Page 1 of 37 Incident ID NAPP2114756542 District RP Facility ID Application ID

Remediation Plan

Remediation Plan Checklist: Each of the following items must be	e included in the plan.
 ✓ Detailed description of proposed remediation technique ✓ Scaled sitemap with GPS coordinates showing delineation point ✓ Estimated volume of material to be remediated 	
☐ Closure criteria is to Table 1 specifications subject to 19.15.29.1☐ Proposed schedule for remediation (note if remediation plan times)	
Deferral Requests Only: Each of the following items must be con	firmed as part of any request for deferral of remediation.
	roduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name: Larry Baker	Title: Environmental Tech SR.
Printed Name: Larry Baker Signature: Larry Baker	Date: 8/10/2021
email: larry.baker@apachecorp.com	Telephone: 432-631-6982
	•
OCD Only	
Received by: Robert Hamlet	Date: 3/17/2022
Approved With Attached Conditions of	Approval
Signature: Robert Hamlet	Date: 3/17/2022

Amended Remediation Plan

November 4, 2021

Re: CLFCA Water Transfer Line Case nAPP2114756542

Background:

On 5/13/2021 a release occurred due to a 4 inch metal grooved transition failed due to external corrosion. The release (GPS: 32.823203, -103.946841) is located east of Loco Hills, New Mexico in unit letter F section 23 township 17S range 30E. On 8/2/2021 a soil bore was conducted 52 feet north of the release. The soil bore was advanced to a depth of 117 feet below ground surface. The bore hole was left open for 72 hours and gauged for the presence of water. The bore hole was dry to a depth of 117 feet.

On 6/30/2021 vertical delineation was conducted to depths of 8 and 12 feet. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. Horizontal 5 point surface composite samples were collected not to exceed 200 square feet. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. On 8/2/2021 further delineation was conducted at SP2 utilizing a soil bore rig. SP 2 was advanced to a depth of 30 feet. All samples collected were submitted to commercial laboratory for analysis of chloride. The release area has been delineated below table one standards for release greater than 100 feet to groundwater.

Remediation Plan:

Apache Corporation proposes that the release area be excavated to a depth of 4 feet below ground surface and a variance is requested to install a 20 mil reinforced liner. 5 point wall composite samples will be collected not to exceed 200 square feet. All excavated soil (100 yards) will be hauled to a temporary above ground treatment cell (See RXSOILS Attachment for treatment details). Once laboratory analysis confirm that the soil is below reclamation standards it will be utilized to backfill the excavation. The disturbed area will be reseeded in accordance with surface landowner's guidelines. The remediation will be completed within 90 days of OCD approval of the plan.

Enclosed: C-141, Groundwater Data, Maps, Sample Data, Laboratory Results, Noxious Weed and Revegetation Plan, and RXSOILS Treatment Details.

Submitted by;

Environmental Technician larry.baker@apachecorp.com

Cell# 432-631-6982

Bruce Baker

Received by OCD: 11/4/2021 2:40:36 PM Form C-141 State of New Mexico
Page 3 Oil Conservation Division

	Page 3 of 37
Incident ID	
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

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

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

Received by OCD: 11/4/2021 2:40:36 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

	Page 4 of 37
Incident ID	
District RP	
Facility ID	
Application ID	

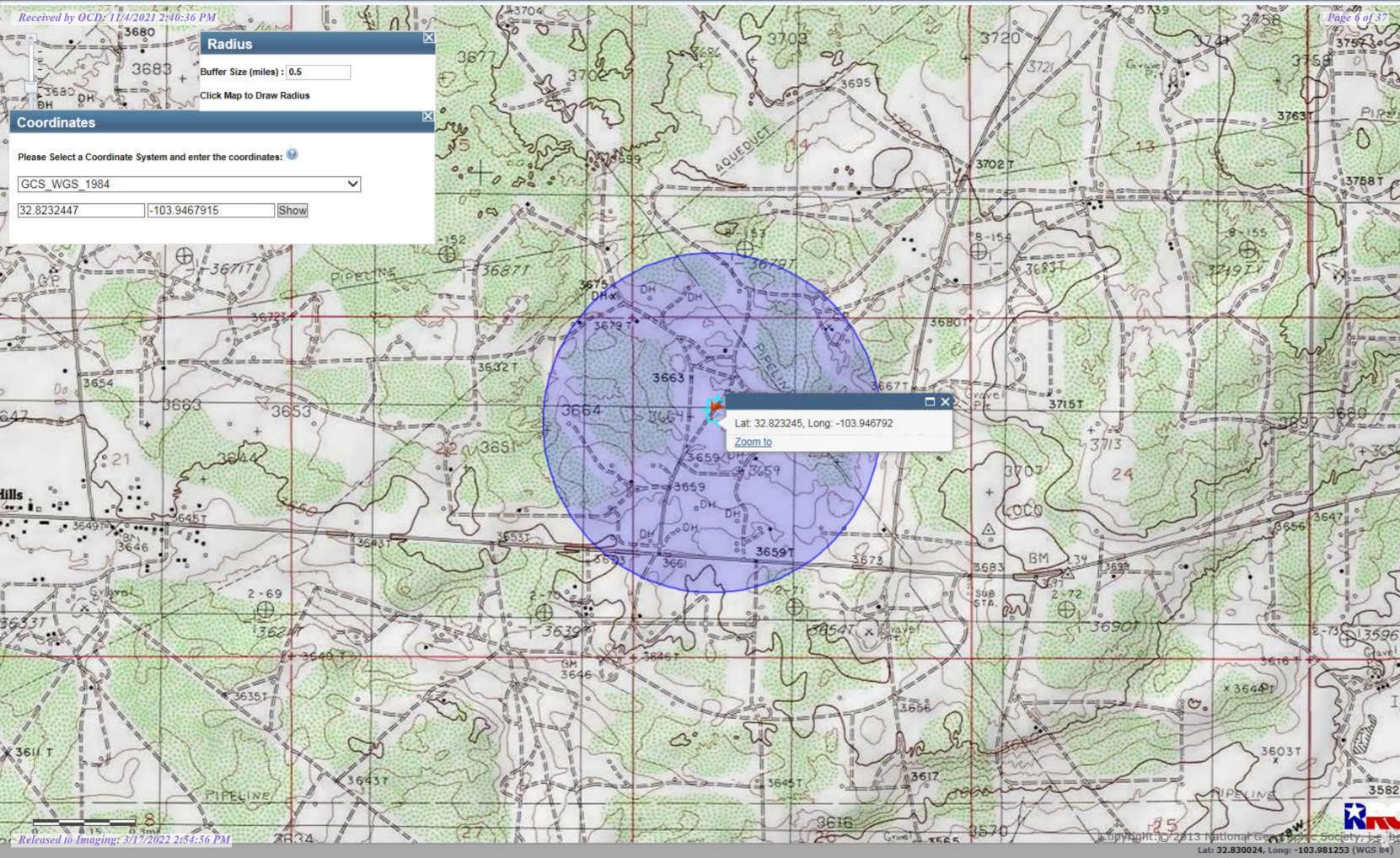
I hereby certify that the information given above is true and complete to the regulations all operators are required to report and/or file certain release not public health or the environment. The acceptance of a C-141 report by the failed to adequately investigate and remediate contamination that pose a thr addition, OCD acceptance of a C-141 report does not relieve the operator of and/or regulations.	ifications and perform corrective actions for releases which may endanger OCD does not relieve the operator of liability should their operations have eat to groundwater, surface water, human health or the environment. In
Printed Name: Larry Baker	Title: Environmental Tech SR.
Signature: Larry Baker	Date: 8/10/2021
email: larry.baker@apachecorp.com	Telephone: 432-631-6982
OCD Only	
Received by:	Date:

Received by OCD: 11/4/2021 2:40:36 PM Form C-141 State of New Mexico Page 5 Oil Conservation Division

	Page 5 of 37
Incident ID	
District RP	
Facility ID	
Application ID	

Remediation Plan

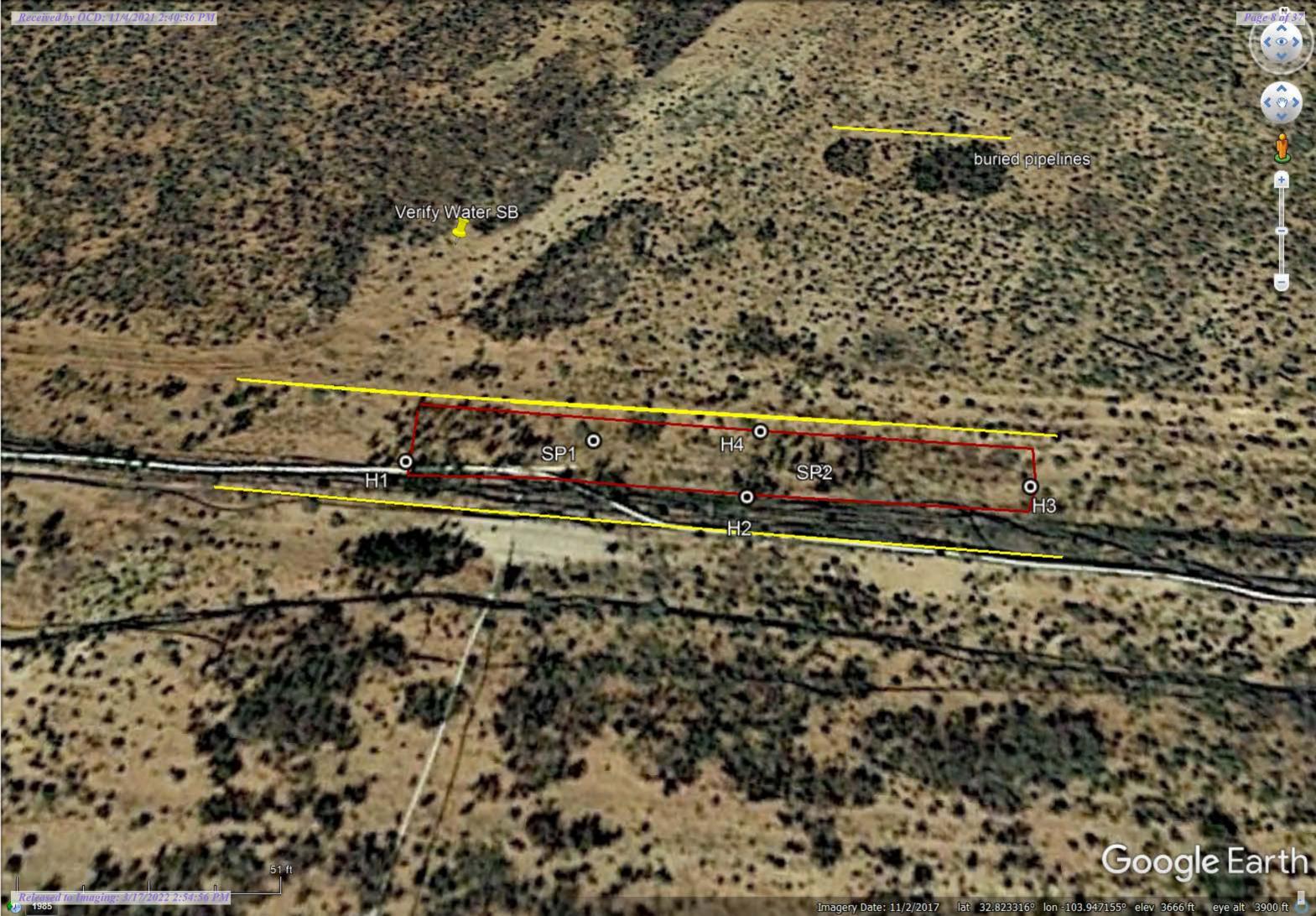
Remediation Plan Checklist: Each of the following items must be	e included in the plan.
 ✓ Detailed description of proposed remediation technique ✓ Scaled sitemap with GPS coordinates showing delineation point ✓ Estimated volume of material to be remediated ✓ Closure criteria is to Table 1 specifications subject to 19.15.29. ✓ Proposed schedule for remediation (note if remediation plan times) 	2(C)(4) NMAC
<u>Deferral Requests Only</u> : Each of the following items must be con	firmed as part of any request for deferral of remediation.
Contamination must be in areas immediately under or around predeconstruction.	roduction equipment where remediation could cause a major facility
Extents of contamination must be fully delineated.	
Contamination does not cause an imminent risk to human health	n, the environment, or groundwater.
	e and remediate contamination that pose a threat to groundwater, acceptance of a C-141 report does not relieve the operator of
Printed Name: Larry Baker	Title: Environmental Tech SR.
Printed Name: Larry Baker Signature: Larry Baker	Date: 8/10/2021
email: larry.baker@apachecorp.com	Telephone: 432-631-6982
OCD Only	
Received by:	Date:
☐ Approved ☐ Approved with Attached Conditions of	Approval
Signature:	Date:



Desert Sand Water Well Services, LLC.

Soil Bore Report

oju	Customer:				Phone:	Date:				
General / Well Info	Dimondb	ack Dispos	al/Apacho	e Corp.	575-631-9586	8/2/21				
al/	Well Name:	and Section 200			Location:	0,2,21				
Gener	CLFCA	WATER TI	RANSFEI	R LINE	32.823401, -103.946934					
	DI	EPTH								
÷	FROM	ТО	THICKNESS (feet)	COLOR	AND TYPE OF MATERIAL ENCOUNTERED - INC BEARING CAVITIES OR FRACTURES	CLUDE WATER				
	0	7	7		TOP SOIL					
	7	20	13		CALECHE					
	20	55	25		RED SAND / ROCK					
	55	60	5		RED CLAY					
	60	80	20		RED SAND WITH RED CALY STRINGER	RS				
	- 80	117	37		RED CLAY / GRAVEL					
-										
		2000								
ł	2000 COCACO	sizes								
4		Entry Co.								
国	9									
3		The case of the ca		BUDE II	OLE WAS LEFT OPEN TO HOURS THE					
OF WELL		SECTION AND ADDRESS OF THE PROPERTY OF THE PRO			OLE WAS LEFT OPEN 72 HOURS THEN CH					
		e de la companya de l		PLUGGET	HE BORE HOLE WAS DRY AFTER 72 HOURS. B D FROM THE BOTTOM OF THE HOLE TO T	ORE HOLE WAS				
LOG	*			CLE	AN NATURAL FILL AND 3/8 HOLE PLUG C	HE TOP WITH				
					TELEVILLE PROPERTY OF THE PROP	'IN 8/0/21.				
			000							
					Total Andrews Control of the Control	Magnetic Cons.				
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-						P. C. Carrier				
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				90990) Electronic (1990)						



Sample	Sample ID	Depth	Chloride	Benzene	Toulene	Ethybenzene	Total	Total	GRO	DRO	EXT DRO	GPS Coordinates
Date							Xylenes	BTEX				
Delineation Sa	amples		1		1			1		1	_	
												32.8232447,
6/30/2021	SP 1	S	464	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	174	52.5	-103.9467915
		2'	5,200	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
		4'	1,900	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	15.4	<10.0	
		6'	7,440	<0.050	<0.050	<0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	
		8'	5,280	<0.050	<0.050	< 0.050	<0.150	< 0.300	<10.0	<10.0	<10.0	
												32.8232351,
6/30/2021	SP 2	S	6,640	< 0.050	<0.050	< 0.050	<0.150	<0.300	<10.0	135	74.8	-103.9466125
		2'	5,360	< 0.050	< 0.050	<0.050	< 0.150	< 0.300	<10.0	188	94.6	
		4'	19,000	< 0.050	< 0.050	<0.050	< 0.150	< 0.300	<10.0	14.4	<10.0	
		6'	23,600	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	20.2	<10.0	
		8'	17,400	< 0.050	<0.050	<0.050	< 0.150	< 0.300	<10.0	17.6	<10.0	
		10'	17,200	< 0.050	<0.050	<0.050	< 0.150	< 0.300	<10.0	19.7	<10.0	
		12'	20,000	< 0.050	<0.050	<0.050	< 0.150	< 0.300	<10.0	15	<10.0	
8/2/2021		15'	14,600									
		20'	19,000									
		25'	15,400									
		30'	9,000									
			,									
Horizontal Sar	nnles			<u> </u>							1	
Tiorizoniai sai	<u>p.cs</u>											32.8232188,
6/30/2021	H1	S	<16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.9469313
0/30/2021	1111	+ -	10.0	\0.030	\0.050	\0.030	V0.130	\0.500	10.0	10.0	10.0	32.8232129,
6/30/2021	H2	S	<16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.9466679
0/30/2021	112	3	\10.U	\U.U.U	\0.030	\0.030	\U.13U	\U.3UU	\1U.U	×10.0	\1U.U	32.8232408,
6/30/2021	НЗ	S	<16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.9464526
0/30/2021	ПЭ	3	\10.U	\U.U3U	\0.030	\0.030	<0.130	\0.300	\10.0	\10.0	\10.0	32.8232613,
6/20/2021	H4	c	40.0	<0.0F0	<0.050	<0.0F0	<0.1F0	<0.200	<10.0	210.0	Z10.0	
6/30/2021	H4	S	48.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	-103.9466621



July 07, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CLFCA

Enclosed are the results of analyses for samples received by the laboratory on 06/30/21 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)

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
JEFFREY BROOM
2350 W. MARLAND BLVD.
HOBBS NM, 88240
Fax To: (575) 393-2432

Received: 06/30/2021 Sampling Date: 06/30/2021

Reported: 07/07/2021 Sampling Type: Soil

Project Name: CLFCA Sampling Condition: Cool & Intact
Project Number: CLFCA WATER TRANSFER LINE Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 1 @ SURFACE (H211703-01)

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	07/01/2021	ND	2.07	103	2.00	0.850	
Toluene*	<0.050	0.050	07/01/2021	ND	2.23	111	2.00	0.994	
Ethylbenzene*	<0.050	0.050	07/01/2021	ND	2.13	107	2.00	2.34	
Total Xylenes*	<0.150	0.150	07/01/2021	ND	6.35	106	6.00	1.62	
Total BTEX	<0.300	0.300	07/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 5	% 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	464	16.0	07/02/2021	ND	464	116	400	3.51	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2021	ND	247	123	200	7.00	
DRO >C10-C28*	174	10.0	07/02/2021	ND	225	113	200	3.49	QR-03
EXT DRO >C28-C36	52.5	10.0	07/02/2021	ND					
Surrogate: 1-Chlorooctane	107 :	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	123	% 38.9-14	2						

Cardinal Laboratories

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

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

Received: 06/30/2021 Sampling Date: 06/30/2021

Reported: 07/07/2021 Sampling Type: Soil

Project Name: CLFCA Sampling Condition: Cool & Intact
Project Number: CLFCA WATER TRANSFER LINE Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 1 @ 2' (H211703-02)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2021	ND	2.07	103	2.00	0.850	
Toluene*	<0.050	0.050	07/01/2021	ND	2.23	111	2.00	0.994	
Ethylbenzene*	<0.050	0.050	07/01/2021	ND	2.13	107	2.00	2.34	
Total Xylenes*	<0.150	0.150	07/01/2021	ND	6.35	106	6.00	1.62	
Total BTEX	<0.300	0.300	07/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 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	5200	16.0	07/02/2021	ND	464	116	400	3.51	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2021	ND	247	123	200	7.00	
DRO >C10-C28*	<10.0	10.0	07/02/2021	ND	225	113	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	07/02/2021	ND					
Surrogate: 1-Chlorooctane	108	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	114	% 38.9-14	22						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



06/30/2021

Analytical Results For:

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

Received: 06/30/2021 Sampling Date:

ma/ka

Reported: 07/07/2021 Sampling Type: Soil

Project Name: CLFCA Sampling Condition: Cool & Intact
Project Number: CLFCA WATER TRANSFER LINE Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: NOT GIVEN

Sample ID: SP 1 @ 4' (H211703-03)

RTFY 8021R

Result <0.050 <0.050 <0.050 <0.050 <0.150	Reporting Limit 0.050 0.050 0.050	Analyzed 07/01/2021 07/01/2021	Method Blank ND	BS 2.07	% Recovery	True Value QC 2.00	RPD	Qualifier
<0.050 <0.050	0.050			2.07	103	2 00	0.050	
<0.050		07/01/2021	ND			2.00	0.850	
	0.050		ND	2.23	111	2.00	0.994	
< 0.150	0.050	07/01/2021	ND	2.13	107	2.00	2.34	
	0.150	07/01/2021	ND	6.35	106	6.00	1.62	
<0.300	0.300	07/01/2021	ND					
97.3	% 69.9-14	0						
mg,	kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
1900	16.0	07/02/2021	ND	464	116	400	3.51	
mg,	'kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	07/02/2021	ND	247	123	200	7.00	
15.4	10.0	07/02/2021	ND	225	113	200	3.49	
<10.0	10.0	07/02/2021	ND					
108	% 44.3-13	3						
100		~						
	Result 1900 mg/ Result <10.0 15.4 <10.0	Result Reporting Limit <10.0 10.0 15.4 10.0 <10.0 10.0	Result Reporting Limit Analyzed 1900 16.0 07/02/2021 mg/kg Analyze Result Reporting Limit Analyzed <10.0	Result Reporting Limit Analyzed Method Blank 1900 16.0 07/02/2021 ND mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank <10.0	Result Reporting Limit Analyzed Method Blank BS 1900 16.0 07/02/2021 ND 464 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery 1900 16.0 07/02/2021 ND 464 116 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC 1900 16.0 07/02/2021 ND 464 116 400 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 1900 16.0 07/02/2021 ND 464 116 400 3.51 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

Cardinal Laboratories *=Accredited Analyte

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

Celey & Keene



Analytical Results For:

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

Received: 06/30/2021 Sampling Date: 06/30/2021

Reported: 07/07/2021 Sampling Type: Soil

Project Name: CLFCA Sampling Condition: Cool & Intact
Project Number: CLFCA WATER TRANSFER LINE Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 1 @ 6' (H211703-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2021	ND	2.07	103	2.00	0.850	
Toluene*	<0.050	0.050	07/01/2021	ND	2.23	111	2.00	0.994	
Ethylbenzene*	<0.050	0.050	07/01/2021	ND	2.13	107	2.00	2.34	
Total Xylenes*	<0.150	0.150	07/01/2021	ND	6.35	106	6.00	1.62	
Total BTEX	<0.300	0.300	07/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111	% 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	7440	16.0	07/02/2021	ND	464	116	400	3.51	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2021	ND	247	123	200	7.00	
DRO >C10-C28*	<10.0	10.0	07/02/2021	ND	225	113	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	07/02/2021	ND					
Surrogate: 1-Chlorooctane	109	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	117	% 38.9-14	22						

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Celey D. Keine



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/30/2021 Sampling Date: 06/30/2021

Reported: 07/07/2021 Sampling Type: Soil

Project Name: CLFCA Sampling Condition: Cool & Intact
Project Number: CLFCA WATER TRANSFER LINE Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 1 @ 8' (H211703-05)

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	07/01/2021	ND	2.07	103	2.00	0.850	
Toluene*	<0.050	0.050	07/01/2021	ND	2.23	111	2.00	0.994	
Ethylbenzene*	<0.050	0.050	07/01/2021	ND	2.13	107	2.00	2.34	
Total Xylenes*	<0.150	0.150	07/01/2021	ND	6.35	106	6.00	1.62	
Total BTEX	<0.300	0.300	07/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5280	16.0	07/02/2021	ND	464	116	400	3.51	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2021	ND	247	123	200	7.00	
DRO >C10-C28*	<10.0	10.0	07/02/2021	ND	225	113	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	07/02/2021	ND					
Surrogate: 1-Chlorooctane	109	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	117	% 38.9-14	2						

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Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/30/2021 Sampling Date: 06/30/2021

Reported: 07/07/2021 Sampling Type: Soil

Project Name: CLFCA Sampling Condition: Cool & Intact Sample Received By: Project Number: **CLFCA WATER TRANSFER LINE** Tamara Oldaker

Project Location: **NOT GIVEN**

Sample ID: SP 2 @ SURFACE (H211703-06)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/01/2021	ND	2.07	103	2.00	0.850	
Toluene*	<0.050	0.050	07/01/2021	ND	2.23	111	2.00	0.994	
Ethylbenzene*	<0.050	0.050	07/01/2021	ND	2.13	107	2.00	2.34	
Total Xylenes*	<0.150	0.150	07/01/2021	ND	6.35	106	6.00	1.62	
Total BTEX	<0.300	0.300	07/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	10						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6640	16.0	07/02/2021	ND	464	116	400	3.51	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2021	ND	247	123	200	7.00	
DRO >C10-C28*	135	10.0	07/02/2021	ND	225	113	200	3.49	
EXT DRO >C28-C36	74.8	10.0	07/02/2021	ND					
Surrogate: 1-Chlorooctane	106	% 44.3-13	23						
Surrogate: 1-Chlorooctadecane	118	% 38.9-14	12						

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Celeg D. Keene



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/30/2021 Sampling Date: 06/30/2021

Reported: 07/07/2021 Sampling Type: Soil

Project Name: CLFCA Sampling Condition: Cool & Intact
Project Number: CLFCA WATER TRANSFER LINE Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 2 @ 2' (H211703-07)

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	07/01/2021	ND	2.07	103	2.00	0.850	
Toluene*	<0.050	0.050	07/01/2021	ND	2.23	111	2.00	0.994	
Ethylbenzene*	<0.050	0.050	07/01/2021	ND	2.13	107	2.00	2.34	
Total Xylenes*	<0.150	0.150	07/01/2021	ND	6.35	106	6.00	1.62	
Total BTEX	<0.300	0.300	07/01/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 69.9-14	10						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5360	16.0	07/02/2021	ND	464	116	400	3.51	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2021	ND	247	123	200	7.00	
DRO >C10-C28*	188	10.0	07/02/2021	ND	225	113	200	3.49	
EXT DRO >C28-C36	94.6	10.0	07/02/2021	ND					
Surrogate: 1-Chlorooctane	110	% 44.3-13	23						
Surrogate: 1-Chlorooctadecane	125	% 38.9-14	12						

Surrogate: 1-Chlorooctadecane 125 % 38.9-142

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Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/30/2021 Sampling Date: 06/30/2021

Reported: 07/07/2021 Sampling Type: Soil

Project Name: CLFCA Sampling Condition: Cool & Intact Sample Received By: Project Number: CLFCA WATER TRANSFER LINE Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 2 @ 4' (H211703-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2021	ND	2.04	102	2.00	1.06	
Toluene*	<0.050	0.050	07/02/2021	ND	2.15	108	2.00	3.56	
Ethylbenzene*	<0.050	0.050	07/02/2021	ND	2.08	104	2.00	3.14	
Total Xylenes*	<0.150	0.150	07/02/2021	ND	6.12	102	6.00	4.40	
Total BTEX	<0.300	0.300	07/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19000	16.0	07/02/2021	ND	464	116	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2021	ND	247	123	200	7.00	
DRO >C10-C28*	14.4	10.0	07/02/2021	ND	225	113	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	07/02/2021	ND					
Surrogate: 1-Chlorooctane	108 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	115 9	% 38.9-14	2						

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Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/30/2021 Sampling Date: 06/30/2021

Reported: 07/07/2021 Sampling Type: Soil

Project Name: CLFCA Sampling Condition: Cool & Intact
Project Number: CLFCA WATER TRANSFER LINE Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 2 @ 6' (H211703-09)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2021	ND	2.04	102	2.00	1.06	
Toluene*	<0.050	0.050	07/02/2021	ND	2.15	108	2.00	3.56	
Ethylbenzene*	<0.050	0.050	07/02/2021	ND	2.08	104	2.00	3.14	
Total Xylenes*	<0.150	0.150	07/02/2021	ND	6.12	102	6.00	4.40	
Total BTEX	<0.300	0.300	07/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23600	16.0	07/02/2021	ND	464	116	400	3.51	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2021	ND	247	123	200	7.00	
DRO >C10-C28*	20.2	10.0	07/02/2021	ND	225	113	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	07/02/2021	ND					
Surrogate: 1-Chlorooctane	107	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	116	% 38.9-14	2						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/30/2021 Sampling Date: 06/30/2021

Reported: 07/07/2021 Sampling Type: Soil

Project Name: CLFCA Sampling Condition: Cool & Intact **CLFCA WATER TRANSFER LINE** Project Number: Sample Received By: Tamara Oldaker

Project Location: **NOT GIVEN**

Sample ID: SP 2 @ 8' (H211703-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2021	ND	2.04	102	2.00	1.06	
Toluene*	<0.050	0.050	07/02/2021	ND	2.15	108	2.00	3.56	
Ethylbenzene*	<0.050	0.050	07/02/2021	ND	2.08	104	2.00	3.14	
Total Xylenes*	<0.150	0.150	07/02/2021	ND	6.12	102	6.00	4.40	
Total BTEX	<0.300	0.300	07/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17400	16.0	07/02/2021	ND	464	116	400	3.51	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/02/2021	ND	247	123	200	7.00	
DRO >C10-C28*	17.6	10.0	07/02/2021	ND	225	113	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	07/02/2021	ND					
Surrogate: 1-Chlorooctane	103 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	112 %	6 38.9-14	2						

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Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/30/2021 Sampling Date: 06/30/2021

Reported: 07/07/2021 Sampling Type: Soil

Project Name: CLFCA Sampling Condition: Cool & Intact
Project Number: CLFCA WATER TRANSFER LINE Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 2 @ 10' (H211703-11)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2021	ND	2.04	102	2.00	1.06	
Toluene*	<0.050	0.050	07/02/2021	ND	2.15	108	2.00	3.56	
Ethylbenzene*	<0.050	0.050	07/02/2021	ND	2.08	104	2.00	3.14	
Total Xylenes*	<0.150	0.150	07/02/2021	ND	6.12	102	6.00	4.40	
Total BTEX	<0.300	0.300	07/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17200	16.0	07/02/2021	ND	464	116	400	3.51	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2021	ND	233	116	200	1.16	
DRO >C10-C28*	19.7	10.0	07/06/2021	ND	227	114	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	07/06/2021	ND					
Surrogate: 1-Chlorooctane	104	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	114	% 38.9-14	2						

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Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/30/2021 Sampling Date: 06/30/2021

Reported: 07/07/2021 Sampling Type: Soil

Project Name: CLFCA Sampling Condition: Cool & Intact
Project Number: CLFCA WATER TRANSFER LINE Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 2 @ 12' (H211703-12)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2021	ND	2.04	102	2.00	1.06	
Toluene*	<0.050	0.050	07/02/2021	ND	2.15	108	2.00	3.56	
Ethylbenzene*	<0.050	0.050	07/02/2021	ND	2.08	104	2.00	3.14	
Total Xylenes*	<0.150	0.150	07/02/2021	ND	6.12	102	6.00	4.40	
Total BTEX	<0.300	0.300	07/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	20000	16.0	07/02/2021	ND	464	116	400	3.51	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2021	ND	233	116	200	1.16	
DRO >C10-C28*	15.0	10.0	07/06/2021	ND	227	114	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	07/06/2021	ND					
Surrogate: 1-Chlorooctane	107	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	116	% 38.9-14	2						

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06/30/2021

Analytical Results For:

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

Received: 06/30/2021 Sampling Date:

Reported: 07/07/2021 Sampling Type: Soil

Project Name: CLFCA Sampling Condition: Cool & Intact
Project Number: CLFCA WATER TRANSFER LINE Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: H 1 (H211703-13)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2021	ND	2.04	102	2.00	1.06	
Toluene*	<0.050	0.050	07/02/2021	ND	2.15	108	2.00	3.56	
Ethylbenzene*	<0.050	0.050	07/02/2021	ND	2.08	104	2.00	3.14	
Total Xylenes*	<0.150	0.150	07/02/2021	ND	6.12	102	6.00	4.40	
Total BTEX	<0.300	0.300	07/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/02/2021	ND	464	116	400	3.51	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2021	ND	233	116	200	1.16	
DRO >C10-C28*	<10.0	10.0	07/06/2021	ND	227	114	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	07/06/2021	ND					
Surrogate: 1-Chlorooctane	107	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	115 9	% 38.9-14	2						

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Celey D. Keene



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/30/2021 Sampling Date: 06/30/2021

Reported: 07/07/2021 Sampling Type: Soil

Project Name: CLFCA Sampling Condition: Cool & Intact
Project Number: CLFCA WATER TRANSFER LINE Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: H 2 (H211703-14)

Analyte Result Reporting Limit Analyz Benzene* <0.050 0.050 07/02/3	/2021 ND	BS 2.04	% Recovery	True Value QC	RPD	Qualifier
Benzene* <0.050 0.050 07/02/2		2.04				-
	(2021		102	2.00	1.06	
Toluene* <0.050 0.050 07/02/	/2021 ND	2.15	108	2.00	3.56	
Ethylbenzene* <0.050 0.050 07/02/	/2021 ND	2.08	104	2.00	3.14	
Total Xylenes* <0.150 0.150 07/02/	/2021 ND	6.12	102	6.00	4.40	
Total BTEX <0.300 0.300 07/02/	/2021 ND					
Surrogate: 4-Bromofluorobenzene (PID 103 % 69.9-140						
Chloride, SM4500Cl-B mg/kg A	Analyzed By: AC					
Analyte Result Reporting Limit Analyz	zed Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride <16.0 16.0 07/02/3	/2021 ND	448	112	400	0.00	
TPH 8015M mg/kg A	Analyzed By: MS					
Analyte Result Reporting Limit Analyz	zed Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10* <10.0 10.0 07/06/3	/2021 ND	233	116	200	1.16	
DRO >C10-C28* <10.0 10.0 07/06/	/2021 ND	227	114	200	1.89	
EXT DRO >C28-C36 <10.0 10.0 07/06/3	/2021 ND					
Surrogate: 1-Chlorooctane 103 % 44.3-133						
Surrogate: 1-Chlorooctadecane 111 % 38.9-142						

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Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/30/2021 Sampling Date: 06/30/2021

Reported: 07/07/2021 Sampling Type: Soil

Project Name: CLFCA Sampling Condition: Cool & Intact
Project Number: CLFCA WATER TRANSFER LINE Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: H 3 (H211703-15)

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	07/02/2021	ND	2.04	102	2.00	1.06	
Toluene*	<0.050	0.050	07/02/2021	ND	2.15	108	2.00	3.56	
Ethylbenzene*	<0.050	0.050	07/02/2021	ND	2.08	104	2.00	3.14	
Total Xylenes*	<0.150	0.150	07/02/2021	ND	6.12	102	6.00	4.40	
Total BTEX	<0.300	0.300	07/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/02/2021	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2021	ND	233	116	200	1.16	
DRO >C10-C28*	<10.0	10.0	07/06/2021	ND	227	114	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	07/06/2021	ND					
Surrogate: 1-Chlorooctane	108	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	118	% 38.9-14	2						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

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

Fax To: (575) 393-2432

Received: 06/30/2021 Sampling Date: 06/30/2021

Reported: 07/07/2021 Sampling Type: Soil

Project Name: CLFCA Sampling Condition: Cool & Intact Project Number: CLFCA WATER TRANSFER LINE Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: H 4 (H211703-16)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/02/2021	ND	2.04	102	2.00	1.06	
Toluene*	<0.050	0.050	07/02/2021	ND	2.15	108	2.00	3.56	
Ethylbenzene*	<0.050	0.050	07/02/2021	ND	2.08	104	2.00	3.14	
Total Xylenes*	<0.150	0.150	07/02/2021	ND	6.12	102	6.00	4.40	
Total BTEX	<0.300	0.300	07/02/2021	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 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	07/02/2021	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/06/2021	ND	233	116	200	1.16	
DRO >C10-C28*	<10.0	10.0	07/06/2021	ND	227	114	200	1.89	
EXT DRO >C28-C36	<10.0	10.0	07/06/2021	ND					
Surrogate: 1-Chlorooctane	105 9	% 44.3-13	3						
Surrogate: 1-Chlorooctadecane	113 9	38.9-14	2						

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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.

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

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

Date: Time:

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

Corrected Temp. °C Observed Temp. °C 3.

Cool Intact
Aves Aves
No No Sample Condition

> CHECKED BY: (Initials)

> > Turnaround Time:

Standard Rush

Bacteria (only) Sample Condition
Cool Intact Observed Temp.

| Yes Yes No Corrected Temp.

Observed Temp. °C Corrected Temp. °C

REMARKS:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

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

Company Name:	5		711						
Project Manager:	Noac C		BO#	10		-	ANALYSIS R	REQUEST	
Address:	SOO SINGON	2	Company				x x		
city: Hobbs	State:	ONE XX :diz [11]	Attn:			,			
Phone #:	Fax #:		Address:					_	3
Project #:	Project Owner:		City:				, .		
Project Name:			State: Zip:			5			
Project Location:	CLECK Winter transfer line	for line	#						
Sampler Name:	Less Ourse de		Fax #:			_		•	
FOR LAB USE ONLY	9	MATRIX	PRESERV	SAMPLING					, c
		RS TER	· · · · · · · · · · · · · · · · · · ·		H				
H211703	Sample I.D.	(G)R B OR ((# CONTAINE GROUNDWA WASTEWATE SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE COOL OTHER:	DATE TIME	CI Ext TI	BTEX			•
J ~	op la Surfucu	- 6	1 61	130 1:46	- 1	-1			
W	SPIONS			3.5					
4	P106			123		_			
CA.	PI @X			USU					
7-6	SP2 Surfem			1166					
8	P20,0,0			200		_			
9	P206	- x		8:0		-			
10 C	SPJ QV'	611		2:04	1	1			
analyses. All claims including those for ne service. In no event shall Cardinal be liable affiliates or successors arising out of or rel	Sardinal's liability and clic gligence and any other e for incidental or conse ated to the porformance	ant's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount recause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days a quental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by claims are shall be deemed waived unless made in the profits of the above stated of start, as thereunder by Cardinal, regardless of whether such claim is based unon any of the above stated of start, as thereunder by Cardinal, regardless of whether such claim is based unon any of the above stated.	or tort, shall be limited to the amo received by Cardinal within 30 di sso of use, or loss of profits incur is based upon any of the above st	ount paid by the client for the ays after completion of the a red by client, its subsidiaries tated processes or alternation	applicable				
21	5	Received By:		-	lt: ☐ Yes re emailed.	☐ No Please provi	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:		
Refinquished By:	Date:	Received Byllaho	Ellerator	REMARKS:					,
				The state of the s					

Thermometer ID #113
Correction Factor None

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

Observed Temp. °C Corrected Temp. °C

Sample Condition
Cool Intact
Pes Pes
No No

CHECKED BY: 40 (Initials)

Turnaround Time:

Standard Rush

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

Yes Yes
No Corrected Temp. °C

Time:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

(0,0) 000 2020 1 700 (0,0) 000-	2470						
Company Name: Apuel		BILL TO			ANALYSIS REC	REQUEST	
Project Manager: John Kong	F	P.O. #:					
Address:		Company:					
City: Holds State: N. M.	State: N. Zip: 28340 A	Attn:	×				
Phone #: Fax #:	j	Address:					
Project #: Project Owner:		City:					
Project Name:	S	State: Zip:		4		1	1
on: CLFCA I waster T	711	#		1		1	
Shirt 3 6) F	Fax #:					
	MATRIX	ECERV	SAMPI ING		Án		1
	S ER			H			
Lab I.D. Sample I.D. H211703	G)RAB OR (C) CONTAINER GROUNDWATI VASTEWATER COIL COIL CUUDGE CTHER:	CID/BASE: / COOL THER :	<u>ا</u>	EXT TP BTEX			
11 Space 10	701	-(2:06	\			
12 SP2 @12	<u>କ</u>	1 020	200	1	,	4	
13 11) 	630	7	8			
\$ L3	<u>-</u>	230	X 05.6	4			
14 91	9) /	1 630	2:32.8	X			
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service. In no event shall Cardinate behalf or incidental or consequental damages, including without limitation, business interuptions, loss of use, or loss of profits incurred by client, its subsidiaries of the control of the cont	news emiscorer sine to common wared unless made in willing and received by claimals within 3d days after completion of the design damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiariation of services hereunder by Cardinal, regardless of which", reach claim is har ad upon any of the above stated reasons or otherwises.	eved by Cardinal within 30 days after of use, or loss of profits incurred by of the above stated re	r completion of the applicable lient, its subsidiaries, asons or otherwise.	•			
Relinquished By: Pates Times:	Received By:		Verbal Result: All Results are em	Verbal Result: ☐ Yes ☐ No ☐ Add'l Phone #: All Results are emailed. Please provide Email address:	Add'I Phone #: de Email address:		
Refinquished By: Date:	Received By:	Mus hu	REMARKS:				

Thermometer ID #113
Correction Factor None



August 06, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CLFCA

Enclosed are the results of analyses for samples received by the laboratory on 08/02/21 16:56.

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 JEFFREY BROOM 2350 W. MARLAND BLVD. HOBBS NM, 88240

Fax To: (575) 393-2432

Received: 08/02/2021 Sampling Date: 08/02/2021

Reported: 08/06/2021 Sampling Type: Soil

Project Name: CLFCA Sampling Condition: Cool & Intact
Project Number: CLFCA WATER TRANSFER Sample Received By: Tamara Oldaker

Project Location: NOT GIVEN

Sample ID: SP 2 @ 15' (H212035-01)

Chloride, SM4500CI-B	mg/	'kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14600	16.0	08/04/2021	ND	432	108	400	3.77	
Sample ID: SP 2 @ 20' (H	1212035-02)								
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	19000	16.0	08/04/2021	ND	432	108	400	3.77	
Sample ID: SP 2 @ 25' (H	1212035-03)								
• • •	1212035-03) mg/	'kg	Analyze	d By: AC					
Sample ID: SP 2 @ 25' (In Chloride, SM4500Cl-B Analyte	-	/kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride, SM4500CI-B	mg/		-	-	BS 432	% Recovery	True Value QC 400	RPD 3.77	Qualifier
Chloride, SM4500CI-B Analyte	mg/ Result 15400	Reporting Limit	Analyzed	Method Blank		•	·		Qualifier
Chloride, SM4500Cl-B Analyte Chloride	mg/ Result 15400	Reporting Limit	Analyzed 08/04/2021	Method Blank		•	·		Qualifier
Chloride, SM4500Cl-B Analyte Chloride Sample ID: SP 2 @ 30' (F	mg/ Result 15400 H212035-04)	Reporting Limit	Analyzed 08/04/2021	Method Blank ND		•	·		Qualifier

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Celey D. Keine



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

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Freene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393	(575) 393-2326 FAX (575) 393-2476		ANI		
Company Name:		BILL TO	AW	ANALTSIS REGOEST	1
Project Manager: \acksig		P.O. #:			
Address:		Company:			
City: Hallos	State: N. N. Zip: 88210	Attn:			
Phone #:	Fax#:	Address:		v	
Project #:	Project Owner:	City:			
Project Name:		State: Zip:			
Project Location: M M V	A Liverty transfer	Phone #:		•	
Sampler Name:		Fax #:		37	
Sampler Name: () 39 ()	MATRIX	PRESERV. SAMPLING		× × × × × × × × × × × × × × × × × × ×	
Lab I.D. Sa	G)RAB OR (C)OMP. CONTAINERS GROUNDWATER WASTEWATER SOIL	SLUDGE OTHER: ACID/BASE: CE/ COOL OTHER:	C/		
Halaus 1 SPa 6	- # - V - V - S		Dia X X X X		
4 548	(S)	1 8/2	TX X NS.E		
	the new claim action whether based in contract or tort, shall be limited to the amount paid by the client for the	ract or tort, shall be limited to the amount pa	by the client for the		E
analyses. All claims including those for negliger service. In no event shall Cardinal be liable for i	TLEAGE NO. 15. Leading and Jerus and	and received by Cardinal within 30 days at ns, loss of use, or loss of profits incurred by	r completion of the applicable flent, its subsidiaries,		
effiliates or successors arising out of or related to the perform	to the parformance of services hereunder by Cardinal, regardless of whether second Py: Date: Received By:	ceived By:	lt: ☐ Yes ☐ No re emailed. Please provi	Add'l Phone #: de Email address:	
Relinquished By:	Date: Received By:	(Calour S	REMARKS:		
(Time:				
Delivered By: (Circle One)	Observed Temp. °C 2-8 Sample Condition Cool Intact	dition CHECKED BY:	Turnaround Time: Standard Rush Thermometer ID #113	Cool Intact Observed Temp. °C	



CLFCA Water Transfer Line
nAPP2114756542
Revegetation
And
Noxious Weed Plan

Revegetation Plan:

All the disturbed area in the pasture will be properly prepared and reseeded with BLM # 2. The disturbed area will be monitored to ensure successful revegetation is achieved. If revegetation is not successful after a couple of growing seasons the site will be reseeded.

Noxious Weed Plan:

Apache Corporation will treat noxious weeds if they become established within the area of remediation. Weed control will be maintained on the disturbed land where noxious weeds exist both prior to remediation and restoration. Apache Corporation will consult with the Authorized Officer for acceptable weed control methods.



I. Soil Treatment Plan

RXSoil's core process of on-site remediation will be used to address the contamination. RXSoil will supervise all excavation with approval from area utilities owners via NM 811.

RXSoil will construct an above-ground treatment cell (see below for potential cell placement). Berms will be constructed around the perimeter of the cell area. A 20-mil reinforced poly liner will be placed on the surface and up the sides of the berms to contain treatment. A proprietary drainage and collection system will be installed prior to filling the cells. All contaminated soil will be placed in the contained treatment cell for treatment. It is estimated 100 cubic yards will require remediation.

Once all contaminated material is in the treatment cell, chemical and biological treatment will begin. To confirm successful treatment, confirmation samples will be gathered from the bottom 12" of the treated soil with one sample representing no more than 100 cubic yards as agreed upon in previous work. If a sample were to test above threshold, treatment would continue in that area until the soil tested clean, per strictest Table I guidelines for impacted soils. Once all soil is confirmed below Table I thresholds, soil will be backfilled, and the treatment cell will be demobilized.



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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 60335

CONDITIONS

Operator:	OGRID:
APACHE CORPORATION	873
303 Veterans Airpark Ln	Action Number:
Midland, TX 79705	60335
	Action Type:
	[C-141] Release Corrective Action (C-141)

CONDITIONS

(Created By	Condition	Condition Date
	rhamlet	The Amended Remediation Plan is Conditionally Approved. All off pad areas must contain a minimum of 4 feet non-waste containing uncontaminated, earthen material with chloride concentrations less than 600 mg/kg and less than 100 mg/kg for TPH. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Sidewall and floor samples should represent no more than 200 ft2. The variance to install a 20 mil reinforced liner at 4 feet is conditional on meeting closure soil sample criteria standards at a depth 4 feet. If chlorides are above 20,000 mg/kg, contaminated soil must be excavated until it meets closure criteria. The RXSOILS soil treatment cell is approved with samples representing no more than 200 cubic feet. The work will need to occur in 90 days after the work plan has been approved.	3/17/2022