Apache Corporation Geronimo 28 State #2 SWD 2RP-5705

Final Remediation Report



2525 NW County Rd Hobbs, NM 88240 (575) 392-9996

Introduction

This report presents the results of remediation activities at the Geronimo 28 State #2 SWD Transition Line. On behalf of Apache Corporation (Apache), Diamondback Disposal Services, Inc (Diamondback) was tasked with the cleanup and remediation of release 2RP-5705. The release occurred in Unit Letter I, Section 28, Township 17S, Range 28E at coordinates 32.80259, -104.17446. The remediation was performed in general accordance with the New Mexico Oil Conservation Division (NMOCD) rules and regulations for releases dated July 24, 2018.

Overview

The spill site is located mostly on state lease land consisting of grass, prairie, or range lands. Approximately 129 bbls of produced water was lost, with 30 bbls being recovered, due to a failed 4" poly to steel transition.

Regulatory Guidelines

Upon review of the site characteristics and a search of a groundwater database maintained by The New Mexico Office of the Stater Engineer (NMOSE) a survey was conducted to determine the average depth to groundwater within a one (1) mile radius of the release site and identify any registered water wells within a ½ mile radius of the release site. Several wells were identified as part of the NMOSE database search unfortunately none contained depth to groundwater information and, as such a soil boring was drilled at 32.798190, - 104.177687 which falls within .5 miles of the spill location. The soil boring was advanced to a depth of approximately 104 feet bgs and subsequently gauged for the presence of groundwater. No groundwater was present to the total depth of the boring at 104 feet bgs. A summary report of the soil boring and ground water measurement activities is provided (See Attached). Table 1 Closure Criteria for ground water depth of more than 100ft was utilized beyond the root zone and closure criteria for less than 50 feet was utilized for the root zone

Table 1 NMAC 19.15.29.12 Closure Criteria for Soils Impacted by a Release										
<50 Feet	Chloride	600 mg/kg								
	TPH (GRO+DRO+MRO)	100 mg/kg								
	BTEX	50 mg/kg								
	Benzene	10 mg/kg								

Clo	Table 1 NMAC 19.15.29.12 Closure Criteria for Soils Impacted by a Release											
>100 Feet	Chloride	20,000 mg/kg										
	TPH (GRO+DRO+MRO)	2,500 mg/kg										
	GRO+DRO	1,000 mg/kg										
	BTEX	50 mg/kg										
	Benzene	10 mg/kg										

Remediation Activities

Between the dates of January 13, 2021, and February 12th, 2021, Diamondback excavated approximately 4,860 cubic yards (cy) of impacted material, loaded, and transported to R-360 (Halfway Facility) for disposal. Average depth of excavation is approximately 4 feet below ground surface (bgs). Between the dates of January 18, 2021, and February 12th, 2021 the site was sampled to determine if RRAL's had been met. Five-point composite samples were collected, every 200 square feet for both wall and floor sections, packaged and delivered to a third-party lab, with chain of custody, for testing as per regulatory standards. (see attached analytical). Upon review of analytical, all floor samples prove to be below RRAL's for site closure. Being that the spill area was excavated to a depth of 4 feet bgs all restoration and reclamation standards have been met. All wall sections were also below Table 1 requirements. On February 1, 2021, a 20-mil reinforced HDPE liner was installed at 4 feet bgs, with sewed seams and properly seated at edges of excavation. Backfilling commenced from February 2, 2021, to February 12, 2022. A total of 4,860 cy of clean topsoil, similar to surrounding area, was imported and placed in excavation. Material was placed in a manner to promote compaction, crowned, and sloped to promote storm water runoff and erosion prevention. At locations where wall soil sample results exceeded allowed levels of Chloride and/or GRO+DRO+MRO, in these areas an additional 100 cy of material was excavated then impacted material was loaded, and transported to R-360 (Halfway Facility) for disposal. Five-point composite samples were collected, every 200 square feet for wall sections, packaged and delivered to a third-party lab, with chain of custody, for testing as per regulatory standards. Entire site, including un-excavated disturbed areas, will be seeded with State of NM Sandy Seed Mix at a rate of 30 lbs/acre during the next optimal growing season.

On December 16th, 2022 an IPS Hydrovac Truck was brought in to excavate at wall 13 in order to preserve the structural integrity of a line. The name W13 was replaced by two walls numbers as

3

follows: W1 @ 1-4' and W2 @ 1-4'. The expansion of the wall also created two additional floors which were labeled as B1 @ 4' and B2 @ 4'. Five-point composite samples were collected, every 200 square feet for both wall and floor sections, packaged and delivered to a third-party lab, with chain of custody, for testing as per regulatory standards. (see attached analytical). Upon review of additional analytical, all floor and Wall samples prove to be below RRAL's for site closure

Conclusions

Upon review of all analytical data provided by the third-party independent lab, results indicated that all recommended remediation action levels and restoration/reclamation criteria were met for all excavated areas. On behalf of the Apache Coorperation we respectfully request that the NMOCD grant closure approval for Geronimo 28 State #2 SWD ticket #2RP-5705. Thank You.

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Received by OCD: 11/4/2022	12:00:13 AM
Form C-141	State of New Mexico
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Incident ID	
District RP	
Facility ID	
Application ID	

Closure

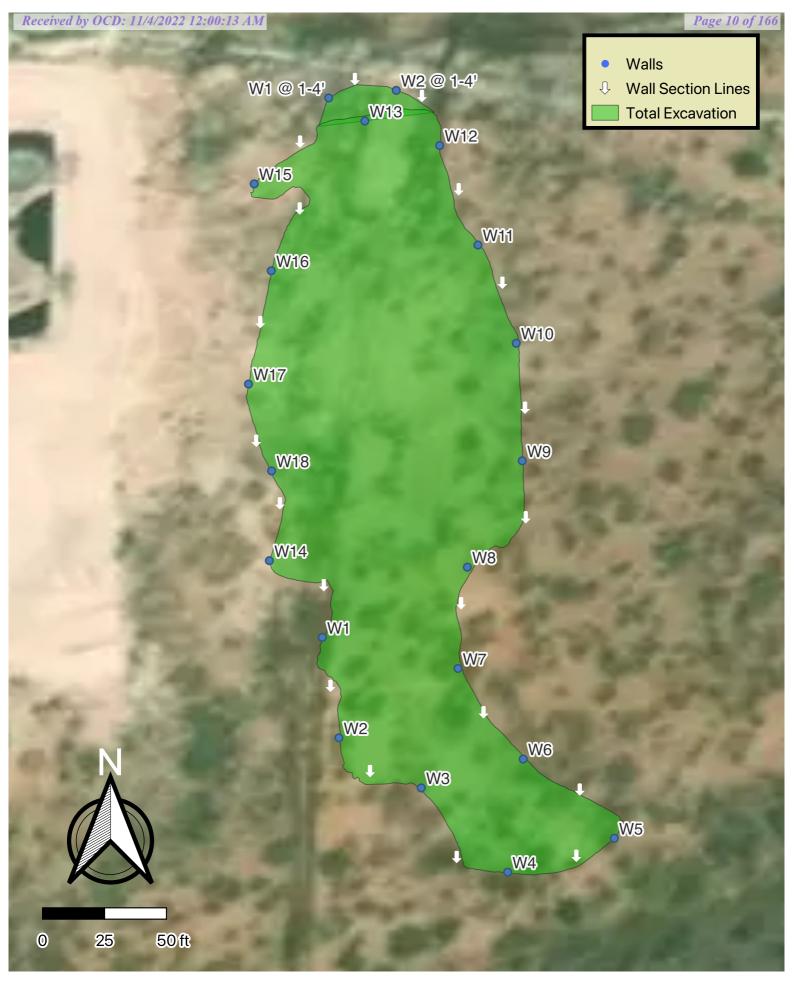
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled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

Closure Report Attachment Checklist: Each of the following	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									
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in								
Printed Name: Larry Baker	Title: Environmental Tech Sr. Staff								
Signature: Larry Baker	Date: 11/3/2022								
Signature: Larry Baker email: larry.baker@apachecorp.com	Telephone: 432-215-2284								
OCD Only									
Received by:	Date:								
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations.								
Closure Approved by:	Date:								
Printed Name:	Title:								

	A	В	С	D	E	F	G	Н	1	J	K	L	М	N	0
1	SAMPLE ID	LAB ID NUMBER	SAMPLE DEPHT	SAMPLE DATE	SAMPLE TYPE	BENZENE	TOLUENE mg/ kg	ETHYL-BENZEN (mg/kg)	TOTAL XYLENES mg/kg	TOTAL BTEX (mg/kg)	GRO C 6-C 10	DRO C 6-C 10	EXT DRO C 28- C36 (mg/kg)	TPH C6-c36 (mg/kg)	CHLORIDE (mg/kg)
	W- 1 WALL	H210116-01	0'-4'	1/18/2021	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	352
2	W- 1 WALL	H213646-03	1'-4'	12/16/202	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	80.0
	W- 2 WALL	H210116-02	0'-4'	1/18/2021	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	304
3	W- 2 WALL	H213646-03	1'-4'	12/16/2021	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	48.0
4	W- 3 WALL	H210116-03	0'-4'	1/18/21	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	48.0
5	W- 4 WALL	H210116-04	0'-4'	1/18/21	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	304
6	W- 5 WALL	H210116-05	0'-4'	1/18/21	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	448
7	W- 6 WALL	H210116-06	0'-4'	1/18/21	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	80.0
8	W- 7 WALL	H210116-07	0'-4'	1/18/21	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	160
9	W- 8 WALL	H210116-08	0'-4'	1/18/21	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	320
10	W- 9 WALL	H210116-09	0'-4'	1/18/21	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	128
11	W- 10 WALL	H210116-10	0'-4'	1/18/21	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	64
12	W- 11 WALL	H210116-11	0'-4'	1/18/21	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	144
13	W- 12 WALL	H210116-12	0'-4'	1/18/21	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	144
14	W- 13 WALL	H210116-13	0'-4'	1/18/21	COMP										
15	W- 14 WALL	H210116-14	0'-4'	1/18/21	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	144
16	W- 15 WALL	H210190-01	0'-4'	1/26/20/21	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	272
17	W- 16 WALL	H210190-02	0'-4'	1/26/20/21	COMP	< 0.050	< 0.050	< 0.050	< 0.150	<0.300	<10.0	<10.0	<10.0	<10.0	208
	W- 17 WALL	H210190-03	0'-4'	1/26/20/21	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	2600
18	W- 17 WALL	H210382-01	0'-4'	02/12/2021	COMP										112
	W- 18 WALL	H210190-04	0'-4'	1/26/20/21	COMP	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	2600
19	W- 18 WALL	H210382-02	0'-4'	02/12/2021	COMP										48.0

						TOLUENE	ETHYL-BENZEN	TOTAL XYLENES	TOTAL BTEX	GRO	DRO	EXT DRO	ТРН	CHLORIDE
SAMPLE ID	LAB ID NUMBER	SAMPLE DEPHT	SAMPLE DATE	SAMPLE TYPE	BENZENE	mg/kg	(mg/kg)	mg/kg	(mg/kg)	C 6-C 10	C 6-C 10	C 28- C36 (mg/kg)	C6-c36 (mg/kg)	(mg/kg)
B- 1 FLOOR	H210116-15	4'	1/18/2021	COMP	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	32.0
B-1 FLOOR	H210116-15	4'	12/16/2021	COMP	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	7600
B-2 FLOOR	H213646-01	4'	1/18/2021	COMP	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	96.0
B-2 FLOOR	H210116-16	4'	12/16/2021	COMP	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	8660
B-3 FLOOR	H210116-17	4'	1/18/21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	128
B- 4 FLOOR	H210116-18	4'	1/18/21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
B- 5 FLOOR	H210116-19	4'	1/18/21	COMP	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	112
B- 6 FLOOR	H210116-20	4'	1/18/21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	224
B-7 FLOOR	H210116-21	4' 4'	1/18/21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0 <10.0	<10.0 <10.0	<10.0	<10.0	672
B- 8 FLOOR B- 9 FLOOR	H210116-22 H210116-23	4'	1/18/21 1/18/21	COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0	<10.0	<10.0 <10.0	<10.0 <10.0	1640 896
B- 10 FLOOR	H210116-23	4'	1/18/21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	960
B- 11 FLOOR	H210116-25	4'	1/18/21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	1380
B- 13 FLOOR	H210110-23	4'	1/19/21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
B- 14 FLOOR	H210127-02	4'	1/19/21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	320
B- 15 FLOOR	H210127-03	4'	1/19/21	COMP	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3560
B- 16 FLOOR	H210127-04	4'	1/19/21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	944
B- 17 FLOOR	H210127-05	4'	1/19/21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	676
B- 18 FLOOR	H210127-06	4'	1/19/21	COMP	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2960
B- 19 FLOOR	H210127-07	4'	1/19/21	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	2360
B- 20 FLOOR	H210127-08	4'	1/19/21	COMP	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5280
B- 21 FLOOR	H210127-09	4'	1/19/21	COMP	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2000
B- 22 FLOOR	H210127-10	4'	1/19/21	COMP	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	1250
B- 23 FLOOR	H210127-11	4'	1/19/21	COMP	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	4960
B- 24 FLOOR	H210127-12	4'	1/19/21	COMP	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	11.0	11.0	4960
B- 25 FLOOR	H210127-13	4'	1/19/21	COMP	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3920
B- 26 FLOOR	H210127-14	4'	1/19/21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	880
B- 27 FLOOR	H210127-15	4'	1/19/21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3400
B- 28 FLOOR	H210127-16	4'	1/19/21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6560
B- 29 FLOOR	H210127-17	4' 4'	1/19/21 1/19/21	COMP	<0.050 <0.050	<0.050 <0.050	<0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0	1420 1880
B- 30 FLOOR B- 31 FLOOR	H210127-18 H210127-19	•	1/19/21	COMP	<0.050	<0.050	<0.050 <0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0 <10.0	3480
B-31 FLOOR	H210127-19 H210127-20	4' 4'	1/19/21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6720
B- 33 FLOOR	H210127-20	4'	1/19/21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6880
B- 34 FLOOR	H210127-21	4'	1/19/21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	10400
B- 35 FLOOR	H210127-23	4'	1/19/21	COMP	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	6600
B- 36 FLOOR	H210127-24	4'	1/19/21	COMP	<0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5060
B- 37 FLOOR	H210127-25	4'	1/19/21	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
B- 38 FLOOR	H210143-01	4'	1/28/22	COMP	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	720
B- 39 FLOOR	H210143-02	4'	1/28/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	1170
B- 40 FLOOR	H210143-03	4'	1/28/22	COMP	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	256
B- 41 FLOOR	H210143-04	4'	1/28/22	COMP	< 0.050	< 0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	1300
B- 42 FLOOR	H210143-05	4'	1/28/22	COMP	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	896
B- 43 FLOOR	H210143-06	4'	1/28/22	COMP	<0.050	< 0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2280
B- 44 FLOOR	H210143-07	4'	1/28/22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4560
B- 45 FLOOR	H210143-08	4'	1/28/22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4560
B- 46 FLOOR	H210143-09	4'	1/28/22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5120
B- 47 FLOOR	H210143-10	4'	1/28/22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	3680
B- 48 FLOOR	H210143-11	4'	1/28/22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	2000
B- 49 FLOOR B- 50 FLOOR	H210143-12 H210143-13	4' 4'	1/28/22 1/28/22	COMP	<0.050 <0.050	<0.050 <0.050	<0.050 <0.050	<0.150 <0.150	<0.300 <0.300	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	<10.0 <10.0	6260 9860
D- 30 FLOOR	TZ 10143-13	4	1/20/22	CONF	\0.000	\U.U3U	\U.U3U	~ 0.100	\U.300	\10.0	\10.0	\10.0	\10.0	3000

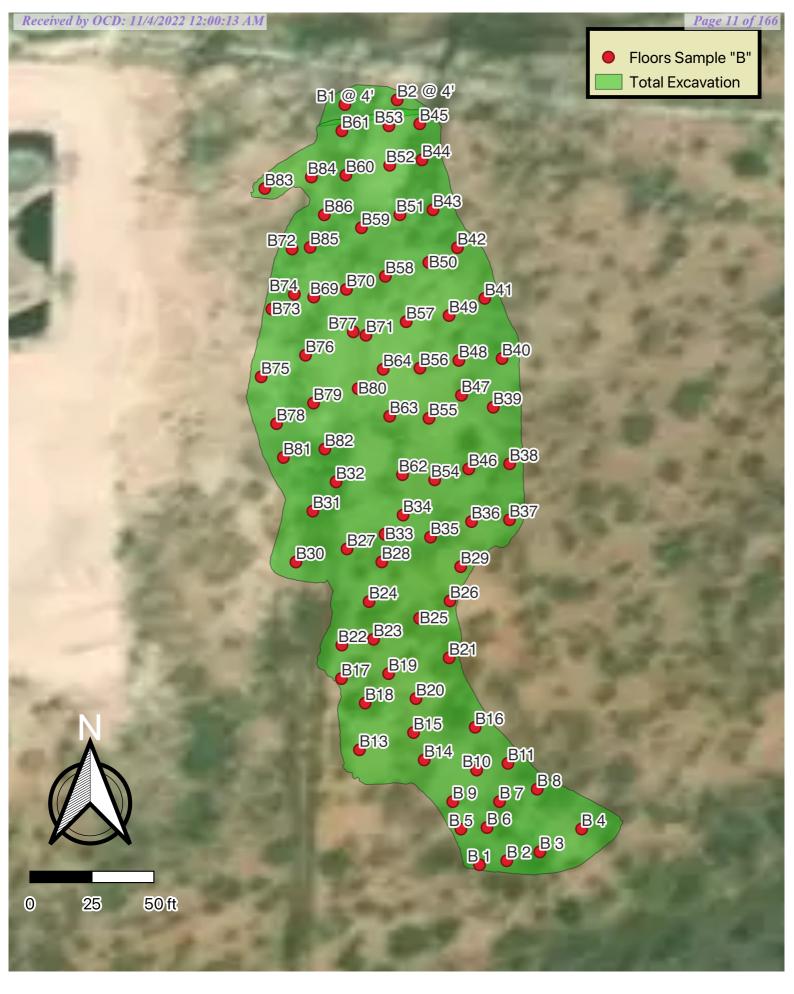
B- 51 FLOOR	H210143-14	A!	1/28/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	7060
B- 51 FLOOR	H210143-14	4 4'	1/28/22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	8400
B- 53 FLOOR	H210143-16	<u>4</u>	1/28/22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4400
		4 4'												
B- 54 FLOOR	H210143-17	4	1/28/22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	12800
B- 55 FLOOR	H210143-18	4'	1/28/22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5730
B- 56 FLOOR	H210143-19	4'	1/28/22	COMP	< 0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	7460
B- 57 FLOOR	H210143-20	4'	1/28/22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	9730
B- 58 FLOOR	H210143-21	4'	1/28/22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	7730
B- 59 FLOOR	H210143-22	4'	1/28/22	COMP	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5460
B- 60 FLOOR	H210143-23	4'	1/28/22	COMP	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	5060
B- 61 FLOOR	H210143-24	4'	1/28/22	COMP	< 0.050	< 0.050	< 0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	4400
B- 62 FLOOR	H210143-25	4'	1/28/22	COMP	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	7520
B- 63 FLOOR	H210143-26	4'	1/28/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	7330
B- 64 FLOOR	H210143-27	4'	1/28/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	8660
B- 69 FLOOR	H210190-05	4'	1/26/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	1790
B- 70 FLOOR	H210190-06	4'	1/26/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	144
B-71 FLOOR	H210190-07	4'	1/26/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	3080
B- 72 FLOOR	H210190-08	4'	1/26/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	1840
B- 73 FLOOR	H210190-09	4'	1/26/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	8640
B- 74 FLOOR	H210190-10	4'	1/26/22	COMP	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	3120
B- 75 FLOOR	H210190-11	4'	1/26/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	7600
B- 76 FLOOR	H210190-12	4'	1/26/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	1410
B- 77 FLOOR	H210190-13	4'	1/26/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	1730
B- 78 FLOOR	H210190-14	4'	1/26/22	COMP	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	1840
B- 79 FLOOR	H210190-15	4'	1/26/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	4640
B- 80 FLOOR	H210190-16	4'	1/26/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	688
B- 81 FLOOR	H210190-17	4'	1/26/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	1880
B- 82 FLOOR	H210190-18	4'	1/26/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	
B- 83 FLOOR	H210143-19	4'	1/28/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	6400
B- 84 FLOOR	H210143-20	4'	1/28/22	COMP	< 0.050	< 0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	8400
B- 85 FLOOR	H210143-30	4'	1/28/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	4080
B-86 FLOOR	H210143-31	4'	1/28/22	COMP	< 0.050	< 0.050	< 0.050	< 0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	6640
			L	l .	L	L	ı	ı	L	L	1		l.	



Wall Delineation
Apache
Geronimo 28 State SWD #002
Release District RP: 2RP-5705
Eddy County,New Mexico
Released to Imaging: 1/17/2023 11:07:23 AM



Diamondback Disposal Services,Inc P.O.Box 2491 Hobbs,NM 88241 575-392-9996



Floor Map
Apache
Geronimo 28 State SWD #002
Release District RP: 2RP-5705
Eddy County,New Mexico
Released to Imaging: 1/17/2023 11:07:23 AM



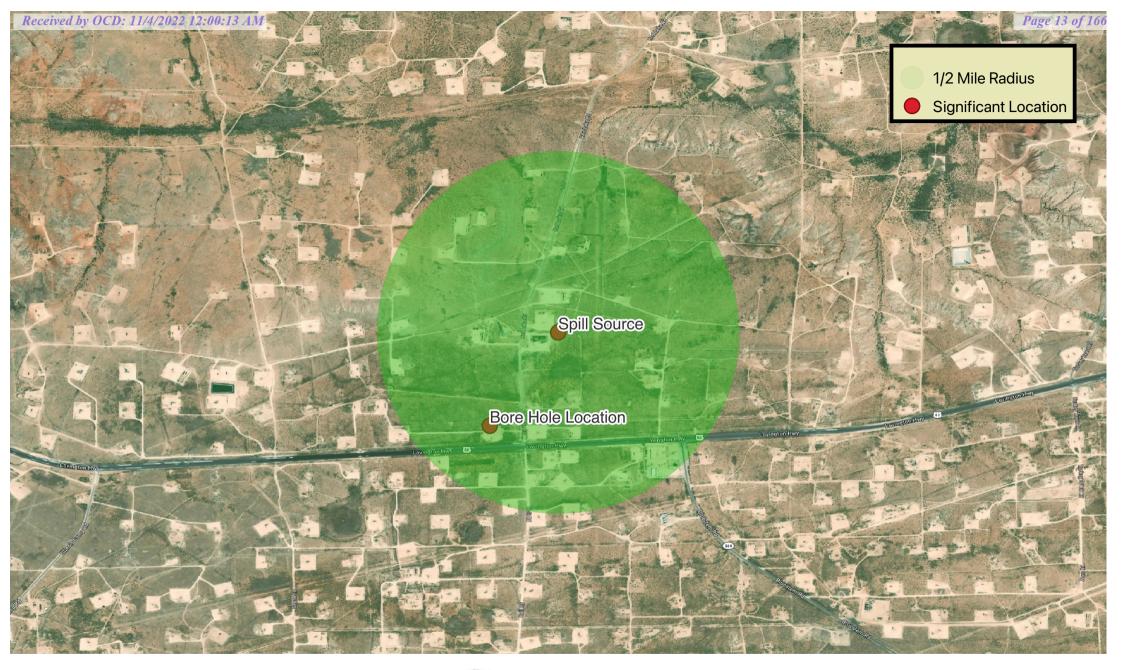
Diamondback Disposal Services,Inc P.O.Box 2491 Hobbs,NM 88241 575-392-9996

Desert Sand Water Well Services, LLC.

Soil Bore Report

Ę.	Customer:				lm!					
H	1	4			Phone:	Date:				
General / Well Info		ack Dispos	al/Apach	e Corp.	575-631-9586	8/3/21				
ral	Well Name:				Location:	1				
Gene	WASHIN	IGTON 33	STATE #	4 64	32.798190, -104.177687					
	DE	PTH								
Address of the Control of the Contro	FROM	то	THICKNESS (feet)	COLOR	AND TYPE OF MATERIAL ENCOUNTERED - IN BEARING CAVITIES OR FRACTURES	CLUDE WATER				
	0	3	3		TOP SOIL	-				
	3	21	18		CALICHE / CONGLOMERATE ROCK					
	21	41	20		RED SAND					
,	41	61	20		RED SAN/ RED CLAY STRINGERS / ROO	ער				
	61	81	20		RED SAND / RED CALY STRINGERS	N.				
	81	91	10		RED SAND					
	91	104	13		TAN SAND					
					TIAL DAILYD					
-										
OF WELL										
4				BORE H	HOLE WAS LEFT OPEN 72 HOURS THEN CHECKED FOR					
				WATER. TH	THE BORE HOLE WAS DRY AFTER 72 HOURS. BORE HOLE WAS					
rog				PLUGGEI	D FROM THE BOTTOM OF THE HOLE TO THE TOP WITH					
7				CLE	EAN NATURAL FILL AND 3/8 HOLE PLUG ON 8/6/21.					
T										
					·					

-						1				



Soil Boring Map
Apache
Geronimo 28 State SWD #002
Release District RP: 2RP-5705
Eddy County New Mexico
Released to Imaging: 1/1//2023 11:07:23 AM



Diamondback Disposal Services,Inc P.O.Box 2491 Hobbs,NM 88241 575-392-9996

Received by OCD: 10/22/2019 3:30:35 PM Received by OCD: 11/4/2022 12:00:13 AM

Cause of Release

Poly to steel 4" transition failed.

State of New Mexico **Energy Minerals and Natural** Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

Incident ID	NRM1932357560
District RP	2RP-5705
Facility ID	
Application ID	pRM1932357729

Release Notification

R7KN7-191022-C-1410

			Resp	onsi	bie Party	Y				
Responsible	Party: Apacl	ne Corporation	<u>.</u> .	OGRID	873					
Contact Nam	e: Bruce Ba	iker			Contact Telephone: (432) 631-6982					
Contact emai	l: Larry.Bak	er@apachecorp.c	om		Incident #	(assigned by OCD)				
Contact Mail 88240	ing Address	: 2350 W. Marlan	d Blvd, Hobbs, Ni	M						
			Location	of R	Release So	ource				
		La	titude: <u>W 32.8025</u>	9	Longitud	le: <u>N -104.17446</u>				
			(NAD 83 in dec	cimal de	grees to 5 decim	ual places)				
Site Name: G	ERONIMO	28 STATE SWD	#002		Site Type:	Line				
Date Release	Discovered:	October 11, 2019			API#					
Unit Letter	Section	Township	Range		Coun	tv				
I	28	17S	28E	Edd						
					,					
Surface Owner	r: 🛛 State	Federal Tr	ibal 🔲 Private (/	Vame:	Not Applicat	ble)				
			Nature and	l Wal	lume of I	Palanca				
			Mature and	LVU	iuille of f	Kelease				
					tions or specific	justification for the volumes provided below)				
Crude Oil		Volume Release	d (not applicable)			Volume Recovered (not applicable)				
Produced	Water	Volume Release	d (129 barrels)			Volume Recovered (30 barrels)				
			ion of dissolved c	le in the Yes No						
Condensa	te	produced water: Volume Release			Volume Recovered (bbls)					
☐ Natural G		Volume Release			Volume Recovered (Mcf)					
Other (de	scribe)	Volume/Weight	Released (provide	units)	Volume/Weight Recovered (provide units	s)			



State of New Mexico Oil Conservation Division

Incident ID	NRM1932357560
District RP	2RP-5705
Facility ID	
Application ID	pRM1932357729

Was this a major	If YES, for what reason(s) does the responsible party consider this a major release?
release as defined by 19.15.29.7(A) NMAC?	Release is greater than 5 barrels.
⊠ Yes □ No	
	otice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? CD by Jeff Broom, Environmental Technician, Apache Corporation.
	Initial Response
The responsible	party must undertake the following actions immediately unless they could create a safety hazard that would result in injury
☐ The source of the rele	ease has been stopped.
The impacted area ha	s been secured to protect human health and the environment.
Released materials ha	we been contained via the use of berms or dikes, absorbent pads, or other containment devices.
All free liquids and re	ecoverable materials have been removed and managed appropriately.
If all the actions describe	d above have not been undertaken, explain why:
has begun, please attach	AC the responsible party may commence remediation immediately after discovery of a release. If remediation a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred at area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.
regulations all operators are public health or the environ failed to adequately investig	rmation given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and required to report and/or file certain release notifications and perform corrective actions for releases which may endanger ment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have ate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In f a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws
Printed Name: Jeff Broom	n Title: Environmental Technician
Signature:	Date: 10/22/2019
Email: Jeffrey.Broom@a	pachecorp.com Telephone: (432) 664-4677
OCD Only	
Received by: Ramona M	Marcus Date: _11/19/2019

Received by OCD: 11/4/2022 12:00:13 AM









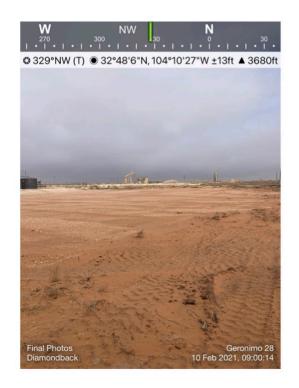




















January 21, 2021

BRUCE BAKER APACHE CORP - HOBBS 2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: GERONIMO #28

Enclosed are the results of analyses for samples received by the laboratory on 01/18/21 16:36.

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)

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

 Received:
 01/18/2021

 Reported:
 01/21/2021

 Project Name:
 GERONIMO #28

Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 01/18/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Jodi Henson

Sample ID: W 1 (H210116-01)

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	01/19/2021	ND	2.08	104	2.00	3.33	
Toluene*	<0.050	0.050	01/19/2021	ND	2.10	105	2.00	3.91	
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.06	103	2.00	4.07	
Total Xylenes*	<0.150	0.150	01/19/2021	ND	6.34	106	6.00	3.40	
Total BTEX	<0.300	0.300	01/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	82.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	83.7	% 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: 01/18/2021 Sampling Date: 01/18/2021

Reported: Sampling Type: Soil 01/21/2021

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: NONE GIVEN

Sample ID: W 2 (H210116-02)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2021	ND	2.08	104	2.00	3.33	
Toluene*	<0.050	0.050	01/19/2021	ND	2.10	105	2.00	3.91	
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.06	103	2.00	4.07	
Total Xylenes*	<0.150	0.150	01/19/2021	ND	6.34	106	6.00	3.40	
Total BTEX	<0.300	0.300	01/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	59.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	59.9	% 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: 01/18/2021 Sampling Date: 01/18/2021

Reported: Sampling Type: Soil 01/21/2021

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: NONE GIVEN

Sample ID: W 3 (H210116-03)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2021	ND	2.08	104	2.00	3.33	
Toluene*	<0.050	0.050	01/19/2021	ND	2.10	105	2.00	3.91	
Ethylbenzene*	<0.050	0.050	01/19/2021	ND	2.06	103	2.00	4.07	
Total Xylenes*	< 0.150	0.150	01/19/2021	ND	6.34	106	6.00	3.40	
Total BTEX	<0.300	0.300	01/19/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	74.0 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	74.6	% 42.2-15	6						

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Celey D. Keene



Jodi Henson

Analytical Results For:

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

Fax To: (575) 393-2432

Received: 01/18/2021 Sampling Date: 01/18/2021 Reported: Sampling Type: Soil 01/21/2021

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact Sample Received By:

Project Location: NONE GIVEN

NONE GIVEN

mg/kg

Sample ID: W 4 (H210116-04)

Project Number:

BTEX 8021B

DILX GOZID	iiig/	, kg	Alldiyzo	a by. ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.33	
Toluene*	<0.050	0.050	01/20/2021	ND	2.10	105	2.00	3.91	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.06	103	2.00	4.07	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.34	106	6.00	3.40	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	82.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	81.8	% 42.2-15	6						

Analyzed By: ms

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 01/18/2021 Sampling Date: 01/18/2021

Reported: 01/21/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: ms

Project Location: NONE GIVEN

mg/kg

Sample ID: W 5 (H210116-05)

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	01/20/2021	ND	2.08	104	2.00	3.33	
Toluene*	<0.050	0.050	01/20/2021	ND	2.10	105	2.00	3.91	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.06	103	2.00	4.07	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.34	106	6.00	3.40	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	80.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	79.7	% 42.2-15	6						

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Celey D. Keene



Soil

Analytical Results For:

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

Received: 01/18/2021 Sampling Date: 01/18/2021

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: ms

Sampling Type:

Project Location: NONE GIVEN

01/21/2021

mg/kg

Sample ID: W 6 (H210116-06)

Reported:

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	01/20/2021	ND	2.08	104	2.00	3.33	
Toluene*	<0.050	0.050	01/20/2021	ND	2.10	105	2.00	3.91	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.06	103	2.00	4.07	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.34	106	6.00	3.40	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	82.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	83.3	% 42.2-15	6						

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Analytical Results For:

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

Received: 01/18/2021 Sampling Date: 01/18/2021

Reported: 01/21/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: me

Project Location: NONE GIVEN

ma/ka

Sample ID: W 7 (H210116-07)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	ea By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.33	
Toluene*	<0.050	0.050	01/20/2021	ND	2.10	105	2.00	3.91	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.06	103	2.00	4.07	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.34	106	6.00	3.40	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	82.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	82.6	% 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: 01/18/2021

Reported: 01/21/2021 Project Name: GERONIMO #28 Project Number: NONE GIVEN Project Location: NONE GIVEN

Sampling Date: 01/18/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: W 8 (H210116-08)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.33	
Toluene*	<0.050	0.050	01/20/2021	ND	2.10	105	2.00	3.91	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.06	103	2.00	4.07	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.34	106	6.00	3.40	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 5	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	80.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	79.8	% 42.2-15	6						

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Celey D. Keine



NONE GIVEN

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

01/18/2021

Analytical Results For:

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

Received: 01/18/2021 Sampling Date:

Reported: 01/21/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Sample ID: W 9 (H210116-09)

Project Location:

BTEX 8021B	mg	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.33	
Toluene*	<0.050	0.050	01/20/2021	ND	2.10	105	2.00	3.91	
Ethylbenzene*	< 0.050	0.050	01/20/2021	ND	2.06	103	2.00	4.07	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.34	106	6.00	3.40	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	78.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	79.2	% 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:
 01/18/2021
 Sampling Date:
 01/18/2021

 Reported:
 01/21/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: ms

Project Location: NONE GIVEN

mg/kg

Sample ID: W 10 (H210116-10)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.33	
Toluene*	<0.050	0.050	01/20/2021	ND	2.10	105	2.00	3.91	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.06	103	2.00	4.07	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.34	106	6.00	3.40	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	79.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	80.4	% 42.2-15	6						

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Analytical Results For:

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

Received: 01/18/2021 Reported: 01/21/2021

Project Name: GERONIMO #28
Project Number: NONE GIVEN
Project Location: NONE GIVEN

ma/ka

Sampling Date: 01/18/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: W 11 (H210116-11)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.33	
Toluene*	<0.050	0.050	01/20/2021	ND	2.10	105	2.00	3.91	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.06	103	2.00	4.07	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.34	106	6.00	3.40	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	74.6	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	75.9	% 42.2-15	6						

Analyzed By: me

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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: 01/18/2021 Reported: 01/21/2021

01/21/2021 GERONIMO #28 NONE GIVEN

ma/ka

Project Location: NONE GIVEN

Sampling Date: 01/18/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: W 12 (H210116-12)

Project Name:

RTFY 8021R

Project Number:

BIEX 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	01/20/2021	ND	2.11	106	2.00	0.143	
Toluene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.206	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.04	102	2.00	0.666	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	5.98	99.7	6.00	0.764	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	77.5	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	78.5	% 42.2-15	6						

Analyzed By: MC

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Celeg D. Freene



01/18/2021

Analytical Results For:

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

Received: 01/18/2021 Sampling Date:

Reported: Sampling Type: Soil 01/21/2021

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: NONE GIVEN

Sample ID: W 13 (H210116-13)

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	01/20/2021	ND	2.11	106	2.00	0.143	
Toluene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.206	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.04	102	2.00	0.666	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	5.98	99.7	6.00	0.764	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	80.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	81.6	% 42.2-15	6						

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Celey D. Keine



01/18/2021

Analytical Results For:

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

Received: 01/18/2021 Sampling Date:

Reported: Sampling Type: Soil 01/21/2021

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: NONE GIVEN

Sample ID: W 14 (H210116-14)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	0.143	
Toluene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.206	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.04	102	2.00	0.666	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	5.98	99.7	6.00	0.764	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	82.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.6	% 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: 01/18/2021 Reported: 01/21/2021

Project Name: GERONIMO #28 Project Number: NONE GIVEN Project Location: NONE GIVEN

Sampling Date: 01/18/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: B 1 (H210116-15)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	0.143	
Toluene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.206	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.04	102	2.00	0.666	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	5.98	99.7	6.00	0.764	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 73.3-12	9						
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	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	72.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	71.7	% 42.2-15	6						

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Celey D. Keine



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 01/18/2021 Sampling Date: 01/18/2021

Reported: 01/21/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: B 2 (H210116-16)

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	01/20/2021	ND	2.11	106	2.00	0.143	
Toluene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.206	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.04	102	2.00	0.666	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	5.98	99.7	6.00	0.764	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	77.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	78.5	% 42.2-15	6						

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Celey D. Keine



Analytical Results For:

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

Received: 01/18/2021 Sampling Date: 01/18/2021

Reported: 01/21/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: NONE GIVEN

ma/ka

Sample ID: B 3 (H210116-17)

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	01/20/2021	ND	2.11	106	2.00	0.143	
Toluene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.206	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.04	102	2.00	0.666	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	5.98	99.7	6.00	0.764	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	76.1	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	77.1	% 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: 01/18/2021 Sampling Date: 01/18/2021

Reported: 01/21/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: B 4 (H210116-18)

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	01/20/2021	ND	2.11	106	2.00	0.143	
Toluene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.206	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.04	102	2.00	0.666	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	5.98	99.7	6.00	0.764	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	82.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	81.0	% 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: 01/18/2021

Reported: 01/21/2021 Project Name: GERONIMO #28 Project Number: NONE GIVEN Project Location: NONE GIVEN

Sampling Date: 01/18/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: B 5 (H210116-19)

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	01/20/2021	ND	2.11	106	2.00	0.143	
Toluene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.206	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.04	102	2.00	0.666	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	5.98	99.7	6.00	0.764	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	203	102	200	0.487	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	165	82.5	200	4.52	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	76.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	77.9	% 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: 01/18/2021 Sampling Date: 01/18/2021

Reported: 01/21/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: B 6 (H210116-20)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	0.143	
Toluene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.206	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.04	102	2.00	0.666	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	5.98	99.7	6.00	0.764	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	221	110	200	9.33	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	225	113	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	91.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.9	% 42.2-15	6						

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Celey D. Keine



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 01/18/2021 Sampling Date: 01/18/2021 Reported: Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Jodi Henson

Project Location: NONE GIVEN

01/21/2021

Sample ID: B 7 (H210116-21)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	0.143	
Toluene*	<0.050	0.050	01/20/2021	ND	2.09	104	2.00	0.206	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.04	102	2.00	0.666	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	5.98	99.7	6.00	0.764	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	221	110	200	9.33	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	225	113	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	97.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.9	% 42.2-15	6						

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Celey D. Keine



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 01/18/2021 Sampling Date: 01/18/2021

Reported: 01/21/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: NONE GIVEN

ma/ka

Sample ID: B 8 (H210116-22)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.18	109	2.00	3.51	
Toluene*	<0.050	0.050	01/20/2021	ND	2.19	110	2.00	4.69	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.18	109	2.00	6.30	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.36	106	6.00	6.43	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1640	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	221	110	200	9.33	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	225	113	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	102	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	98.9	% 42.2-15	6						

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Celeg D. Freene



01/18/2021

Soil

Analytical Results For:

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

Received: 01/18/2021 Sampling Date:
Reported: 01/21/2021 Sampling Type:

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: B 9 (H210116-23)

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	01/20/2021	ND	2.18	109	2.00	3.51	
Toluene*	<0.050	0.050	01/20/2021	ND	2.19	110	2.00	4.69	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.18	109	2.00	6.30	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.36	106	6.00	6.43	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	896	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	221	110	200	9.33	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	225	113	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	98.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.0	% 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: 01/18/2021 Sampling Date: 01/18/2021

Reported: 01/21/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: B 10 (H210116-24)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.18	109	2.00	3.51	
Toluene*	<0.050	0.050	01/20/2021	ND	2.19	110	2.00	4.69	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.18	109	2.00	6.30	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.36	106	6.00	6.43	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	221	110	200	9.33	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	225	113	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	98.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	94.0	% 42.2-15							

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Celey D. Keine



Analytical Results For:

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

Received: 01/18/2021 Sampling Date: 01/18/2021 Reported: Sampling Type: Soil 01/21/2021

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Jodi Henson Project Location: NONE GIVEN

Sample ID: B 11 (H210116-25)

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	01/20/2021	ND	2.18	109	2.00	3.51	
Toluene*	<0.050	0.050	01/20/2021	ND	2.19	110	2.00	4.69	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.18	109	2.00	6.30	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.36	106	6.00	6.43	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1380	16.0	01/20/2021	ND	400	100	400	3.92	
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	01/20/2021	ND	221	110	200	9.33	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	225	113	200	10.2	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	90.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	87.7	% 42.2-15	6						

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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Celey D. Keine

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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Page 28 of 30

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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		P.O. #:	Project Manager: Rower Buller 18
ANALYSIS REQUEST		BILL TO	Company Name: Apulla
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



+ Cardinal c	Sampler - UPS - Bus - Other: Corrected Temp. °C	Delivered By: (Circle One) Observed Temp. °C 2,4	Time:	Revindurished By:	Time: / lot	Relinquished By:	service. In no event shall Cardinal be liable for incidental or consequental damages, including affiliates or successors arising out of or related to the performance of services hereunder by Cardinales or successors arising out of or related to the performance of services hereunder by Cardinales or successors arising out of or related to the performance of services hereunder by Cardinales or successors arising out of or related to the performance of services hereunder by Cardinales or successors arising out of or related to the performance of services hereunder by Cardinales or successors arising out of or related to the performance of services hereunder by Cardinales or successors arising out of or related to the performance of services hereunder by Cardinales or successors arising out of or related to the performance of services hereunder by Cardinales or successors arising out of or related to the performance of services hereunder by Cardinales or successors arising out of or related to the performance of services hereunder by Cardinales or successors arising out of or related to the performance of services hereunder by Cardinales or successors are successors are successors are successors are successors are successors are successors and the services of the services of the successors are successors are successors are successors are successors.	PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for an analyses, All claims including those for negligence and any other cause whatsoever shall be d			7 P P P P P P P P P P P P P P P P P P P	211 816	201	77	テノ	H210116		Lab I.D. Sample I.D.			~	Project Location: Cocarring 28	Project Name:	Project #: Project Owner:	Phone #: Fax #:	State:	Address:	Project Manager: Drogge Bully 1	Company Name: Howking
Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	S S	Sample Condition CHECKED BY:	4	Received By:	your surrow.	Received By: All Resi	service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, toos or use, or toos or promise and promote of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	PLEASE NOTE: Lability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the cuern to reason analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicant analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicant analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicant analyses.			3:30	3:20	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	16:51		# CC GRC WAS SOII OIL SLU OTH ACII	DUNI STEV L DGE HER	AINEF DWATE WATE	TER	MATRIX PRESERV. SAMPLING	1	Phone #:	State: Zip:	City:	Address:	NMzip: 86940 Attn:	Company:	P.O. #:	BILL 10
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January 21, 2021

BRUCE BAKER APACHE CORP - HOBBS 2350 W. MARLAND BLVD.

RE: GERONIMO #28

HOBBS, NM 88240

Enclosed are the results of analyses for samples received by the laboratory on 01/19/21 16:42.

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: 01/19/2021 Reported: 01/21/2021

Project Name: GERONIMO #28
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 01/19/2021

Sampling Type: Soil

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

Sample ID: B 13 (H210127-01)

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	01/21/2021	ND	2.14	107	2.00	0.693	
Toluene*	<0.050	0.050	01/21/2021	ND	2.11	105	2.00	0.742	
Ethylbenzene*	<0.050	0.050	01/21/2021	ND	2.07	103	2.00	0.759	
Total Xylenes*	<0.150	0.150	01/21/2021	ND	6.03	101	6.00	0.903	
Total BTEX	<0.300	0.300	01/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/21/2021	ND	416	104	400	3.77	
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	01/20/2021	ND	228	114	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	243	122	200	0.519	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	98.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.0	% 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: 01/19/2021 Sampling Date: 01/19/2021

Reported: 01/21/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: B 14 (H210127-02)

BTEX 8021B

	9/	9	71.14.1, = 0	= 7					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2021	ND	2.14	107	2.00	0.693	
Toluene*	<0.050	0.050	01/21/2021	ND	2.11	105	2.00	0.742	
Ethylbenzene*	<0.050	0.050	01/21/2021	ND	2.07	103	2.00	0.759	
Total Xylenes*	<0.150	0.150	01/21/2021	ND	6.03	101	6.00	0.903	
Total BTEX	<0.300	0.300	01/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/21/2021	ND	416	104	400	3.77	
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	01/20/2021	ND	228	114	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	243	122	200	0.519	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	94.5	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	92.7	% 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: 01/19/2021 Sampling Date: 01/19/2021

Reported: 01/21/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: ms

Project Location: NONE GIVEN

mg/kg

Sample ID: B 15 (H210127-03)

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	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3560	16.0	01/21/2021	ND	416	104	400	3.77	
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	01/20/2021	ND	228	114	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	243	122	200	0.519	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	94.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.3	% 42.2-15	6						

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Analytical Results For:

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

Received: 01/19/2021

mg/kg

Sampling Date: 01/19/2021 Reported: Sampling Type: Soil 01/21/2021

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Analyzed By: ms

Project Location: NONE GIVEN

Sample ID: B 16 (H210127-04)

BTEX 8021B

	<u> </u>			•					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	01/21/2021	ND	416	104	400	3.77	
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	01/20/2021	ND	228	114	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	243	122	200	0.519	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	95.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.5	% 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:
 01/19/2021
 Sampling Date:
 01/19/2021

 Reported:
 01/21/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: me

Project Location: NONE GIVEN

ma/ka

Sample ID: B 17 (H210127-05)

RTFY 8021R

BIEX 8021B	mg/	кд	Anaiyze	a By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	01/21/2021	ND	416	104	400	3.77	
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	01/20/2021	ND	228	114	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	243	122	200	0.519	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	92.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	86.7	% 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: 01/19/2021

mg/kg

Sampling Date: 01/19/2021 Reported: Sampling Type: Soil 01/21/2021

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Analyzed By: ms

Project Location: NONE GIVEN

Sample ID: B 18 (H210127-06)

BTEX 8021B

	<u> </u>			,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2960	16.0	01/21/2021	ND	416	104	400	3.77	
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	01/20/2021	ND	228	114	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	243	122	200	0.519	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	114 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	107	% 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:
 01/19/2021
 Sampling Date:
 01/19/2021

 Reported:
 01/21/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: me

Project Location: NONE GIVEN

ma/ka

Sample ID: B 19 (H210127-07)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	ea By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	01/21/2021	ND	416	104	400	3.77	
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	01/20/2021	ND	228	114	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	243	122	200	0.519	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	86.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	81.4	% 42.2-15	6						

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Analytical Results For:

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

01/10/2021

mg/kg

 Received:
 01/19/2021
 Sampling Date:
 01/19/2021

 Reported:
 01/21/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: ms

Project Location: NONE GIVEN

Sample ID: B 20 (H210127-08)

BTEX 8021B

	<u> </u>			,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	01/21/2021	ND	416	104	400	3.77	
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	01/20/2021	ND	228	114	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	243	122	200	0.519	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	92.6	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	88.9	% 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: 01/19/2021 Sampling Date: 01/19/2021

Reported: 01/21/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: ms

Project Location: NONE GIVEN

mg/kg

Sample ID: B 21 (H210127-09)

BTEX 8021B

	9/	9	7111411720						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2000	16.0	01/21/2021	ND	416	104	400	3.77	
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	01/20/2021	ND	228	114	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	243	122	200	0.519	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	85.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	86.5	% 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:
 01/19/2021
 Sampling Date:
 01/19/2021

 Reported:
 01/21/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: B 22 (H210127-10)

BTEX 8021B	mg	/kg	Analyze	ed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	01/21/2021	ND	416	104	400	3.77	
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	01/20/2021	ND	228	114	200	2.21	
DRO >C10-C28*	<10.0	10.0	01/20/2021	ND	243	122	200	0.519	
EXT DRO >C28-C36	<10.0	10.0	01/20/2021	ND					
Surrogate: 1-Chlorooctane	88.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	83.3	% 42.2-15	6						

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Analytical Results For:

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

mg/kg

 Received:
 01/19/2021
 Sampling Date:
 01/19/2021

 Reported:
 01/21/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: ms

Project Location: NONE GIVEN

Sample ID: B 23 (H210127-11)

BTEX 8021B

	<u> </u>			•					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	01/21/2021	ND	416	104	400	3.77	
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	01/21/2021	ND	233	117	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	246	123	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	01/21/2021	ND					
Surrogate: 1-Chlorooctane	100	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.7	% 42.2-15	6						

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Celey D. Keene



Analytical Results For:

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

Received: 01/19/2021

Reported: 01/21/2021 Project Name: GERONIMO #28 Project Number: NONE GIVEN

Project Location: NONE GIVEN Sampling Date: 01/19/2021

Sampling Type: Soil

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

Sample ID: B 24 (H210127-12)

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	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	01/21/2021	ND	416	104	400	3.77	
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	01/21/2021	ND	233	117	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	246	123	200	3.07	
EXT DRO >C28-C36	11.0	10.0	01/21/2021	ND					
Surrogate: 1-Chlorooctane	97.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.7	% 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: 01/19/2021 Sampling Date: 01/19/2021

Reported: 01/21/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: me

Project Location: NONE GIVEN

ma/ka

Sample ID: B 25 (H210127-13)

RTFY 8021R

BIEX 8021B	тд/кд		Anaiyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3920	16.0	01/21/2021	ND	416	104	400	3.77	
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	01/21/2021	ND	233	117	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	246	123	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	01/21/2021	ND					
Surrogate: 1-Chlorooctane	91.1	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	84.5	% 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:
 01/19/2021
 Sampling Date:
 01/19/2021

 Reported:
 01/21/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: B 26 (H210127-14)

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	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	01/21/2021	ND	416	104	400	3.77	
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	01/21/2021	ND	233	117	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	246	123	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	01/21/2021	ND					
Surrogate: 1-Chlorooctane	98.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.7	% 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:
 01/19/2021
 Sampling Date:
 01/19/2021

 Reported:
 01/21/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: ms

Project Location: NONE GIVEN

mg/kg

Sample ID: B 27 (H210127-15)

BTEX 8021B

	<u> </u>			,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3400	16.0	01/21/2021	ND	416	104	400	3.77	
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	01/21/2021	ND	233	117	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	246	123	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	01/21/2021	ND					
Surrogate: 1-Chlorooctane	92.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	87.8	% 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: 01/19/2021 Sampling Date: 01/19/2021 Reported: Sampling Type: Soil 01/21/2021

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: B 28 (H210127-16)

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	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6560	16.0	01/21/2021	ND	416	104	400	3.77	
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	01/21/2021	ND	233	117	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	246	123	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	01/21/2021	ND					
Surrogate: 1-Chlorooctane	95.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.9	% 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:
 01/19/2021
 Sampling Date:
 01/19/2021

 Reported:
 01/21/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: me

Project Location: NONE GIVEN

ma/ka

Sample ID: B 29 (H210127-17)

RTFY 8021R

BIEX 8021B	тд/кд		Anaiyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	01/21/2021	ND	416	104	400	3.77	
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	01/21/2021	ND	233	117	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	246	123	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	01/21/2021	ND					
Surrogate: 1-Chlorooctane	92.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	87.1	% 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: 01/19/2021 Sampling Date: 01/19/2021 Reported: Sampling Type: Soil 01/21/2021

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: B 30 (H210127-18)

BTEX 8021B	mg/kg		Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	01/21/2021	ND	400	100	400	3.92	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	01/21/2021	ND	233	117	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	246	123	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	01/21/2021	ND					
Surrogate: 1-Chlorooctane	92.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	87.1	% 42.2-15	6						

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Celey D. Keine



Analytical Results For:

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

Fax To: (575) 393-2432

 Received:
 01/19/2021
 Sampling Date:
 01/19/2021

 Reported:
 01/21/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: me

Project Location: NONE GIVEN

ma/ka

Sample ID: B 31 (H210127-19)

RTFY 8021R

B1EX 8021B	тд/кд		Anaiyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3480	16.0	01/21/2021	ND	400	100	400	3.92	
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	01/21/2021	ND	233	117	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	246	123	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	01/21/2021	ND					
Surrogate: 1-Chlorooctane	100	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	94.4	% 42.2-15	6						

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Celey D. Keine



Analytical Results For:

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

Received: 01/19/2021 Sampling Date: 01/19/2021

Reported: 01/21/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: me

Project Location: NONE GIVEN

ma/ka

Sample ID: B 32 (H210127-20)

RTFY 8021R

B1EX 8021B	тд/кд		Anaiyze	Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6720	16.0	01/21/2021	ND	400	100	400	3.92	
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	01/21/2021	ND	233	117	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	246	123	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	01/21/2021	ND					
Surrogate: 1-Chlorooctane	96.3	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	91.9	% 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: 01/19/2021 Sampling Date: 01/19/2021

Reported: 01/21/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: ms

Project Location: NONE GIVEN

mg/kg

Sample ID: B 33 (H210127-21)

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	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6880	16.0	01/21/2021	ND	400	100	400	3.92	
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	01/21/2021	ND	233	117	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	246	123	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	01/21/2021	ND					
Surrogate: 1-Chlorooctane	99.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	96.0	% 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

(0.3) 0.00 = .

mg/kg

 Received:
 01/19/2021
 Sampling Date:
 01/19/2021

 Reported:
 01/21/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: ms

Project Location: NONE GIVEN

Sample ID: B 34 (H210127-22)

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	01/20/2021	ND	2.09	105	2.00	2.24	
Toluene*	<0.050	0.050	01/20/2021	ND	2.11	106	2.00	3.03	
Ethylbenzene*	<0.050	0.050	01/20/2021	ND	2.08	104	2.00	3.49	
Total Xylenes*	<0.150	0.150	01/20/2021	ND	6.38	106	6.00	3.09	
Total BTEX	<0.300	0.300	01/20/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10400	16.0	01/21/2021	ND	400	100	400	3.92	
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	01/21/2021	ND	233	117	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	246	123	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	01/21/2021	ND					
Surrogate: 1-Chlorooctane	98.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	96.9	% 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: 01/19/2021

NONE GIVEN

ma/ka

Reported: 01/21/2021 Project Name: GERONIMO #28

Project Location: NONE GIVEN

Sampling Date: 01/19/2021

Sampling Type: Soil

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

Sample ID: B 35 (H210127-23)

Project Number:

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	01/21/2021	ND	2.23	111	2.00	3.15	
Toluene*	<0.050	0.050	01/21/2021	ND	2.20	110	2.00	2.54	
Ethylbenzene*	<0.050	0.050	01/21/2021	ND	2.15	107	2.00	2.40	
Total Xylenes*	<0.150	0.150	01/21/2021	ND	6.26	104	6.00	2.35	
Total BTEX	<0.300	0.300	01/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12							
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6660	16.0	01/21/2021	ND	400	100	400	3.92	
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	01/21/2021	ND	233	117	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	246	123	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	01/21/2021	ND					
Surrogate: 1-Chlorooctane	99.1	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	96.1	% 42.2-15	6						

Analyzed By: MC

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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:
 01/19/2021
 Sampling Date:
 01/19/2021

 Reported:
 01/21/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: B 36 (H210127-24)

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	01/21/2021	ND	2.23	111	2.00	3.15	
Toluene*	<0.050	0.050	01/21/2021	ND	2.20	110	2.00	2.54	
Ethylbenzene*	<0.050	0.050	01/21/2021	ND	2.15	107	2.00	2.40	
Total Xylenes*	<0.150	0.150	01/21/2021	ND	6.26	104	6.00	2.35	
Total BTEX	<0.300	0.300	01/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9	shared Bur AC					
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5060	16.0	01/21/2021	ND	400	100	400	3.92	
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	01/21/2021	ND	233	117	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	246	123	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	01/21/2021	ND					
Surrogate: 1-Chlorooctane	92.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.0	% 42.2-15	6						

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Analytical Results For:

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

Received: 01/19/2021 Sampling Date: 01/19/2021

Reported: 01/21/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: NONE GIVEN

ma/ka

Sample ID: B 37 (H210127-25)

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	01/21/2021	ND	2.23	111	2.00	3.15	
Toluene*	<0.050	0.050	01/21/2021	ND	2.20	110	2.00	2.54	
Ethylbenzene*	<0.050	0.050	01/21/2021	ND	2.15	107	2.00	2.40	
Total Xylenes*	<0.150	0.150	01/21/2021	ND	6.26	104	6.00	2.35	
Total BTEX	<0.300	0.300	01/21/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9	9 Analyzed By: AC					
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	01/21/2021	ND	400	100	400	3.92	
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	01/21/2021	ND	233	117	200	1.52	
DRO >C10-C28*	<10.0	10.0	01/21/2021	ND	246	123	200	3.07	
EXT DRO >C28-C36	<10.0	10.0	01/21/2021	ND					
Surrogate: 1-Chlorooctane	111	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	109	% 42.2-15	6						

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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

Company Name: IO	()			
Houch		BILL TO		ANALYSIS REQUEST
Project Manager: 3	Bulex	P.O. #:		
Address:		Company:		
City: Hobos	State: WW Zip: 88240	Attn:		
Phone #:	Fax #:	Address:		
Project #:	Project Owner:	City:		
Project Name:		State: Zip:		
Project Location:	86	#		
	0	Fay #.		
FOR LAB USE ONLY	MATRIX	SERV.	SAMPLING	
	TER			
Lab I.D. Sample I.D.	AB OR (C NTAINER JNDWAT EWATE	BASE:	+ H	
Haioian	# CON	OTHER ACID/B ICE CO OTHER DATE	C/ EV	
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7 3 3 8			S. S	
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9 801			7:34	
PLEASE NOTE: Liability and Darmages. Cardinal's liability and	PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusion accorded for any client		208 ///	
analyses. All claims including those for negligence and any other service. In no event shall Cardinal be liable for incidental or conse affiliates or successors arising out of or related to the performance	analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal to the amount pad by the client for the service. In no event shall cardinal be liable for incidental or consequental darmages, including without limitation, business interruptions, loss of use, or loss of profits incrured by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	or tort, shall be limited to the amount paid received by Cardinal within 30 days after iss of use, or loss of profits incurred by clicks of use, or loss of profits above stated received based upon any of the above stated received.	by the client for the completion of the applicable and, its subsidiaries, one or otherwise.	
No malignish and participation of the participation	Date: / C Received By:	1111	Verbal Result: ☐ Yes ☐ No	Add'l Phone #:
Jack (Jul Sep)	S. Chi	Chillety	All Results are emailed. Please provide Email address:	ovide Email address:
August Di.	Time:		REMARKS:	
Delivered By: (Circle One)	Observed Temp. °C (Sample Condition	CHECKED BY:		1
Sampler - UPS - Bus - Other:		(Initials)	Thermometer ID #113	
FORIVI-000 N.S. 1 00/04/20	L NO L NO		Correction Factor None	☐ Nc ☐ No Corrected Temp. °C

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Project Manual Provides	BIL	L 70	ANALYSIS REGUEST	FOLIECT
lanager	P.O. #:			
Address:	Company:		9	
Howns	State: No Zip: 27240 Attn:			
Phone #: Fax #:				
Project #: Project Owner:				
Project Name:		Zip:		
Project Location: Descensione 28	#	•		
2	٥٢ Fax #:			
FOR LAB USE ONLY	MATRIX PRESERV	SAMPLING		
	S ER			
Lab I.D. Sample I.D.	DGE ER : //BASE: COOL	L TPH	EX	
H20127	# CO GRO WAS SOII OIL SLU OTH	DATE TIME C/	Bi	
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		2:45 -	2	
SC 20 20 20 20 20 20 20 20 20 20 20 20 20		Di vi		
+		0. E		
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7 83%		2:50		
NO. 1000		7.52		
19 030		2:54		
		2:56		
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liates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise	curred by client, its subsidiaries, e stated reasons or otherwise.		
0	Meceived by:	Verbal Result: ☐ Yes All Results are emailed. F	Verbal Result: ☐ Yes ☐ No ☐ Add'I Phone #: All Results are emailed. Please provide Email address:	
Blinguished By: Date:	Received By:			
Time:		REMARKS		
Circle One)	C 4./ Sample Condition CHECKED BY:	Turnaround Time:	Standard Bacteria (only	Bacteria (only) Sample Condition
00 R 3. 1 00/04/20	No No	Thermometer ID #113 Correction Factor None		Corrected Temp. °C

Page 29 of 30

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

CARDINAI Laboratorie 101 East Marland, Hobbs, NM 882

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

Company Name:				
Project Manager: Rock Control of the Project Man	P.O. #		ANALYSIS REQUEST	
-	Company			
City: Holdes State: New Zip: 88040	Affn:			
	Address:			
Project #: Project Owner:	City:			
Project Name:	State: 7in-			
Project Location: Benganing 28	#			
hard history che.				
	PRESERV. SAM	SAMPLING		
C)OMIRS		5H		
TAINE NDWA EWATE	ASE:	t tr		
	CID/B CID/B CTHER	C/ SX+		
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1534		100 /		
74 001		3:04///		
		3:06//		
Description		31.08		
nalyses. All claims including those for negligence and any other cause whatsoever shall be demend waived unless made in contract or but, shall be limited to the amount paid by the client for the process. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of use, or loss of profits incurred by client, its subsidiaries, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, including without limitation, business interruptions, loss of use, or loss of the amount paid by the client for the	tort, shall be limited to the amount paid eceived by Cardinal within 30 days after s of use, or loss of profits incurred by clibased upon any of the observed upon any observed up	by the client for the completion of the applicable ent, its subsidiaries,		
Date: 10/2 Received By:	11 111	Verbal Result: ☐ Yes ☐ No	Add'l Phone #:	
telinquished By:	Malak M	are emailed. Flease provide Email address:	ovide Email address:	
Time:		REMARKS:		
Delivered By: (Circle One) Observed Temp. °C Sample Condition Cool Intact	CHECKED BY:	Turnaround Time: Standard	Bacteria (only) S	yn .
	7.0	Thermometer ID #113 Correction Factor None	☐ Yes ☐ Yes ☐ No ☐ Corrected Temp. °C	p i
T Cardinal Cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	es. Please email chang	yes to celey.keene@cardinallat		ų.

Page 30 of 30



January 28, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: GERONIMO #28

Enclosed are the results of analyses for samples received by the laboratory on 01/21/21 8:45.

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
B 38	H210143-01	Soil	20-Jan-21 09:20	21-Jan-21 08:45
B 39	H210143-02	Soil	20-Jan-21 09:22	21-Jan-21 08:45
B 40	H210143-03	Soil	20-Jan-21 09:24	21-Jan-21 08:45
B 41	H210143-04	Soil	20-Jan-21 09:26	21-Jan-21 08:45
B 42	H210143-05	Soil	20-Jan-21 09:28	21-Jan-21 08:45
B 43	H210143-06	Soil	20-Jan-21 09:30	21-Jan-21 08:45
B 44	H210143-07	Soil	20-Jan-21 09:32	21-Jan-21 08:45
B 45	H210143-08	Soil	20-Jan-21 09:34	21-Jan-21 08:45
B 46	H210143-09	Soil	20-Jan-21 11:20	21-Jan-21 08:45
B 47	H210143-10	Soil	20-Jan-21 11:22	21-Jan-21 08:45
B 48	H210143-11	Soil	20-Jan-21 11:24	21-Jan-21 08:45
B 49	H210143-12	Soil	20-Jan-21 11:26	21-Jan-21 08:45
B 50	H210143-13	Soil	20-Jan-21 11:28	21-Jan-21 08:45
B 51	H210143-14	Soil	20-Jan-21 11:30	21-Jan-21 08:45
B 52	H210143-15	Soil	20-Jan-21 11:32	21-Jan-21 08:45
B 53	H210143-16	Soil	20-Jan-21 11:34	21-Jan-21 08:45
B 54	H210143-17	Soil	20-Jan-21 11:36	21-Jan-21 08:45
B 55	H210143-18	Soil	20-Jan-21 11:38	21-Jan-21 08:45
B 56	H210143-19	Soil	20-Jan-21 11:40	21-Jan-21 08:45
B 57	H210143-20	Soil	20-Jan-21 11:42	21-Jan-21 08:45
B 58	H210143-21	Soil	20-Jan-21 11:44	21-Jan-21 08:45
B 59	H210143-22	Soil	20-Jan-21 11:46	21-Jan-21 08:45
B 60	H210143-23	Soil	20-Jan-21 11:48	21-Jan-21 08:45
B 61	H210143-24	Soil	20-Jan-21 11:50	21-Jan-21 08:45
B 62	H210143-25	Soil	20-Jan-21 14:22	21-Jan-21 08:45
B 63	H210143-26	Soil	20-Jan-21 14:24	21-Jan-21 08:45
B 64	H210143-27	Soil	20-Jan-21 14:26	21-Jan-21 08:45

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240		Project Number: Project Manager:		Reported: 28-Jan-21 11:52
B 83	H210143-28	Soil	20-Jan-21 14:28	21-Jan-21 08:45
B 84	H210143-29	Soil	20-Jan-21 14:30	21-Jan-21 08:45
B 85	H210143-30	Soil	20-Jan-21 14:32	21-Jan-21 08:45
B 86	H210143-31	Soil	20-Jan-21 14:34	21-Jan-21 08:45

01/28/21 - Sampler revised the sample IDs of -28 to -31. This is the revised report and will replace the one sent 01/25/21.

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Celey D. Keine



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 38 H210143-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	720		16.0	mg/kg	4	1012102	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			97.9 %	73.3	-129	1012104	MS	21-Jan-21	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			83.5 %	44.3	-144	1012105	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			89.8 %	42.2	-156	1012105	MS	21-Jan-21	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 39 H210143-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	1170		16.0	mg/kg	4	1012102	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		98.4 %	73.3	-129	1012104	MS	21-Jan-21	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0	·	10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	·
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			83.7 %	44.3	-144	1012105	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			87.9 %	42.2	-156	1012105	MS	21-Jan-21	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 40 H210143-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	240		16.0	mg/kg	4	1012102	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		101 %	73.3	-129	1012104	MS	21-Jan-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			79.4 %	44.3	-144	1012105	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			83.1 %	42.2	-156	1012105	MS	21-Jan-21	8015B	

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Celey D. Keene

Reported:

28-Jan-21 11:52



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

Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Manager: BRUCE BAKER Fax To: (575) 393-2432

B 41 H210143-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	256		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		100 %	73.3	-129	1012104	MS	21-Jan-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			82.8 %	44.3	-144	1012105	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			86.7 %	42.2	-156	1012105	MS	21-Jan-21	8015B	

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Celey D. Keine



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 42 H210143-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	1300		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds by 1	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			99.8 %	73.3	-129	1012104	MS	21-Jan-21	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			86.5 %	44.3	-144	1012105	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			91.6 %	42.2	-156	1012105	MS	21-Jan-21	8015B	

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Celeg D. Keene



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 43 H210143-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	896		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		99.6 %	73.3	-129	1012104	MS	21-Jan-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			81.5 %	44.3	-144	1012105	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			86.5 %	42.2	-156	1012105	MS	21-Jan-21	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 44 H210143-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes				
			Cardina	l Laborat	ories									
Inorganic Compounds	· · · · ·													
Chloride	2280		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B					
Volatile Organic Compounds by	EPA Method	8021												
Benzene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B					
Toluene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B					
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B					
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012104	MS	21-Jan-21	8021B					
Total BTEX	< 0.300		0.300	mg/kg	50	1012104	MS	21-Jan-21	8021B					
Surrogate: 4-Bromofluorobenzene (PID)			100 %	73.3-	-129	1012104	MS	21-Jan-21	8021B					
Petroleum Hydrocarbons by GC	FID													
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B					
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B					
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B					
Surrogate: 1-Chlorooctane			89.8 %	44.3	-144	1012105	MS	21-Jan-21	8015B					
Surrogate: 1-Chlorooctadecane			93.2 %	42.2	-156	1012105	MS	21-Jan-21	8015B					

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 45 H210143-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	4560		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012104	MS	21-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	1		101 %	73.3	-129	1012104	MS	21-Jan-21	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012105	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			86.9 %	44.3	-144	1012105	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			91.3 %	42.2	-156	1012105	MS	21-Jan-21	8015B	

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 46 H210143-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes			
			Cardina	l Laborat	ories								
Inorganic Compounds													
Chloride	5120		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B				
Volatile Organic Compounds	s by EPA Method	8021											
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B				
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B				
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B				
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	21-Jan-21	8021B				
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	21-Jan-21	8021B				
Surrogate: 4-Bromofluorobenzene (Pl	D)		100 %	73.3	-129	1012111	MS	21-Jan-21	8021B				
Petroleum Hydrocarbons by	GC FID												
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B				
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B				
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B				
Surrogate: 1-Chlorooctane			88.6 %	44.3	-144	1012108	MS	21-Jan-21	8015B				
Surrogate: 1-Chlorooctadecane			96.1 %	42.2	-156	1012108	MS	21-Jan-21	8015B				

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Celey D. Keine



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 47

B 4 7	
H210143-10	(Soil)

Reporting

Analyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	3680		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (Pi	TD)		99.4 %	73.3	-129	1012111	MS	21-Jan-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			92.6 %	44.3	-144	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			97.4 %	42.2	-156	1012108	MS	21-Jan-21	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 48 H210143-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	2000		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds h	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)	1		101 %	73.3	-129	1012111	MS	21-Jan-21	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			81.4 %	44.3	-144	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			82.9 %	42.2	-156	1012108	MS	21-Jan-21	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 49 H210143-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	6260		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		99.2 %	73.3	-129	1012111	MS	21-Jan-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			93.9 %	44.3	-144	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			98.8 %	42.2	-156	1012108	MS	21-Jan-21	8015B	

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Celey D. Keene



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 50 H210143-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes				
			Cardina	l Laborat	ories									
Inorganic Compounds	· · · · · ·													
Chloride	9860		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B					
Volatile Organic Compounds by	EPA Method	8021												
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B					
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B					
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B					
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	21-Jan-21	8021B					
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	21-Jan-21	8021B					
Surrogate: 4-Bromofluorobenzene (PID)			100 %	73.3	-129	1012111	MS	21-Jan-21	8021B					
Petroleum Hydrocarbons by GC	FID													
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B					
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B					
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B					
Surrogate: 1-Chlorooctane			93.2 %	44.3	-144	1012108	MS	21-Jan-21	8015B					
Surrogate: 1-Chlorooctadecane			98.6 %	42.2	-156	1012108	MS	21-Jan-21	8015B					

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 51 H210143-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	7060		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			99.4 %	73.3	-129	1012111	MS	21-Jan-21	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			95.3 %	44.3	-144	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			99.5 %	42.2	-156	1012108	MS	21-Jan-21	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 52 H210143-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	tories					
Inorganic Compounds										
Chloride	8400		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050	·	0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	21-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PIL))		99.3 %	73.3	-129	1012111	MS	21-Jan-21	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			88.2 %	44.3	-144	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			98.1 %	42.2	-156	1012108	MS	21-Jan-21	8015B	

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Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 53 H210143-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	4400		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		101 %	73.3	-129	1012111	MS	22-Jan-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			89.5 %	44.3	-144	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			95.0 %	42.2	-156	1012108	MS	21-Jan-21	8015B	

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Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 54 H210143-17 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	12800		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		99.1 %	73.3	-129	1012111	MS	22-Jan-21	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			86.7 %	44.3	-144	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			101 %	42.2	-156	1012108	MS	21-Jan-21	8015B	

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Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 55 H210143-18 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	5730		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		101 %	73.3	-129	1012111	MS	22-Jan-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			84.2 %	44.3	-144	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			92.3 %	42.2	-156	1012108	MS	21-Jan-21	8015B	

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Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 56 H210143-19 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	7460		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		100 %	73.3	-129	1012111	MS	22-Jan-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			87.2 %	44.3	-144	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			93.6 %	42.2	-156	1012108	MS	21-Jan-21	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 57 H210143-20 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	9730		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (Pi	TD)		101 %	73.3	-129	1012111	MS	22-Jan-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			92.2 %	44.3	-144	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			100 %	42.2	-156	1012108	MS	21-Jan-21	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 58 H210143-21 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	7730		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (P.	ID)		100 %	73.3	-129	1012111	MS	22-Jan-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			86.4 %	44.3	-144	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			95.2 %	42.2	-156	1012108	MS	21-Jan-21	8015B	

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Celey D. Keene



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 59 H210143-22 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	tories					
Inorganic Compounds										
Chloride	5460		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PI	TD)		99.4 %	73.3	-129	1012111	MS	22-Jan-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			91.2 %	44.3	-144	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			98.2 %	42.2	-156	1012108	MS	21-Jan-21	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 60 H210143-23 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	5060		16.0	mg/kg	4	1012203	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		100 %	73.3	-129	1012111	MS	22-Jan-21	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			88.6 %	44.3	-144	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			95.4 %	42.2	-156	1012108	MS	21-Jan-21	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 61 H210143-24 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	4400		16.0	mg/kg	4	1012110	AC	22-Jan-21	4500-Cl-B	QM-07
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		99.8 %	73.3	-129	1012111	MS	22-Jan-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctane			83.0 %	44.3	-144	1012108	MS	21-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			93.6 %	42.2	-156	1012108	MS	21-Jan-21	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 62 H210143-25 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	7520		16.0	mg/kg	4	1012110	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (Pl	D)		102 %	73.3	-129	1012111	MS	22-Jan-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	22-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	22-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	22-Jan-21	8015B	
Surrogate: 1-Chlorooctane			91.0 %	44.3	-144	1012108	MS	22-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			98.9 %	42.2	-156	1012108	MS	22-Jan-21	8015B	

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Celeg D. Keene



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 63 H210143-26 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	al Laborat	tories					
Inorganic Compounds										
Chloride	7330		16.0	mg/kg	4	1012110	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compound	s by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		99.6 %	73.3	-129	1012111	MS	22-Jan-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	22-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	22-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	22-Jan-21	8015B	
Surrogate: 1-Chlorooctane			90.7 %	44.3	-144	1012108	MS	22-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			99.9 %	42.2	-156	1012108	MS	22-Jan-21	8015B	

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 64 H210143-27 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	8660		16.0	mg/kg	4	1012110	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		99.6 %	73.3	-129	1012111	MS	22-Jan-21	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	22-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	22-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	22-Jan-21	8015B	
Surrogate: 1-Chlorooctane			87.1 %	44.3	-144	1012108	MS	22-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			95.1 %	42.2	-156	1012108	MS	22-Jan-21	8015B	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 83 H210143-28 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	6400		16.0	mg/kg	4	1012110	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012111	MS	22-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID))		101 %	73.3	-129	1012111	MS	22-Jan-21	8021B	
Petroleum Hydrocarbons by C	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012108	MS	22-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012108	MS	22-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012108	MS	22-Jan-21	8015B	
Surrogate: 1-Chlorooctane			80.5 %	44.3	-144	1012108	MS	22-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			86.8 %	42.2	-156	1012108	MS	22-Jan-21	8015B	

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 84 H210143-29 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	8400		16.0	mg/kg	4	1012110	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012206	MS	22-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012206	MS	22-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012206	MS	22-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012206	MS	22-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012206	MS	22-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		101 %	73.3	-129	1012206	MS	22-Jan-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012202	MS	22-Jan-21	8015B	
DRO >C10-C28*	124		10.0	mg/kg	1	1012202	MS	22-Jan-21	8015B	
EXT DRO >C28-C36	59.2		10.0	mg/kg	1	1012202	MS	22-Jan-21	8015B	
Surrogate: 1-Chlorooctane			87.4 %	44.3	-144	1012202	MS	22-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			96.3 %	42.2	-156	1012202	MS	22-Jan-21	8015B	

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 85 H210143-30 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	4080		16.0	mg/kg	4	1012110	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012206	MS	22-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012206	MS	22-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012206	MS	22-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012206	MS	22-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012206	MS	22-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PI.	D)		99.1 %	73.3	-129	1012206	MS	22-Jan-21	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012202	MS	22-Jan-21	8015B	
DRO >C10-C28*	20.1		10.0	mg/kg	1	1012202	MS	22-Jan-21	8015B	
EXT DRO >C28-C36	10.3		10.0	mg/kg	1	1012202	MS	22-Jan-21	8015B	
Surrogate: 1-Chlorooctane			78.7 %	44.3	-144	1012202	MS	22-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			83.6 %	42.2	-156	1012202	MS	22-Jan-21	8015B	

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Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

B 86 H210143-31 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	6640		16.0	mg/kg	4	1012110	AC	22-Jan-21	4500-Cl-B	
Volatile Organic Compounds b	y EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	1012206	MS	22-Jan-21	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	1012206	MS	22-Jan-21	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	1012206	MS	22-Jan-21	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	1012206	MS	22-Jan-21	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	1012206	MS	22-Jan-21	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			102 %	73.3	-129	1012206	MS	22-Jan-21	8021B	
Petroleum Hydrocarbons by G	C FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	1012202	MS	22-Jan-21	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	1012202	MS	22-Jan-21	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	1012202	MS	22-Jan-21	8015B	
Surrogate: 1-Chlorooctane			83.1 %	44.3	-144	1012202	MS	22-Jan-21	8015B	
Surrogate: 1-Chlorooctadecane			86.3 %	42.2	-156	1012202	MS	22-Jan-21	8015B	

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1012102 - 1:4 DI Water										
Blank (1012102-BLK1)				Prepared &	Analyzed:	21-Jan-21				
Chloride	ND	16.0	mg/kg							
LCS (1012102-BS1)				Prepared &	: Analyzed:	21-Jan-21				
Chloride	384	16.0	mg/kg	400		96.0	80-120			
LCS Dup (1012102-BSD1)				Prepared &	: Analyzed:	21-Jan-21				
Chloride	400	16.0	mg/kg	400		100	80-120	4.08	20	
Batch 1012110 - 1:4 DI Water										
Blank (1012110-BLK1)				Prepared &	Analyzed:	21-Jan-21				
Chloride	ND	16.0	mg/kg							
LCS (1012110-BS1)				Prepared &	Analyzed:	21-Jan-21				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (1012110-BSD1)				Prepared &	Analyzed:	21-Jan-21				
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	
Batch 1012203 - 1:4 DI Water										
Blank (1012203-BLK1)				Prepared &	: Analyzed:	22-Jan-21				
Chloride	ND	16.0	mg/kg							
LCS (1012203-BS1)				Prepared &	Analyzed:	22-Jan-21				
Chloride	400	16.0	mg/kg	400	<u> </u>	100	80-120			

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Celey D. Keene



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Reported: 28-Jan-21 11:52

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Inorganic Compounds - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes

Batch 1012203 - 1:4 DI Water

LCS Dup (1012203-BSD1)				Prepared & Analyzed: 2	22-Jan-21			
Chloride	416	16.0	mg/kg	400	104	80-120	3.92	20

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%REC

Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER
Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

RPD

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Spike

Source

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1012104 - Volatiles										
Blank (1012104-BLK1)				Prepared &	: Analyzed:	21-Jan-21				
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500		99.8	73.3-129			
LCS (1012104-BS1)				Prepared &	: Analyzed:	21-Jan-21				
Benzene	2.07	0.050	mg/kg	2.00		103	72.2-131			
Toluene	2.04	0.050	mg/kg	2.00		102	71.7-126			
Ethylbenzene	2.00	0.050	mg/kg	2.00		99.8	68.9-126			
Total Xylenes	5.88	0.150	mg/kg	6.00		97.9	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0489		mg/kg	0.0500		97.8	73.3-129			
LCS Dup (1012104-BSD1)				Prepared &	: Analyzed:	21-Jan-21				
Benzene	2.05	0.050	mg/kg	2.00		102	72.2-131	1.11	14.6	
Toluene	2.01	0.050	mg/kg	2.00		100	71.7-126	1.68	17.4	
Ethylbenzene	1.97	0.050	mg/kg	2.00		98.3	68.9-126	1.57	18.9	
Total Xylenes	5.77	0.150	mg/kg	6.00		96.2	71.4-125	1.80	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0486		mg/kg	0.0500		97.1	73.3-129			
Batch 1012111 - Volatiles										
Blank (1012111-BLK1)				Prepared &	: Analyzed:	21-Jan-21				

Blank (1012111-BLK1)				Prepared & Analyzed: 2	1-Jan-21	
Benzene	ND	0.050	mg/kg			
Toluene	ND	0.050	mg/kg			
Ethylbenzene	ND	0.050	mg/kg			
Total Xylenes	ND	0.150	mg/kg			
Total BTEX	ND	0.300	mg/kg			
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg	0.0500	99.6	73.3-129

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



%REC

Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Spike

Source

Reported: 28-Jan-21 11:52

RPD

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

		Reporting		Spike	Source		%REC		KPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1012111 - Volatiles										
LCS (1012111-BS1)				Prepared &	Analyzed:	21-Jan-21				
Benzene	2.07	0.050	mg/kg	2.00		104	72.2-131			
Toluene	2.03	0.050	mg/kg	2.00		102	71.7-126			
Ethylbenzene	2.00	0.050	mg/kg	2.00		100	68.9-126			
Total Xylenes	5.88	0.150	mg/kg	6.00		98.1	71.4-125			
Surrogate: 4-Bromofluorobenzene (PID)	0.0493		mg/kg	0.0500		98.6	73.3-129			
LCS Dup (1012111-BSD1)				Prepared &	Analyzed:	21-Jan-21				
Benzene	2.13	0.050	mg/kg	2.00		106	72.2-131	2.50	14.6	
Toluene	2.08	0.050	mg/kg	2.00		104	71.7-126	2.40	17.4	
Ethylbenzene	2.04	0.050	mg/kg	2.00		102	68.9-126	1.98	18.9	
Total Xylenes	6.00	0.150	mg/kg	6.00		100	71.4-125	1.91	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0494		mg/kg	0.0500		98.8	73.3-129			
Batch 1012206 - Volatiles										
Blank (1012206-BLK1)				Prepared &	Analyzed:	22-Jan-21				
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
			00							
Total BTEX	ND	0.300	mg/kg							
Total BTEX Surrogate: 4-Bromofluorobenzene (PID)				0.0500		99.7	73.3-129			
	ND		mg/kg	0.0500 Prepared &	Analyzed:		73.3-129			
Surrogate: 4-Bromofluorobenzene (PID)	ND		mg/kg		Analyzed:		73.3-129 72.2-131			
Surrogate: 4-Bromofluorobenzene (PID) LCS (1012206-BS1)	ND ND	0.300	mg/kg	Prepared &	Analyzed:	22-Jan-21				
Surrogate: 4-Bromofluorobenzene (PID) LCS (1012206-BS1) Benzene	ND ND 2.15	0.300	mg/kg mg/kg	Prepared &	Analyzed:	22-Jan-21 108	72.2-131			
Surrogate: 4-Bromofluorobenzene (PID) LCS (1012206-BS1) Benzene Toluene	ND ND 2.15 2.09	0.300 0.050 0.050	mg/kg mg/kg mg/kg mg/kg	2.00 2.00	Analyzed:	22-Jan-21 108 104	72.2-131 71.7-126			

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Celey D. Keine



%REC

Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Spike

Source

Reported: 28-Jan-21 11:52

RPD

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1012206 - Volatiles										
LCS Dup (1012206-BSD1)				Prepared &	Analyzed:	22-Jan-21				
Benzene	2.17	0.050	mg/kg	2.00		109	72.2-131	1.01	14.6	
Toluene	2.10	0.050	mg/kg	2.00		105	71.7-126	0.521	17.4	
Ethylbenzene	2.07	0.050	mg/kg	2.00		103	68.9-126	0.112	18.9	
Total Xylenes	6.04	0.150	mg/kg	6.00		101	71.4-125	0.160	18.5	
Surrogate: 4-Bromofluorobenzene (PID)	0.0493		mg/kg	0.0500		98.5	73.3-129			

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Celey D. Keine



%REC

Limits

RPD

Analytical Results For:

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

Analyte

Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Spike

Level

Source

Result

%REC

Reported: 28-Jan-21 11:52

RPD

Limit

Notes

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Units

Reporting

Limit

Result

Blank (1012105-BLK1)				Prepared & Anal	yzed: 21-Jan-21				
GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	35.6		mg/kg	50.0	71.2	44.3-144			
Surrogate: 1-Chlorooctadecane	37.5		mg/kg	50.0	75.0	42.2-156			
LCS (1012105-BS1)				Prepared & Anal	yzed: 21-Jan-21				
GRO C6-C10	215	10.0	mg/kg	200	108	83.7-135			
DRO >C10-C28	217	10.0	mg/kg	200	108	80.4-133			
Total TPH C6-C28	432	10.0	mg/kg	400	108	83.1-133			
Surrogate: 1-Chlorooctane	45.8		mg/kg	50.0	91.6	44.3-144			
Surrogate: 1-Chlorooctadecane	49.3		mg/kg	50.0	98.7	42.2-156			
LCS Dup (1012105-BSD1)				Prepared & Anal	yzed: 21-Jan-21				
GRO C6-C10	221	10.0	mg/kg	200	111	83.7-135	2.79	13.8	
DRO >C10-C28	216	10.0	mg/kg	200	108	80.4-133	0.463	22.1	
Total TPH C6-C28	437	10.0	mg/kg	400	109	83.1-133	1.17	17.7	
Surrogate: 1-Chlorooctane	46.7		mg/kg	50.0	93.5	44.3-144			
Surrogate: 1-Chlorooctadecane	49.7		mg/kg	50.0	99.4	42.2-156			

Batch 1012108 - General Prep - Organics

Blank (1012108-BLK1)				Prepared & Analyz	ed: 21-Jan-21	
GRO C6-C10	ND	10.0	mg/kg			
DRO >C10-C28	ND	10.0	mg/kg			
EXT DRO >C28-C36	ND	10.0	mg/kg			
Surrogate: 1-Chlorooctane	45.6		mg/kg	50.0	91.1	44.3-144
Surrogate: 1-Chlorooctadecane	47.0		mg/kg	50.0	94.0	42.2-156

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Celey D. Keene



Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Fax To: (575) 393-2432

Reported: 28-Jan-21 11:52

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1012108 - General Prep - Organics										
LCS (1012108-BS1)				Prepared &	ե Analyzed:	21-Jan-21				
GRO C6-C10	211	10.0	mg/kg	200		105	83.7-135			
DRO >C10-C28	234	10.0	mg/kg	200		117	80.4-133			
Total TPH C6-C28	445	10.0	mg/kg	400		111	83.1-133			
Surrogate: 1-Chlorooctane	49.4		mg/kg	50.0		98.8	44.3-144			
Surrogate: 1-Chlorooctadecane	49.3		mg/kg	50.0		98.5	42.2-156			
LCS Dup (1012108-BSD1)				Prepared &	k Analyzed:	21-Jan-21				
GRO C6-C10	219	10.0	mg/kg	200		109	83.7-135	3.74	13.8	
DRO >C10-C28	241	10.0	mg/kg	200		120	80.4-133	2.78	22.1	
Total TPH C6-C28	459	10.0	mg/kg	400		115	83.1-133	3.23	17.7	
Surrogate: 1-Chlorooctane	49.3		mg/kg	50.0		98.5	44.3-144			
Surrogate: 1-Chlorooctadecane	51.5		mg/kg	50.0		103	42.2-156			
Batch 1012202 - General Prep - Organics										
Blank (1012202-BLK1)				Prepared &	ն Analyzed:	22-Jan-21				
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	40.4		mg/kg	50.0		80.8	44.3-144			
Surrogate: 1-Chlorooctadecane	42.1		mg/kg	50.0		84.2	42.2-156			
LCS (1012202-BS1)				Prepared &	k Analyzed:	22-Jan-21				
GRO C6-C10	188	10.0	mg/kg	200		94.1	83.7-135			
DRO >C10-C28	189	10.0	mg/kg	200		94.6	80.4-133			
Total TPH C6-C28	377	10.0	mg/kg	400		94.3	83.1-133			
Surrogate: 1-Chlorooctane	40.4		mg/kg	50.0		80.7	44.3-144			
Surrogate: 1-Chlorooctadecane	42.6		mg/kg	50.0		85.2	42.2-156			

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



%REC

Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240 Project: GERONIMO #28
Project Number: NONE GIVEN
Project Manager: BRUCE BAKER

Reported: 28-Jan-21 11:52

RPD

Fax To: (575) 393-2432

Spike

Source

Petroleum Hydrocarbons by GC FID - Quality Control

Cardinal Laboratories

Reporting

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 1012202 - General Prep - Organics										
LCS Dup (1012202-BSD1)				Prepared &	& Analyzed:	22-Jan-21				
GRO C6-C10	204	10.0	ma/ka	200		102	83 7-135	8.01	13.8	

LC3 Dup (1012202-B3D1)				r repared & An	aryzeu. 22-jan-21				
GRO C6-C10	204	10.0	mg/kg	200	102	83.7-135	8.01	13.8	
DRO >C10-C28	200	10.0	mg/kg	200	99.8	80.4-133	5.38	22.1	
Total TPH C6-C28	403	10.0	mg/kg	400	101	83.1-133	6.70	17.7	
Surrogate: 1-Chlorooctane	43.1		mg/kg	50.0	86.1	44.3-144			
Surrogate: 1-Chlorooctadecane	43.6		mg/kg	50.0	87.1	42.2-156			

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Celey D. Keene



Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Page 43 of 47



(5/5) 393-2326	FAA (0/0) 303-24/0	и.	
Company Name: Park		BILL TO	ANALTOIS REGOEST
Project Manager: Bruce Bruce	W.	P.O. #:	
		Company:	
City: Holdos	State: NY Zip: 8210	Attn:	
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name:	**	State: Zip:	
on: Berus	ms 28	Phone #:	
or Chi	surely dr.	Fax #:	
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affiliates or successors arising out of or related to the perform. Relinquished By:	ince	no Sulle no	Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address:
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Sampler - UPS - Bus - Other:	= 12	4	Thermometer ID #113
- TOO TOO TOO TOO TOO TOO TOO TOO TOO TO			to all the proposed in all



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Project Location: Servin 100	0 28	P	Phone #:			
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FOR LAB USE ONLY	V	MATRIX	PRESERV. SAMPLING			
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ages. o for r	r and client's exclusive remedy for any ny other cause whatsoever shall be de or consequental damages, including w	Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client to the spligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the spligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the spligence and any other cause what specific it, its subsidiaries, the for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, the contract of the profits of the contract of t	tort, shall be limited to the amount paic eceived by Cardinal within 30 days after ss of use, or loss of profits incurred by c	to yme cilent for me completion of the applicable lient, its subsidiaries,		
affiliates or successors arising out of or related to the perto Relinquished By:	Date:	Received By:		Verbal Result: ☐ Yes All Results are emailed. P	Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address:	
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Delivered By: (Circle One)	Observed Temp. °C		ON CHECKED BY:	Turnaround Time: S	Standard	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C	A Yes A Yes	70	Thermometer ID #113 Correction Factor None	-	
FORWI-000 N 3.1 00/04/20	† Cardinal ca	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	iges. Please email chai	nges to celey.keene@ca	ardinallabsnm.com	

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(575) 393-2326	(575) 393-2326 FAX (575) 393-2476				
Company Name:		O.	BILL TO	ANA	ANALYSIS REGUES!
Project Manager:	Rehad	P.O. #:			
3.000	Jane W	Company:	any:		
city: Hobbs	State: WALZip: 88 JUT	Attn:			
Phone #:	Fax #:	Address:	SS:		
Project #:	Project Owner:	City:			
Project Name:		State:	Zip:		
Project Location:	ine IX	Phone #:	#:		
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FOR LAB USE ONLY	P)	MATRIX	PRESERV. SAMPLING	Y	
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SE NOTE: Liability and Damages. Ca rses. All claims including those for neg	y and client's exclusive remedy for any claim arts ny other cause whatsoever shall be deemed wai or consequental damages, including without limi	usive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the hatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the a farmages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	Il be limited to the amount paid by by Cardinal within 30 days after co or loss of profits incurred by clien	the client for the mplicable this subsidiaries,	
affiliates or successors arising out of or related to the perform Relinquished By:	ormance of services hereunder by Cardinal, egg Pate: P-24-24 Trime: V-24 Trime: Trime:	wess hereunder by Cardinal, regardless of whether such claims based upon any of the above same residence in the such claims based upon any of the above same residence in the such claims based upon any of the above same residence in the such claims based upon any of the above same residence in the such claims based upon any of the above same residence in the such claims based upon any of the above same residence in the such claims based upon any of the above same residence in the such claims based upon any of the above same residence in the such claims based upon any of the above same residence in the such claims based upon any of the above same residence in the such claims based upon any of the above same residence in the such claims based upon any of the above same residence in the such claims based upon any of the above same residence in the such claims based upon any of the	A PA	lt: ☐ Yes ☐ No re emailed. Please prov	Add' Phone #: de Email address:
Relinquished By:		Received By:	7	REMARKS:	
Delivered By: (Circle One)	Observed Temp. °C /.3	Sample Condition Cool Intact	CHECKED BY: Ti	Turnaround Time: Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Ayes Ayes	L	Thermometer ID #113 Correction Factor None	☐ Nc ☐ No Corrected Temp. °C
FURINI-000 K 3. 1 00/04/20			Places amail chang	os to colov koone@cardinallahsnm.com	COM



١	(5/5) 393-2326 FAX (5/5) 393-24/6		ANALYSIS DEDITECT	
		PO#:		
Address. Drwor D	District	Company:		
City: S Holbs	State: NWZip: 88240	Attn:		
e#:		Address:		_
Project #:	Project Owner:	City:		_
Project Name:		State: Zip:		-
on:	300 20	Phone #:		
	2	Fax #:		_
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING		
Lab I.D. Sample I.D.	(G)RAB OR (E)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE/I COOL OTHER:	C/ Ext tPH BTEX	
× 31 804 86		- 20	2:34 / / /	
PLEASE NOTE: Liability and Damages. Cardinal's liability analyses. All claims including those for negligence and an service. In no event shall Cardinal be liable for incidental of	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the application analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applications. All claims including within a contraction of the applications are contracted by client, its subsidiaries, service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of protein client, its subsidiaries, service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of protein and the client of the amount paid by the client for the client of the policy of the client in the client for the cli	t or tort, shall be limited to the amount paid d received by Cardinal within 30 days after loss of use, or loss of profils incurred by cli	by the client for the completion of the applicable ent. It is subsidiaries, ence or otherwise.	
Relinquished By:	ed By: Date 2/ -2/ Received By: Times Section Much of Males	Malle	Verbal Result:	
Relinquished By:	Received			
Delivered By: (Circle One)	. W s	CHECKED BY: (Initials)	ne: Standard N	
Sampler - UPS - Bus - Other:	Corrected Temp. °C Yes Yes	40	Correction Factor None No Corrected Temp. °C	

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

Page 47 of 47



January 22, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: GERONIMO #28

Enclosed are the results of analyses for samples received by the laboratory on 01/22/21 8:45.

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



Analytical Results For:

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

Received: 01/22/2021

Reported: 01/22/2021
Project Name: GERONIMO #28
Project Number: NONE GIVEN
Project Location: NONE GIVEN

Sampling Date: 01/21/2021

Sampling Type: Soil

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

Sample ID: SP 3 20' OUT 1' (H210154-01)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	640	16.0	01/22/2021	ND	416	104	400	0.00	
Sample ID: SP 2 40' OU	T 1' (H210154	l-02)							
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	01/22/2021	ND	416	104	400	0.00	
Sample ID: SP 1 $$ 40' OU	T 1' (H210154	l-03)							
-	T 1' (H210154 mg	-	Analyze	d By: AC					
Sample ID: SP 1 40' OU Chloride, SM4500Cl-B	-	-	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride, SM4500Cl-B	mg	/kg	-	-	BS 400	% Recovery	True Value QC 400	RPD 3.92	Qualifier
Chloride, SM4500CI-B Analyte Chloride	mg Result	Reporting Limit	Analyzed	Method Blank		•	•		Qualifier
Chloride, SM4500CI-B Analyte Chloride	Result 368	Reporting Limit	Analyzed 01/22/2021	Method Blank		•	•		Qualifier
Chloride, SM4500CI-B Analyte Chloride Sample ID: SP 1 20' OU	Result 368	Reporting Limit 16.0	Analyzed 01/22/2021	Method Blank ND		•	•		Qualifier

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



01/21/2021

Analytical Results For:

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

Received: 01/22/2021 Sampling Date:

Reported: 01/22/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: SP 1 20' OUT 2' (H210154-05)

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

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

Chloride 4930 16.0 01/22/2021 ND 400 100 400 3.92

Sample ID: SP 2 20' OUT 1' (H210154-06)

Chloride, SM4500Cl-B Analyzed By: AC BS True Value QC RPD Analyte Result Reporting Limit Analyzed Method Blank Qualifier % Recovery 5600 16.0 01/22/2021 400 400 3.92 Chloride ND 100

Sample ID: SP 2 20' OUT 2' (H210154-07)

Chloride, SM4500Cl-B Analyzed By: AC Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Qualifier Chloride 12600 01/22/2021 ND 400 400 3.92 16.0 100

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Celey & Keene



Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keene



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

P.O. #:	BILL TO
Project #: Fax #: Address: Project Owner: City:	
	Zip:
Project Location: (26-04) w #28 Phone #:	17
R	
MATRIX	SAMPLING
(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER	DATE TIME
Sp2 40 out 1	121 3:22 pul
4 Spl 20'out 1' B1 1	
Sp1 20 out 2'	
pa Dout !	1/21 3:30 1
13P22Oout 2" (21)	% 3,32 /
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	the amount paid by the client for the thin 30 days after completion of the applicable fits incurred by client, its subsidiaries,
Time: Checeived By:	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:
Relinquished By: Date: Received By: Time:	REMARKS:
Delivered By: (Circle One) Observed Temp. °C _ 2.4 Sample Condition CHECKED BY: Cool Intact (Initials) FORM-006 R 3.0 CONTROL CORRECTED BY: COOL INTACT (Initials) No □ No □ No ▼ €.	DBY: Turnaround Time: Standard IIs) Rush Thermometer ID #97- #//3 TD

Page 5 of 5



January 28, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: GERONIMO #28

Enclosed are the results of analyses for samples received by the laboratory on 01/26/21 16:25.

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)

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

 Received:
 01/26/2021
 Sampling Date:
 01/26/2021

 Reported:
 01/28/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: W 15 (H210190-01)

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	01/27/2021	ND	2.02	101	2.00	6.65	
Toluene*	<0.050	0.050	01/27/2021	ND	1.94	97.2	2.00	7.49	
Ethylbenzene*	<0.050	0.050	01/27/2021	ND	1.90	94.8	2.00	8.16	
Total Xylenes*	<0.150	0.150	01/27/2021	ND	5.50	91.7	6.00	8.98	
Total BTEX	<0.300	0.300	01/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 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	272	16.0	01/27/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2021	ND	196	98.0	200	9.43	
DRO >C10-C28*	<10.0	10.0	01/27/2021	ND	212	106	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	01/27/2021	ND					
Surrogate: 1-Chlorooctane	85.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.0	% 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: 01/26/2021 Sampling Date: 01/26/2021

Reported: 01/28/2021 Sampling Type: Soil
Project Name: GERONIMO #28 Sampling Condition: Cool 8

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: W 16 (H210190-02)

BTEX 8021B

DILX GOZID	ıııg,	, 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	01/27/2021	ND	2.02	101	2.00	6.65	
Toluene*	<0.050	0.050	01/27/2021	ND	1.94	97.2	2.00	7.49	
Ethylbenzene*	<0.050	0.050	01/27/2021	ND	1.90	94.8	2.00	8.16	
Total Xylenes*	<0.150	0.150	01/27/2021	ND	5.50	91.7	6.00	8.98	
Total BTEX	<0.300	0.300	01/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 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	208	16.0	01/27/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2021	ND	196	98.0	200	9.43	
DRO >C10-C28*	<10.0	10.0	01/27/2021	ND	212	106	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	01/27/2021	ND					
Surrogate: 1-Chlorooctane	84.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.1	% 42.2-15	6						

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Celey D. Keine



Analytical Results For:

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

Received: 01/26/2021 Sampling Date: 01/26/2021

Reported: 01/28/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: W 17 (H210190-03)

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	01/27/2021	ND	2.02	101	2.00	6.65	
Toluene*	<0.050	0.050	01/27/2021	ND	1.94	97.2	2.00	7.49	
Ethylbenzene*	<0.050	0.050	01/27/2021	ND	1.90	94.8	2.00	8.16	
Total Xylenes*	<0.150	0.150	01/27/2021	ND	5.50	91.7	6.00	8.98	
Total BTEX	<0.300	0.300	01/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 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	2600	16.0	01/27/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2021	ND	196	98.0	200	9.43	
DRO >C10-C28*	<10.0	10.0	01/27/2021	ND	212	106	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	01/27/2021	ND					
Surrogate: 1-Chlorooctane	94.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.0	% 42.2-15	6						

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Celey D. Keine



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 01/26/2021 Sampling Date: 01/26/2021

Reported: 01/28/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: W 18 (H210190-04)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2021	ND	2.02	101	2.00	6.65	
Toluene*	<0.050	0.050	01/27/2021	ND	1.94	97.2	2.00	7.49	
Ethylbenzene*	<0.050	0.050	01/27/2021	ND	1.90	94.8	2.00	8.16	
Total Xylenes*	<0.150	0.150	01/27/2021	ND	5.50	91.7	6.00	8.98	
Total BTEX	<0.300	0.300	01/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 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	2600	16.0	01/27/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2021	ND	196	98.0	200	9.43	
DRO >C10-C28*	<10.0	10.0	01/27/2021	ND	212	106	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	01/27/2021	ND					
Surrogate: 1-Chlorooctane	93.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.6	% 42.2-15	6						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

 Received:
 01/26/2021
 Sampling Date:
 01/26/2021

 Reported:
 01/28/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: NONE GIVEN

ma/ka

Sample ID: B 69 (H210190-05)

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	01/27/2021	ND	2.02	101	2.00	6.65	
Toluene*	<0.050	0.050	01/27/2021	ND	1.94	97.2	2.00	7.49	
Ethylbenzene*	<0.050	0.050	01/27/2021	ND	1.90	94.8	2.00	8.16	
Total Xylenes*	<0.150	0.150	01/27/2021	ND	5.50	91.7	6.00	8.98	
Total BTEX	<0.300	0.300	01/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 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	1790	16.0	01/27/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2021	ND	196	98.0	200	9.43	
DRO >C10-C28*	<10.0	10.0	01/27/2021	ND	212	106	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	01/27/2021	ND					
Surrogate: 1-Chlorooctane	84.6	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	87.1	% 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: 01/26/2021 Sampling Date: 01/26/2021

Reported: 01/28/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: B 70 (H210190-06)

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	01/27/2021	ND	2.02	101	2.00	6.65	
Toluene*	<0.050	0.050	01/27/2021	ND	1.94	97.2	2.00	7.49	
Ethylbenzene*	<0.050	0.050	01/27/2021	ND	1.90	94.8	2.00	8.16	
Total Xylenes*	<0.150	0.150	01/27/2021	ND	5.50	91.7	6.00	8.98	
Total BTEX	<0.300	0.300	01/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 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	144	16.0	01/27/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2021	ND	196	98.0	200	9.43	
DRO >C10-C28*	<10.0	10.0	01/27/2021	ND	212	106	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	01/27/2021	ND					
Surrogate: 1-Chlorooctane	87.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.8	% 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:
 01/26/2021
 Sampling Date:
 01/26/2021

 Reported:
 01/28/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: B 71 (H210190-07)

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	01/27/2021	ND	2.02	101	2.00	6.65	
Toluene*	<0.050	0.050	01/27/2021	ND	1.94	97.2	2.00	7.49	
Ethylbenzene*	<0.050	0.050	01/27/2021	ND	1.90	94.8	2.00	8.16	
Total Xylenes*	<0.150	0.150	01/27/2021	ND	5.50	91.7	6.00	8.98	
Total BTEX	<0.300	0.300	01/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 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	3080	16.0	01/27/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2021	ND	196	98.0	200	9.43	
DRO >C10-C28*	<10.0	10.0	01/27/2021	ND	212	106	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	01/27/2021	ND					
Surrogate: 1-Chlorooctane	89.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	92.5	% 42.2-15	6						

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Celey D. Keine



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 01/26/2021 Sampling Date: 01/26/2021

Reported: 01/28/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: B 72 (H210190-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2021	ND	2.02	101	2.00	6.65	
Toluene*	<0.050	0.050	01/27/2021	ND	1.94	97.2	2.00	7.49	
Ethylbenzene*	<0.050	0.050	01/27/2021	ND	1.90	94.8	2.00	8.16	
Total Xylenes*	<0.150	0.150	01/27/2021	ND	5.50	91.7	6.00	8.98	
Total BTEX	<0.300	0.300	01/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1840	16.0	01/27/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2021	ND	196	98.0	200	9.43	
DRO >C10-C28*	<10.0	10.0	01/27/2021	ND	212	106	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	01/27/2021	ND					
Surrogate: 1-Chlorooctane	89.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.2	% 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: 01/26/2021 Sampling Date: 01/26/2021

Reported: 01/28/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: B 73 (H210190-09)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2021	ND	2.02	101	2.00	6.65	
Toluene*	<0.050	0.050	01/27/2021	ND	1.94	97.2	2.00	7.49	
Ethylbenzene*	<0.050	0.050	01/27/2021	ND	1.90	94.8	2.00	8.16	
Total Xylenes*	<0.150	0.150	01/27/2021	ND	5.50	91.7	6.00	8.98	
Total BTEX	<0.300	0.300	01/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 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	8640	16.0	01/27/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2021	ND	196	98.0	200	9.43	
DRO >C10-C28*	<10.0	10.0	01/27/2021	ND	212	106	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	01/27/2021	ND					
Surrogate: 1-Chlorooctane	90.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	94.6	% 42.2-15	6						

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Celey D. Keine



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 01/26/2021 Sampling Date: 01/26/2021

Reported: 01/28/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: NONE GIVEN

ma/ka

Sample ID: B 74 (H210190-10)

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	01/27/2021	ND	2.02	101	2.00	6.65	
Toluene*	<0.050	0.050	01/27/2021	ND	1.94	97.2	2.00	7.49	
Ethylbenzene*	<0.050	0.050	01/27/2021	ND	1.90	94.8	2.00	8.16	
Total Xylenes*	<0.150	0.150	01/27/2021	ND	5.50	91.7	6.00	8.98	
Total BTEX	<0.300	0.300	01/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	01/27/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2021	ND	196	98.0	200	9.43	
DRO >C10-C28*	<10.0	10.0	01/27/2021	ND	212	106	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	01/27/2021	ND					
Surrogate: 1-Chlorooctane	87.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.1	% 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: 01/26/2021 Sampling Date: 01/26/2021 Reported: 01/28/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: B 75 (H210190-11)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2021	ND	2.02	101	2.00	6.65	
Toluene*	<0.050	0.050	01/27/2021	ND	1.94	97.2	2.00	7.49	
Ethylbenzene*	<0.050	0.050	01/27/2021	ND	1.90	94.8	2.00	8.16	
Total Xylenes*	<0.150	0.150	01/27/2021	ND	5.50	91.7	6.00	8.98	
Total BTEX	<0.300	0.300	01/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	01/27/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2021	ND	196	98.0	200	9.43	
DRO >C10-C28*	<10.0	10.0	01/27/2021	ND	212	106	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	01/27/2021	ND					
Surrogate: 1-Chlorooctane	86.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.9	% 42.2-15	6						

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Celey D. Keine



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 01/26/2021 Sampling Date: 01/26/2021

Reported: 01/28/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: NONE GIVEN

ma/ka

Sample ID: B 76 (H210190-12)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2021	ND	2.02	101	2.00	6.65	
Toluene*	<0.050	0.050	01/27/2021	ND	1.94	97.2	2.00	7.49	
Ethylbenzene*	<0.050	0.050	01/27/2021	ND	1.90	94.8	2.00	8.16	
Total Xylenes*	<0.150	0.150	01/27/2021	ND	5.50	91.7	6.00	8.98	
Total BTEX	<0.300	0.300	01/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 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	1410	16.0	01/27/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2021	ND	196	98.0	200	9.43	
DRO >C10-C28*	<10.0	10.0	01/27/2021	ND	212	106	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	01/27/2021	ND					
Surrogate: 1-Chlorooctane	78.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	82.6	% 42.2-15	6						

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Celey D. Keine



Analytical Results For:

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

Fax To: (575) 393-2432

 Received:
 01/26/2021
 Sampling Date:
 01/26/2021

 Reported:
 01/28/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: NONE GIVEN

ma/ka

Sample ID: B 77 (H210190-13)

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	01/27/2021	ND	2.02	101	2.00	6.65	
Toluene*	<0.050	0.050	01/27/2021	ND	1.94	97.2	2.00	7.49	
Ethylbenzene*	<0.050	0.050	01/27/2021	ND	1.90	94.8	2.00	8.16	
Total Xylenes*	<0.150	0.150	01/27/2021	ND	5.50	91.7	6.00	8.98	
Total BTEX	<0.300	0.300	01/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 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	1730	16.0	01/27/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2021	ND	196	98.0	200	9.43	
DRO >C10-C28*	<10.0	10.0	01/27/2021	ND	212	106	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	01/27/2021	ND					
Surrogate: 1-Chlorooctane	82.7	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	85.7	% 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:
 01/26/2021
 Sampling Date:
 01/26/2021

 Reported:
 01/28/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

Sample ID: B 78 (H210190-14)

BTEX 8021B

	<u> </u>			• •					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2021	ND	2.02	101	2.00	6.65	
Toluene*	<0.050	0.050	01/27/2021	ND	1.94	97.2	2.00	7.49	
Ethylbenzene*	<0.050	0.050	01/27/2021	ND	1.90	94.8	2.00	8.16	
Total Xylenes*	<0.150	0.150	01/27/2021	ND	5.50	91.7	6.00	8.98	
Total BTEX	<0.300	0.300	01/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 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	1840	16.0	01/27/2021	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2021	ND	196	98.0	200	9.43	
DRO >C10-C28*	<10.0	10.0	01/27/2021	ND	212	106	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	01/27/2021	ND					
Surrogate: 1-Chlorooctane	97.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	101	% 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:
 01/26/2021
 Sampling Date:
 01/26/2021

 Reported:
 01/28/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: B 79 (H210190-15)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2021	ND	2.02	101	2.00	6.65	
Toluene*	<0.050	0.050	01/27/2021	ND	1.94	97.2	2.00	7.49	
Ethylbenzene*	<0.050	0.050	01/27/2021	ND	1.90	94.8	2.00	8.16	
Total Xylenes*	<0.150	0.150	01/27/2021	ND	5.50	91.7	6.00	8.98	
Total BTEX	<0.300	0.300	01/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 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	4640	16.0	01/27/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2021	ND	196	98.0	200	9.43	
DRO >C10-C28*	<10.0	10.0	01/27/2021	ND	212	106	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	01/27/2021	ND					
Surrogate: 1-Chlorooctane	97.6	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	102	% 42.2-15	6						

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Celey 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

mg/kg

Received: 01/26/2021 Sampling Date: 01/26/2021

Reported: 01/28/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

Sample ID: B 80 (H210190-16)

BTEX 8021B

DILX GOZID	11197	- 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	01/27/2021	ND	2.02	101	2.00	6.65	
Toluene*	< 0.050	0.050	01/27/2021	ND	1.94	97.2	2.00	7.49	
Ethylbenzene*	< 0.050	0.050	01/27/2021	ND	1.90	94.8	2.00	8.16	
Total Xylenes*	<0.150	0.150	01/27/2021	ND	5.50	91.7	6.00	8.98	
Total BTEX	<0.300	0.300	01/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 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	688	16.0	01/27/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2021	ND	196	98.0	200	9.43	
DRO >C10-C28*	<10.0	10.0	01/27/2021	ND	212	106	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	01/27/2021	ND					
Surrogate: 1-Chlorooctane	85.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.1	% 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:
 01/26/2021
 Sampling Date:
 01/26/2021

 Reported:
 01/28/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: NONE GIVEN

ma/ka

Sample ID: B 81 (H210190-17)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2021	ND	2.02	101	2.00	6.65	
Toluene*	<0.050	0.050	01/27/2021	ND	1.94	97.2	2.00	7.49	
Ethylbenzene*	<0.050	0.050	01/27/2021	ND	1.90	94.8	2.00	8.16	
Total Xylenes*	<0.150	0.150	01/27/2021	ND	5.50	91.7	6.00	8.98	
Total BTEX	<0.300	0.300	01/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 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	1440	16.0	01/27/2021	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2021	ND	196	98.0	200	9.43	
DRO >C10-C28*	<10.0	10.0	01/27/2021	ND	212	106	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	01/27/2021	ND					
Surrogate: 1-Chlorooctane	84.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.4	% 42.2-15	6						

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Analytical Results For:

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

Fax To: (575) 393-2432

Received: 01/26/2021 Sampling Date: 01/26/2021

Reported: 01/28/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: B 82 (H210190-18)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/27/2021	ND	2.02	101	2.00	6.65	
Toluene*	<0.050	0.050	01/27/2021	ND	1.94	97.2	2.00	7.49	
Ethylbenzene*	<0.050	0.050	01/27/2021	ND	1.90	94.8	2.00	8.16	
Total Xylenes*	<0.150	0.150	01/27/2021	ND	5.50	91.7	6.00	8.98	
Total BTEX	<0.300	0.300	01/27/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 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	1880	16.0	01/27/2021	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/27/2021	ND	196	98.0	200	9.43	
DRO >C10-C28*	<10.0	10.0	01/27/2021	ND	212	106	200	5.08	
EXT DRO >C28-C36	<10.0	10.0	01/27/2021	ND					
Surrogate: 1-Chlorooctane	94.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	98.4	% 42.2-15	6						

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Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(575) 393-2326 FAX (5/5) 393-24/6			
Company Name: PROCEEDING	8/18	LL TO	ANALYSIS REQUEST
Project Manager: Project School	P.O. #:		
	Company:		
city: Hohbs State: N.W. Zip:	Zip: \$₹340 Attn:		
	Address:		
Project #: Project Owner:	City:		
ame:	State:	Zip:	
Project Location: A Company and A Company	Phone #:		
00	Fax #:	1	
	MATRIX PRESERV	SAMPLING	
Sample I.D.	CONTAINERS CONTAINERS CONTAINERS COUNDWATER ASTEWATER DIL L L LUDGE THER: CID/BASE: THER:	CI EXTEX BTEX	
1 201 00	_	1120	
2 W16		8:48////	
3617		1009	
4 w18		10:09	
5 B 69		180	
84.5		1:22	
Q R J		1,26///	
200000000000000000000000000000000000000		1:28:1	
1	0 -	-/al 1:30 / //	
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affiliates or successors arising out of or related to the performance of services insurance by services in the service by services in the service by services by services by services in the service by services by services by services by services in the service by services by servi	Date: (20)	Phone Result: ☐ Yes Fax Result: ☐ Yes	□ No Add'l Phone #: □ No Add'l Fax #:
	Received By:	Stringland.	
Time:			
- 1	Sample Condition Cool Intact	(Initials)	
Sampler - UPS - Bus - Other: 5,8 c #	#//3 Hres Hres		

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



101 East Marland, Hobbs, NM 88240

(575) 393-2326	(575) 393-2326 FAX (575) 393-2476			RECHEST
Company Name: Apoculus		BILL 10	ANALISIS	
Project Manager: Bruce	Broker	P.O. #:		
Address:		Company:		
city: Hobbs	State: N.M. Zip: 8824	O Attn:		
O O	Fax #:	Address:		
Project #:	Project Owner:	City:		
Project Name:		State: Zip:		
on: Poor	36	Phone #:		
Sampler Name:	2	Fax #:		
FOR LAB USE ONLY		MATRIX PRESERV. SAMPLING	NG	
Lab I.D. Sample I.D.	RAB OR (C)OMP ONTAINERS OUNDWATER STEWATER	JDGE HER: ID/BASE: / COOL HER:	CL EXT TPH BTEX	
H210190	GR WA	AC — C	132 / (S	
-	C		3:02 / / /	
13877	30	260	3000	
0193				
16 PCO)	3566 / //	
7 800	0	1 36 3	3:08 / /	
1888	C	1 1 1 1 26	3110	
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affiliates or successors arising out of or related to the performa Relinquished By:	Date: Received By:	te: Received By:	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	5:
Jan Durende	194	ma dillated	DEMARKS:	
Relinquisned by:	Time:			
Delivered By: (Circle One)	Observed Temp. °C 5 8 Samp	le Condition CHECKED BY:	Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C	es Tres VD	Thermometer ID #113 Yes Correction Factor None NC	No Corrected Temp. °C
FORM-000 R 3. 1 00/04/20	+ Cardinal cannot accent ve	arhal changes Please email chang	rained reannot account verbal changes. Please email changes to celey.keene@cardinallabsnm.com	



February 17, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: GERONIMO #28

Enclosed are the results of analyses for samples received by the laboratory on 02/16/21 14:53.

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:
 02/16/2021
 Sampling Date:
 02/12/2021

 Reported:
 02/17/2021
 Sampling Type:
 Soil

Project Name: GERONIMO #28 Sampling Condition: ** (See Notes)
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

Sample ID: W 17 (H210382-01)

Chloride, SM4500Cl-B mg/kg Analyzed By: GM Analyte Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD Oualifier Result 432 400 Chloride 112 16.0 02/17/2021 ND 108 3.77

Sample ID: W 18 (H210382-02)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/17/2021	ND	432	108	400	3.77	

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Celey & Keene



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

Relinquished By:

208e Alexan

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

Corrected Temp. °C

Sample Condition
Cool Intact
Yes Yes
No No

CHECKED BY: (Initials)

Turnaround Time:

Bacteria (only) Sample Condition
Cool Intact Observed Temp.

Yes Yes
No Corrected Temp.

Corrected Temp. °C Observed Temp. °C

Observed Temp. °C 20. 8

Time:

Received By:

REMARKS:



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	(575) 393-2326 F/	01 East Marland, H
	-2326	arland
	FAX	, Hob
	(575)	Hobbs, NM
	393	Ž
	FAX (575) 393-2476	88240
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(0.0) 000 -000 : 000 (0.0) 000 -	+10					
Company Name: April		BILL TO		ANALYSIS	REQUEST	
Project Manager: Bruce Bakes		P.O. #:			ı	
Address:		Company:				
City: Hobbs State Nom Zip:		Attn:				
Phone #: Fax #:		Address:				
Project #: Project Owner:		City:				
Project Name:		State: Zip:				
Project Location: (20/20-12-12-12-12-12-12-12-12-12-12-12-12-12-		Phone #:				
Sampler Name: Jose Le Carel		Fax #:	w.			_
	MATRIX	PRESERV. SAM	SAMPLING			
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	TIME C/			
1010	-	_	10:30			
21018	C) 1	1/2	10:32 1			
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affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise	ardinal, regardless of whether such claim is	based upon any of the above stated re		Yes □ No Add'I Phone #:	#	
2/12	1000000		All Results are emaile	lease prov	ress:	

Thermometer ID #113
Correction Factor None



December 20, 2021

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: GERONIMO #28

Enclosed are the results of analyses for samples received by the laboratory on 12/16/21 16:10.

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/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. Keene

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: 12/16/2021 Reported: 12/20/2021 Project Name: GERONIMO #28

Project Number: NONE GIVEN Project Location: NONE GIVEN Sampling Date: 12/16/2021

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Jodi Henson

Sample ID: B 1 @ 4' (H213646-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	2.05	102	2.00	0.354	
Toluene*	<0.050	0.050	12/17/2021	ND	2.00	100	2.00	8.60	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	2.03	101	2.00	8.35	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	6.71	112	6.00	7.04	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7600	16.0	12/17/2021	ND	400	100	400	3.92	
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	12/17/2021	ND	191	95.5	200	3.20	
DRO >C10-C28*	<10.0	10.0	12/17/2021	ND	189	94.7	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	12/17/2021	ND					
Surrogate: 1-Chlorooctane	67.7	% 62-130)						
Surrogate: 1-Chlorooctadecane	62.2	% 54.5-13	5						

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Celeg D. Freene



Analytical Results For:

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

Received: 12/16/2021 Sampling Date: 12/16/2021

Reported: 12/20/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Applyzod By: 14

Project Location: NONE GIVEN

ma/ka

Sample ID: B 2 @ 4' (H213646-02)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	2.05	102	2.00	0.354	
Toluene*	<0.050	0.050	12/17/2021	ND	2.00	100	2.00	8.60	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	2.03	101	2.00	8.35	
Total Xylenes*	<0.150	0.150	12/17/2021	ND	6.71	112	6.00	7.04	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	8660 16.0		12/17/2021	ND	400	100	400	3.92	
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	12/17/2021	ND	191	95.5	200	3.20	
DRO >C10-C28*	<10.0	10.0	12/17/2021	ND	189	94.7	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	12/17/2021	ND					
Surrogate: 1-Chlorooctane	69.1	% 62-130)						
Surrogate: 1-Chlorooctadecane	62.7	% 54.5-13	5						

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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: 12/16/2021 Sampling Date:

12/16/2021 Reported: Sampling Type: Soil 12/20/2021

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Jodi Henson

Project Location: NONE GIVEN

Sample ID: W 1 BGS 1-4' (H213646-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/17/2021	ND	2.05	102	2.00	0.354		
Toluene*	<0.050	0.050	12/17/2021	ND	2.00	100	2.00	8.60		
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	2.03	101	2.00	8.35		
Total Xylenes*	<0.150	0.150	12/17/2021	ND	6.71	112	6.00	7.04		
Total BTEX	<0.300	0.300	12/17/2021	ND						
Surrogate: 4-Bromofluorobenzene (PID	107 9	69.9-14	0							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/17/2021	ND	400	100	400	3.92		
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	12/17/2021	ND	191	95.5	200	3.20		
DRO >C10-C28*	<10.0	10.0	12/17/2021	ND	189	94.7	200	1.07		
EXT DRO >C28-C36	<10.0	10.0	12/17/2021	ND						
Surrogate: 1-Chlorooctane	63.4	% 62-130	1							
Surrogate: 1-Chlorooctadecane	57.5	% 54.5-13	5							

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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: 12/16/2021 Sampling Date: 12/16/2021

Reported: 12/20/2021 Sampling Type: Soil

Project Name: GERONIMO #28 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Jodi Henson

Analyzed By: MS/

Project Location: NONE GIVEN

Sample ID: W 2 BGS 1-4' (H213646-04)

BTEX 8021B

Amplita	Dogult	Donouting Limit	Analyzad	Method Blank	DC.	O/ Doseview	True Value OC	DDD	Ovalifian
Analyte	Result	Reporting Limit	Analyzed		BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2021	ND	1.96	97.9	2.00	8.67	
Toluene*	< 0.050	0.050	12/17/2021	ND	1.94	97.0	2.00	8.65	
Ethylbenzene*	<0.050	0.050	12/17/2021	ND	1.95	97.5	2.00	9.69	
Total Xylenes*	< 0.150	0.150	12/17/2021	ND	5.99	99.9	6.00	9.12	
Total BTEX	<0.300	0.300	12/17/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.3 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/17/2021	ND	400	100	400	3.92	
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	12/17/2021	ND	191	95.5	200	3.20	
DRO >C10-C28*	<10.0	10.0	12/17/2021	ND	189	94.7	200	1.07	
EXT DRO >C28-C36	<10.0	10.0	12/17/2021	ND					
Surrogate: 1-Chlorooctane	65.4 %	% 62-130	ı						
Surrogate: 1-Chlorooctadecane	59.4 9	54.5-13.	5						

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Notes and Definitions

BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.

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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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Compan	P	Page 164 of 1
Name:	101 East Marland, Hobbs, NM (575) 393-2326 FAX (575) 39	CARDIN/ Laboratori
	1 88240 93-2476	es

Sampler - UP3 - Dus - Onioniz	Delivered By: (Circle One)	7	Relinguished By:	service. In no event shall Cardin affiliates or successors arising of Relinquished By:	PLEASE NOTE: Liability and Do analyses. All claims including th			m L	202	3-4	H2136410	Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Location:	Tojoct Namo:	Project #	phone #:	Address.	roject manager. Bruce	ompany Name:	-	101
			well of	all be liable for including or contact of or related to the performan	amages. Cardinal's liability and o			M-2 8081-4.		1.		Sample I.D.		Josef Jacob	Serconimo					ruce D.		(575) 393-2326 FAX (575) 393-2476	101 East Marland, Hobbs, NM 88240
	Observed Temp. °C 2.4	Time:	Time:	ce of services hereunder by Ca	consental damages, including v						VC)P	AB OR (C)O		e de	# 28		Project Owner:		State: \) \ Zi			((575) 393-2476	bbs, NM 88240
-	Sam Coo		Received By:	Received By:	claim arising whether based in cor emed waived unless made in writin without limitation, business interrupti				7 /		# CO GRO WAS SOIL	ONTAINERS OUNDWATER STEWATER L							ONESS :diz 17(1)				
No LI No II No III	ndition CHECKED BY: act (Initials)		lenson	Received By: Received By:	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 year or whether please. Cardinal's liability and client's exclusive remedy for any claim arising whether based in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable. Analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable places. The completion of the applicable places with the completion of the applicable places. The completion of the applicable places with the completion of the applicable places. The completion of the applicable places with the completion of the applicable places. The completion of the applicable places with the completion of the applicable places. The completion of the applicable places with the completion of the applicable places. The completion of the applicable places with the completion of the applicable places. The completion of the applicable places with the completion of the applicable places. The completion of the applicable places with the completion of the applicable places. The completion of the applicable places with the applicable places with the completion of the applicable places. The completion of the applicable places with the applicable places with the completion of the applicable places. The completion of the applicable places with the applicable places with the applicable places with the applicable places. The applicable places with the applicable places. The applicable places with the applicable places with the appl				1 12-16	1 12-16	OTH ACI ICE OTI	HER: D/BASE: // COOL HER:		Fax #: SAMPLING	Phone #:	State: Zip:	City:	Address:	Attn:	Company:	P.O. #:	BILL TO	
nanges to celey.keene	Thermometer ID #113 Correction Factor -0.5°C		REMARKS:	Verbal Result:	fter completion of the applicable y client, its subsidiaries,	his busho client for the				10:30 × ×	< 0	L		LING									
@cardinallabsnm	Rush		Ju	es ☐ No Add J. Please provide E					**	*>	X 7	BTEX										ANALYSIS	
.com	Cool Intact	Bacteria (only)		Add'l Phone #: ide Email address:		F					1											YSIS REQUEST	
	Observed Temp. °C Corrected Temp. °C	Bacteria (only) Sample Condition						3														ST	

Page 7 of 7

Page 165 of 166

Incident ID	NRM1932357560
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 must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in
Printed Name: Larry Baker	Title: Environmental Tech Sr. Staff
Signature: Larry Baker	Date: 11/3/2022
email: larry.baker@apachecorp.com	Telephone: 432-215-2284
OCD Only	
Received by: Robert Hamlet	Date: 1/17/2023
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible /or regulations.
Closure Approved by: Robert Hamlet	Date: <u>1/17/2023</u>
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

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 156077

CONDITIONS

Operator:	OGRID:
APACHE CORPORATION	873
303 Veterans Airpark Ln	Action Number:
Midland, TX 79705	156077
	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 #NRM1932357560 GERONIMO 28 STATE SWD #002, thank you. This closure is approved.	1/17/2023