 14' (H001710-05)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2020	ND	1.89	94.3	2.00	4.59	
Toluene*	<0.050	0.050	07/01/2020	ND	1.89	94.5	2.00	4.60	
Ethylbenzene*	<0.050	0.050	07/01/2020	ND	1.92	95.8	2.00	4.86	
Total Xylenes*	<0.150	0.150	07/01/2020	ND	5.57	92.8	6.00	4.80	
Total BTEX	<0.300	0.300	07/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.9	% 73.3-12	9						
Chloride, SM4500CI-B	loride, SM4500Cl-B mg/kg			Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	07/01/2020	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2020	ND	181	90.7	200	1.02	
DRO >C10-C28*	<10.0	10.0	07/01/2020	ND	187	93.3	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/01/2020	ND					
Surrogate: 1-Chlorooctane	84.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.1	% 42.2-15	6						

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Analytical Results For:

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

 Received:
 06/30/2020
 Sampling Date:
 06/30/2020

 Reported:
 07/07/2020
 Sampling Type:
 Soil

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

Sample ID: SP 2 @ SURFACE (H001710-06)

BTEX 8021B

				-					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2020	ND	1.89	94.3	2.00	4.59	
Toluene*	<0.050	0.050	07/01/2020	ND	1.89	94.5	2.00	4.60	
Ethylbenzene*	<0.050	0.050	07/01/2020	ND	1.92	95.8	2.00	4.86	
Total Xylenes*	<0.150	0.150	07/01/2020	ND	5.57	92.8	6.00	4.80	
Total BTEX	<0.300	0.300	07/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6000	16.0	07/01/2020	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2020	ND	181	90.7	200	1.02	
DRO >C10-C28*	<10.0	10.0	07/01/2020	ND	187	93.3	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/01/2020	ND					
Surrogate: 1-Chlorooctane	83.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.7	% 42.2-15	6						

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Analytical Results For:

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

ma/ka

 Received:
 06/30/2020
 Sampling Date:
 06/30/2020

 Reported:
 07/07/2020
 Sampling Type:
 Soil

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: NONE GIVEN

Sample ID: SP 2 @ 4' (H001710-07)

RTFY 8021R

Analyte	Result	Reporting Limit							
		reporting Little	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2020	ND	1.89	94.3	2.00	4.59	
Toluene*	<0.050	0.050	07/01/2020	ND	1.89	94.5	2.00	4.60	
Ethylbenzene*	<0.050	0.050	07/01/2020	ND	1.92	95.8	2.00	4.86	
Total Xylenes*	<0.150	0.150	07/01/2020	ND	5.57	92.8	6.00	4.80	
Total BTEX	<0.300	0.300	07/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1440	16.0	07/01/2020	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2020	ND	181	90.7	200	1.02	
DRO >C10-C28*	<10.0	10.0	07/01/2020	ND	187	93.3	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/01/2020	ND					
Surrogate: 1-Chlorooctane	84.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.9	% 42.2-15	6						

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Analytical Results For:

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

 Received:
 06/30/2020
 Sampling Date:
 06/30/2020

 Reported:
 07/07/2020
 Sampling Type:
 Soil

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: SP 2 @ 8' (H001710-08)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2020	ND	1.89	94.3	2.00	4.59	
Toluene*	<0.050	0.050	07/01/2020	ND	1.89	94.5	2.00	4.60	
Ethylbenzene*	<0.050	0.050	07/01/2020	ND	1.92	95.8	2.00	4.86	
Total Xylenes*	<0.150	0.150	07/01/2020	ND	5.57	92.8	6.00	4.80	
Total BTEX	<0.300	0.300	07/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/01/2020	ND	432	108	400	3.64	QM-07
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2020	ND	181	90.7	200	1.02	
DRO >C10-C28*	<10.0	10.0	07/01/2020	ND	187	93.3	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/01/2020	ND					
Surrogate: 1-Chlorooctane	85.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.6	% 42.2-15	6						

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Analytical Results For:

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

 Received:
 06/30/2020
 Sampling Date:
 06/30/2020

 Reported:
 07/07/2020
 Sampling Type:
 Soil

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: SP 2 @ 12' (H001710-09)

BTEX 8021B

DILX GOZID	iiig/	, kg	Allulyzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2020	ND	1.89	94.3	2.00	4.59	
Toluene*	<0.050	0.050	07/01/2020	ND	1.89	94.5	2.00	4.60	
Ethylbenzene*	<0.050	0.050	07/01/2020	ND	1.92	95.8	2.00	4.86	
Total Xylenes*	<0.150	0.150	07/01/2020	ND	5.57	92.8	6.00	4.80	
Total BTEX	<0.300	0.300	07/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	07/01/2020	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2020	ND	181	90.7	200	1.02	
DRO >C10-C28*	<10.0	10.0	07/01/2020	ND	187	93.3	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/01/2020	ND					
Surrogate: 1-Chlorooctane	78.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	83.7	% 42.2-15	6						

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06/30/2020

Analytical Results For:

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

Received: 06/30/2020 Sampling Date:

Reported: 07/07/2020 Sampling Type: Soil Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SP 2 @ 14' (H001710-10)

BTEX 8021B	mg	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2020	ND	1.89	94.3	2.00	4.59	
Toluene*	<0.050	0.050	07/01/2020	ND	1.89	94.5	2.00	4.60	
Ethylbenzene*	<0.050	0.050	07/01/2020	ND	1.92	95.8	2.00	4.86	
Total Xylenes*	<0.150	0.150	07/01/2020	ND	5.57	92.8	6.00	4.80	
Total BTEX	<0.300	0.300	07/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/01/2020	ND	432	108	400	3.64	
TPH 8015M	mg	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2020	ND	181	90.7	200	1.02	
DRO >C10-C28*	<10.0	10.0	07/01/2020	ND	187	93.3	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/01/2020	ND					
Surrogate: 1-Chlorooctane	80.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	82.7	% 42.2-15	6						

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Analytical Results For:

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

NONE GIVEN

Received: 06/30/2020 Sampling Date: 06/30/2020

Reported: 07/07/2020 Sampling Type: Soil
Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Sample ID: SP 3 @ SURFACE (H001710-11)

Project Location:

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2020	ND	1.89	94.3	2.00	4.59	
Toluene*	<0.050	0.050	07/01/2020	ND	1.89	94.5	2.00	4.60	
Ethylbenzene*	<0.050	0.050	07/01/2020	ND	1.92	95.8	2.00	4.86	
Total Xylenes*	<0.150	0.150	07/01/2020	ND	5.57	92.8	6.00	4.80	
Total BTEX	<0.300	0.300	07/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	07/01/2020	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2020	ND	181	90.7	200	1.02	
DRO >C10-C28*	<10.0	10.0	07/01/2020	ND	187	93.3	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/01/2020	ND					
Surrogate: 1-Chlorooctane	72.1	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	74.7	% 42.2-15	6						

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Analytical Results For:

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

Received: 06/30/2020 Sampling Date: 06/30/2020 Reported: 07/07/2020 Sampling Type: Soil

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SP 3 @ 4' (H001710-12)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2020	ND	1.89	94.3	2.00	4.59	
Toluene*	<0.050	0.050	07/01/2020	ND	1.89	94.5	2.00	4.60	
Ethylbenzene*	<0.050	0.050	07/01/2020	ND	1.92	95.8	2.00	4.86	
Total Xylenes*	<0.150	0.150	07/01/2020	ND	5.57	92.8	6.00	4.80	
Total BTEX	<0.300	0.300	07/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1650	16.0	07/01/2020	ND	432	108	400	3.64	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2020	ND	181	90.7	200	1.02	
DRO >C10-C28*	<10.0	10.0	07/01/2020	ND	187	93.3	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/01/2020	ND					
Surrogate: 1-Chlorooctane	83.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	85.8	% 42.2-15	4						

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Celeg D. Freene



Analytical Results For:

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

Received: 06/30/2020 Sampling Date: 06/30/2020 Reported: 07/07/2020 Sampling Type: Soil

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SP 3 @ 8' (H001710-13)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2020	ND	1.89	94.3	2.00	4.59	
Toluene*	<0.050	0.050	07/01/2020	ND	1.89	94.5	2.00	4.60	
Ethylbenzene*	<0.050	0.050	07/01/2020	ND	1.92	95.8	2.00	4.86	
Total Xylenes*	<0.150	0.150	07/01/2020	ND	5.57	92.8	6.00	4.80	
Total BTEX	<0.300	0.300	07/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1150	16.0	07/01/2020	ND	432	108	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2020	ND	181	90.7	200	1.02	
DRO >C10-C28*	<10.0	10.0	07/01/2020	ND	187	93.3	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/01/2020	ND					
Surrogate: 1-Chlorooctane	81.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	85.6	% 42.2-15	6						

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Celeg D. Freene



Analytical Results For:

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

 Received:
 06/30/2020
 Sampling Date:
 06/30/2020

 Reported:
 07/07/2020
 Sampling Type:
 Soil

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: SP 3 @ 12' (H001710-14)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2020	ND	1.89	94.3	2.00	4.59	
Toluene*	<0.050	0.050	07/01/2020	ND	1.89	94.5	2.00	4.60	
Ethylbenzene*	<0.050	0.050	07/01/2020	ND	1.92	95.8	2.00	4.86	
Total Xylenes*	<0.150	0.150	07/01/2020	ND	5.57	92.8	6.00	4.80	
Total BTEX	<0.300	0.300	07/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	07/01/2020	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2020	ND	181	90.7	200	1.02	
DRO >C10-C28*	<10.0	10.0	07/01/2020	ND	187	93.3	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/01/2020	ND					
Surrogate: 1-Chlorooctane	79.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	83.3	% 42.2-15	6						

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Celey D. Keene



Analytical Results For:

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

 Received:
 06/30/2020
 Sampling Date:
 06/30/2020

 Reported:
 07/07/2020
 Sampling Type:
 Soil

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: NONE GIVEN

ma/ka

Sample ID: SP 3 @ 14' (H001710-15)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2020	ND	1.89	94.3	2.00	4.59	
Toluene*	<0.050	0.050	07/01/2020	ND	1.89	94.5	2.00	4.60	
Ethylbenzene*	<0.050	0.050	07/01/2020	ND	1.92	95.8	2.00	4.86	
Total Xylenes*	<0.150	0.150	07/01/2020	ND	5.57	92.8	6.00	4.80	
Total BTEX	<0.300	0.300	07/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	07/01/2020	ND	432	108	400	3.64	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2020	ND	181	90.7	200	1.02	
DRO >C10-C28*	<10.0	10.0	07/01/2020	ND	187	93.3	200	3.10	
EXT DRO >C28-C36	<10.0	10.0	07/01/2020	ND					
Surrogate: 1-Chlorooctane	80.5	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	84.9	% 42.2-15	6						

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Analytical Results For:

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

Received: 06/30/2020 Sampling Date: 06/30/2020 Reported: 07/07/2020 Sampling Type: Soil

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SP 3 @ 15' (H001710-16)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2020	ND	1.89	94.3	2.00	4.59	
Toluene*	<0.050	0.050	07/01/2020	ND	1.89	94.5	2.00	4.60	
Ethylbenzene*	<0.050	0.050	07/01/2020	ND	1.92	95.8	2.00	4.86	
Total Xylenes*	<0.150	0.150	07/01/2020	ND	5.57	92.8	6.00	4.80	
Total BTEX	<0.300	0.300	07/01/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.5	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	07/01/2020	ND	432	108	400	3.64	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/01/2020	ND	178	89.2	200	0.270	
DRO >C10-C28*	<10.0	10.0	07/01/2020	ND	176	87.9	200	0.882	
EXT DRO >C28-C36	<10.0	10.0	07/01/2020	ND					
Surrogate: 1-Chlorooctane	77.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	79.7	% 42.2-15	6						

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Notes and Definitions

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

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

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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Relinquished By:

Time: 12:45 Date: 6/31/2

Date: Time:

Received By:

Received By:

Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:

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

Corrected Temp. °C Observed Temp. °C

2

Sample Condition
Cool Intact
Pres Pres
No No

Relinquished By

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FAX (575) 393-2476 1 and

Project Manager: P.O. #: Address: Company:
City: State: Zip: Attn:
Phone #: Fax #: Address:
Project #: Project Owner: City:
Project Name: / Lunci / Ligo State: Zip:
Project Location: Turner Project Location: Phone #:
Sampler Name: JEFF Room Fax #:
MATRIX
CL Cample I.D. (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: DATE TIME CL CT CT TIME CL CT TT TT TT TT TT TT TT TT
12.23 V
2:35
251 68'
4 56 1 10 12'
5.41.0 141
6 SP à D'Surface
20,4,
88268
0/2'
14'

10

Thermometer ID #113 Correction Factor None

CHECKED BY: (Initials)

Turnaround Time:

Standard Rush

REMARKS:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

company Name: CARCA Confunction	81117	TO ANALYSIS REQUEST
Project Manager: "Bruse Backer	P.O. #:	- 1
Address:	Company:	
City: State:	Zip: Attn:	
Phone #: Fax #:	Address:	
Project #: Project Owner:	ner: City:	
Project Name: Turner Rugo	State: Zip:	
Project Location: Towner Project	Phone #:	
Sampler Name: Jeff Prison	Fax #:	
FOR LAB USE ONLY	ESERV.	SAMPLING
	ERS ATER	PH.
Lab I.D. Sample I.D.	(G)RAB OR # CONTAIN GROUNDW WASTEWAT SOIL DIL SLUDGE DTHER: ACID/BASE: CE / COOL DTHER:	TIME CL BTEX EXT. 7
11 SP 3 @ Surface	6	1205
12 583 @ 4"		1205
13 583 @ 8		1213
6/00 KH		727
		9.09
16 5,03 @/5"	\$120	2502 V V V
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Time: 16:45	Received By: Verbal Results a All Results a	Verbal Result: ☐ Yes ☐ No ☐ Add'I Phone #: All Results are emailed. Please provide Email address:
	Received By:	REMARKS:
Delivered By: (Circle One) Observed Temp. °C	°C 2.1 Sample Condition CHECKED BY:	Turnaround Time: Standard W Bacteria (only) S
Sampler - UPS - Bus - Other: Corrected Temp. °C	Yes Tres	
		ı



July 24, 2020

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: TURNER 1 ARGO

Enclosed are the results of analyses for samples received by the laboratory on 07/21/20 15:33.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

 Received:
 07/21/2020
 Sampling Date:
 07/21/2020

 Reported:
 07/24/2020
 Sampling Type:
 Soil

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SP 1 @ 16' (H001895-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1280	16.0	07/22/2020	ND	416	104	400	0.00	
Sample ID: SP 1 @ 20' (F	1001895-02)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	07/22/2020	ND	416	104	400	0.00	
Sample ID: SP 1 @ 22' (H	1001895-03)								
•	1001895-03) mg	/kg	Analyze	d By: GM					
Sample ID: SP 1 @ 22' (F Chloride, SM4500Cl-B Analyte	-	/kg Reporting Limit	Analyze Analyzed	d By: GM Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride, SM4500Cl-B	mg		•		BS 416	% Recovery	True Value QC 400	RPD 0.00	Qualifier
Chloride, SM4500CI-B Analyte	Result	Reporting Limit	Analyzed	Method Blank		•			Qualifier
Chloride, SM4500CI-B Analyte Chloride Sample ID: SP 3 @ 16' (H	Result	Reporting Limit	Analyzed 07/22/2020	Method Blank		•			Qualifier
Chloride, SM4500CI-B Analyte Chloride	Result 1440	Reporting Limit	Analyzed 07/22/2020	Method Blank ND		•			Qualifier Qualifier

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Analytical Results For:

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

Fax To: (575) 393-2432

Received: 07/21/2020 Sampling Date: 07/21/2020

Reported: 07/24/2020 Sampling Type: Soil

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: NONE GIVEN

Sample ID: SP 4 @ SURFACE (H001895-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2020	ND	1.94	97.2	2.00	2.22	
Toluene*	<0.050	0.050	07/22/2020	ND	1.96	97.8	2.00	2.20	
Ethylbenzene*	<0.050	0.050	07/22/2020	ND	1.95	97.7	2.00	2.30	
Total Xylenes*	<0.150	0.150	07/22/2020	ND	5.63	93.9	6.00	2.38	
Total BTEX	<0.300	0.300	07/22/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11000	16.0	07/22/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	07/22/2020	ND	209	104	200	1.72	
DRO >C10-C28*	9350	50.0	07/22/2020	ND	227	114	200	6.05	
EXT DRO >C28-C36	1950	50.0	07/22/2020	ND					
Surrogate: 1-Chlorooctane	108 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	349 9	42.2-15	6						

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Celey D. Keene



Analytical Results For:

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

Received: 07/21/2020 Sampling Date: 07/21/2020

Reported: 07/24/2020 Sampling Type: Soil Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact

Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SP 4 @ 4' (H001895-06)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/22/2020	ND	1.94	97.2	2.00	2.22	
Toluene*	<0.050	0.050	07/22/2020	ND	1.96	97.8	2.00	2.20	
Ethylbenzene*	<0.050	0.050	07/22/2020	ND	1.95	97.7	2.00	2.30	
Total Xylenes*	<0.150	0.150	07/22/2020	ND	5.63	93.9	6.00	2.38	
Total BTEX	<0.300	0.300	07/22/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	07/22/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/22/2020	ND	209	104	200	1.72	
DRO >C10-C28*	<10.0	10.0	07/22/2020	ND	227	114	200	6.05	
EXT DRO >C28-C36	<10.0	10.0	07/22/2020	ND					
Surrogate: 1-Chlorooctane	99.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	108 9	% 42.2-15	6						

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Analytical Results For:

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

Fax To: (575) 393-2432

Received: 07/21/2020 Sampling Date: 07/21/2020

Reported: 07/24/2020 Sampling Type: Soil

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SP 4 @ 8' (H001895-07)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	07/22/2020	ND	416	104	400	0.00	
Sample ID: SP 4 @ 12' (H	1001895-08)								
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2480	16.0	07/22/2020	ND	416	104	400	0.00	
Sample ID: SP 4 @ 16' (H	1001895-09)								
•	1001895-09) mg	/kg	Analyze	d By: GM					
•	•	/kg Reporting Limit	Analyze Analyzed	d By: GM Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride, SM4500CI-B Analyte	mg,		-	-	BS 416	% Recovery	True Value QC 400	RPD 0.00	Qualifier
Chloride, SM4500CI-B Analyte Chloride	mg, Result 1440	Reporting Limit	Analyzed	Method Blank		,	•		Qualifier
Chloride, SM4500CI-B Analyte Chloride Sample ID: SP 4 @ 19' (H	mg, Result 1440	Reporting Limit	Analyzed 07/22/2020	Method Blank		,	•		Qualifier
Sample ID: SP 4 @ 16' (Head Chloride, SM4500Cl-B Analyte Chloride Sample ID: SP 4 @ 19' (Head Chloride, SM4500Cl-B Analyte	mg, Result 1440	Reporting Limit	Analyzed 07/22/2020	Method Blank ND		,	•		Qualifier

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Celey D. Keene



Notes and Definitions

S-06 The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.

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



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

Company Name: Back Corporation		BILL TO		ANALYSIS REQUEST	
Project Manager: Bruce Baken	P.(P.O. #:			
Address:	Co	Company:			
City: State:	Zip: Attn:	ä			
Phone #: Fax #:	Ad	Address:			
Project #: Project Owner:	City:	y:			
Project Name: Turner Ar60	Sta	State: Zip:			
on: TURNER / 1	Ph	Phone #:			
Sampler Name: J. Known	Fa	Fax #:			-
	MATRIX	PRESERV. SAMPLING	ING		
Lab I.D. Sample I.D.	CONTAINERS ROUNDWATER VASTEWATER OIL LUDGE THER:	CID/BASE: CE / COOL THER:	CL BTEX EXT. TPH	EXT. TPH	
1 SP1016'		7/21/20	1005		
2 592 020'	1	1.1	1 950		
3 SP 1 @ 22'			1135 /		
4593 6 16'		1	1003		
5 SP 40 Surface			1 1 1 4441		
650404			1446 1 1	_	
7 504 0 8:		- /	1 8441		
8 584 6 12'			1450		
9 584 0 16'		-	1 6-561		
10 584 @ 19'	200 A	7/21/20 1	1454 /		
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Relinquished By: Date: 7/21/80	Received By:	ON LAND	Verbal Result: ☐ Yes All Results are emailed. Pi	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	
ums	Junera C	X MUM SI			
Relinquished-By: Date:	Received By:	70	REMARKS:		
Delivered By: (Circle One) Observed Temp. °C	Sample Condition	CHECKED BY: Tu	Turnaround Time: St	Standard Bacteria (only) Sample Condition	ร์ 9 กั
Sampler - UPS - Bus - Other: Corrected Temp. °C	The Has		Thermometer ID #113		; c

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



August 24, 2020

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: TURNER 1 ARGO

Enclosed are the results of analyses for samples received by the laboratory on 08/18/20 16:28.

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 08/18/2020

Received: 08/18/2020 Sampling Date: 08/18/2020 Reported: 08/24/2020 Sampling Type: Soil

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson
Project Location: NONE GIVEN

Sample ID: SP 1 @ 25' (H002159-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	08/21/2020	ND	416	104	400	0.00	

Sample ID: SP 1 @ 30' (H002159-02)

Chloride SM4500Cl-R

Cilioride, 3i-i	+300CI-B	ilig/	Ng .	Allalyze	u by. AC					
	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride		96.0	16.0	08/21/2020	ND	416	104	400	0.00	

Analyzed By: AC

Sample ID: SP 4 @ 20' (H002159-03)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	08/21/2020	ND	416	104	400	0.00	

Sample ID: SP 4 @ 25' (H002159-04)

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/21/2020	ND	416	104	400	0.00	

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 08/18/2020 Sampling Date: 08/18/2020

Reported: 08/24/2020 Sampling Type: Soil

Project Name: TURNER 1 ARGO Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NONE GIVEN

Sample ID: SP 4 @ 30' (H002159-05)

Chloride, SM4500Cl-B mg/kg Analyzed By: AC

Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier

Chloride 336 16.0 08/21/2020 ND 416 104 400 0.00

Sample ID: SP 4 @ 35' (H002159-06)

Chloride, SM4500Cl-B Analyzed By: AC Reporting Limit Analyzed BS True Value QC RPD Analyte Result Method Blank Qualifier % Recovery Chloride 240 16.0 08/21/2020 416 400 0.00 ND 104

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Celey D. Keene, Lab Director/Quality Manager

Released to Imaging: 1/15/2021 11:03:58 AM



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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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FAX (575) 393-2476			ANALYSIS REQUEST	ST
Company Name: Project Manager: Project Manager:	ache corporation P.O. #:		- 1	
Address:	Company:			
City: State:	Zip: Attn:			
1e#:	Address:			
Project #: Project Owner:	ner: City:			Ų.
Project Name: Tuna I Argo	State:	Zip:		
Project Location: June Rige	Phone #:			
Sampler Name: Off Drum	Fax	1		
FOR LAB USE ONLY	MATRIX PRESERV	SAMITEING		
Lab I.D. Sample I.D.				
Howars	# CO GROWA SOIL OIL SLU OT	DATE		
SP1 0055		10/20/20		
2 COL 10 30'		16/1		
25 6 6 6 5 5		732		
100 100 CO		1155		
6584035		8/18/20 1400 V		
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Relinquished By: Time:	Sy: Date: 1/8/30 Time: 1/29 Time: 1/29	Verbai Result: All Results are emailed.	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	
Relinquished By: Time:	Received By:	REMARKS:		
Delivered By: (Circle One) Observed Temp. °C 3	Sample Condition C	HECKED BY: Turnaround Time:	Standard Bacteria (only) Sample Condition Cool Intact Observed Temp.	ample Condition Observed Temp. °C
Correcte	o.°C Aves Aves	Thermometer ID #113 Correction Factor None	No No	Corrected Temp. °C
† Cardin	Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabsnm.com	ase email changes to celey.keene@	cardinallabsnm.com	

```
Turner Flaw Line Delineation 6/30/20
 100 port - SP1 @ Surface - 32. 463426, -103. 152331 -
       10.0/30.0 = 3 = 3.80 = 11,396
      5/102
 per out
       10.0/30.0 = 3 = 1.70 = 5,098
      SP104'
 OED Dust
       10.2/30.1= 2.95=1.37= 4,040
 200 Drt
      51106
       10.4/30.3 - 2.91 = 1.42 = 4,130
 Red Dirt
      SP308'
       10.2/30.3= 2.97= 1.25 = 3,711
      SP1010'
Valille
       10.2/30.3= 2.57= 1.20= 3,562
Caliche
      5/1012
       10.3/30.0=2.92=1.10= 3,211
 Waliche Sp 1 @ 14'
      10.5/30.0= 2.85= .80= 2,279
      SPZ@ Surface - 32,4630644, -103,4525254
and Dirt
      10.1/30.0 = 2.97 = 1.43 = 4,245
RED Dirt 5P2 0) 2'
      10.1/30.2=2.99=.69=2,062
80 Dirt 502@ 4"
      10.7/30.2 = 2.82=.65=1,832
180 Dirt 50206'
      10.0/30,0= 3=.56=1,679
BD Dirt 58208'
      10.1/30.2= 2.99=.28= 836
Calida SP2@10'

10.1/30.3 = 3 = .30 = 859
```

Page 44 of 48

Received by OCD: 9/28/2020 10:36:41 AM

WHE 502012' 10.4/ 30.2 = 2.90 = . 31 = 898 SP2 @ 13' 10.0/30.32 3.03 = . 24= 726 With 502014' 10.2/30.0= 2.94= .08= 235 / 10 Det 593 @ Surface - 32. 4630421, -103. 1520543 10.2/30.1 = Z.95 = 1.90 = 5,603 000 Det 50300 2' 10.2/30.2 = 2.96 = .93 = 2,751 10 Dt 4304' 10.0/30.1= 2.98=.58=1,727 10 Det 593 @ 6' 10.1/30.0 = 2,97=,42=1,247 00 Dirt 58308' 10.4/ 30.3 = 2.91 = .48 = 1,396 Caliche 503 0010' 10.1/30.2 = 2.99 = .46 = 1.374 White 583012" 10.2/30.0=2.94=,65=1,910 caliche 593014" 10.2/30.0=2.94=.42=1,234 catiche 583015" 10.0/30.3=3.03=.20=605

Page 46 of 48 Turner Flow Line Delineation miche SP1 @15' 7/21/20 10.1/30.1 = 2.98 = . 75 = 2,234 white 50 10 16' 10.1/30.0= 2.97 = ,46 = 1,365 Wiche 3P10018' salaha . 10.1/30.1=2.98=.36=1,072 when SPI @ Zv' 10.1/30,2 = 2.99 = , 80 = 2,391 wide 58 1 @ 22' 10.2/30.0=2.94=.50=1,469 Caliche 583 00 16" 10,3/30.2=2.93=.10=292 / 16-1- SP4@ Surface - 32. 463394, -103.152130 -10.0/30.1=3.01=5.58=16,790 80 Sit 5840)2' 10.7/30.3=2.83=1.39=3.932 DO DU+ SP404' 10.4/30,2=2.90=1.40=4,058 W Sit 584 06' 10.2/30.0=2.94=1.08=3,174 Received by OCD: 9/28/2020 10:36:41 AM 504 8' 10.1/30.3= 3 = 1.06= 3,179 callity 504@10' 10.5 / 30.1 = 2.86 = 1.20 = 3,430 calde 5040 12' 10.2/30,1= 2.95 = .75 = 2,211 cariche 584@ 14' 10.2 / 30.2 = 2.96 = ,63 = 1,864

Received by OCD: 9/28/2020 10:36:41 AM Page 47 of 48 alide 58400 16" 10.4/30.0 = 2.88 = .67 = 1,929 relide 3940018' 10.1/30.0= 2.97= . 42=1,247 valide 5940) 19' 10.2/30.2 = 2.96 = . 20 = 591 - Turner Flow line Delineution 8/18/20 (Soil Bone) calide 50 100 25' 10.4/30.1= 2.89=.10= 288 / white SP 1@ 30' 10,3/30,2=2.93=.05=146 caliche 59400 20' 10.3/30.1=2.92=.17=496/ Calibre 59400 25= 10.3/30.2=.16=468/ calibre 5840 30' 10.0/30.0= 3 = . 10 = 299 / calibe 584@35' 10.2/30.0=2.94=.06=176

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

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

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

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

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

CONDITIONS

Action 10382

CONDITIONS OF APPROVAL

Operator	:		OGRID:	Action Number:	Action Type:
	APACHE CORPORATION	303 Veterans Airpark Ln	873	10382	C-141
#1000	Midland, TX79705				

OCD Reviewer	Condition
ceads	None