

Incident ID	NAPP2107730944
District RP	
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

- Detailed description of proposed remediation technique
- Scaled sitemap with GPS coordinates showing delineation points
- Estimated volume of material to be remediated
- Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: Each of the following items must be confirmed as part of any request for deferral of remediation.

- Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- Extents of contamination must be fully delineated.
- Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: Larry Baker Title: Environmental Tech SR.
 Signature: Larry Baker Date: 6/15/2021
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: Robert Hamlet Date: 3/17/2022

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: Robert Hamlet Date: 3/17/2022



303 Veterans Airpark Lane Midland, TX 79705

Amended Remediation Plan

November 4, 2021

Re: CLFCA Trunk Line
Case nAPP2107730944

Background:

On 3/09/2021 a release occurred due to a 4 inch metal grooved transition developed a pin hole due to external corrosion. The release (GPS: 32.823125, -103.976782) is located north of Loco Hills, New Mexico in unit letter G section 21 township 17S range 30E. On 6/8/2021 a soil bore was conducted 90 feet east of the release. The soil bore was advanced to a depth of 110 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 110 feet.

On 4/29/2021 vertical delineation was conducted utilizing a backhoe to a depth of 10 feet. All samples collected were submitted to a commercial laboratory for analysis of chloride, TPH, and BTEX. On 4/30/2021 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 5/10/2021, 6/1/2021, and 6/8/2021 further delineation was conducted at SP1 utilizing a backhoe, excavator, and soil bore rig. SP 1 was advanced to a depth of 70 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 install a 20 mil reinforced liner. 5 point wall composite samples will be collected not to exceed 200 square feet. All excavated soil (340 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, Field Notes, Noxious Weed and Revegetation Plan, and RXSOILS Treatment Details.

Submitted by;

Bruce Baker

Environmental Technician
larry.baker@apachecorp.com
Cell# 432-631-6982

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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?	<u>>110</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> 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?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

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 wells.
- 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

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.

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Signature: Larry Baker Date: 6/15/2021

email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

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Remediation Plan

Remediation Plan Checklist: Each of the following items must be included in the plan.

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- Extents of contamination must be fully delineated.
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Printed Name: Larry Baker Title: Environmental Tech SR.
 Signature: Larry Baker Date: 6/15/2021
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

OCD Only

Received by: _____ Date: _____

- Approved Approved with Attached Conditions of Approval Denied Deferral Approved

Signature: _____ Date: _____

CLFCA Trunk Line Volume Calculation

542.03 cubic feet of soil contamination x 7.48 gallons per cubic foot = 4,054.40 gallons/42 gallons to a barrel= 96 barrels X .40 soil porosity= *42 = x .40= 38 released + 45 recovered = 83 barrels.

Please Select a Coordinate System and enter the coordinates:

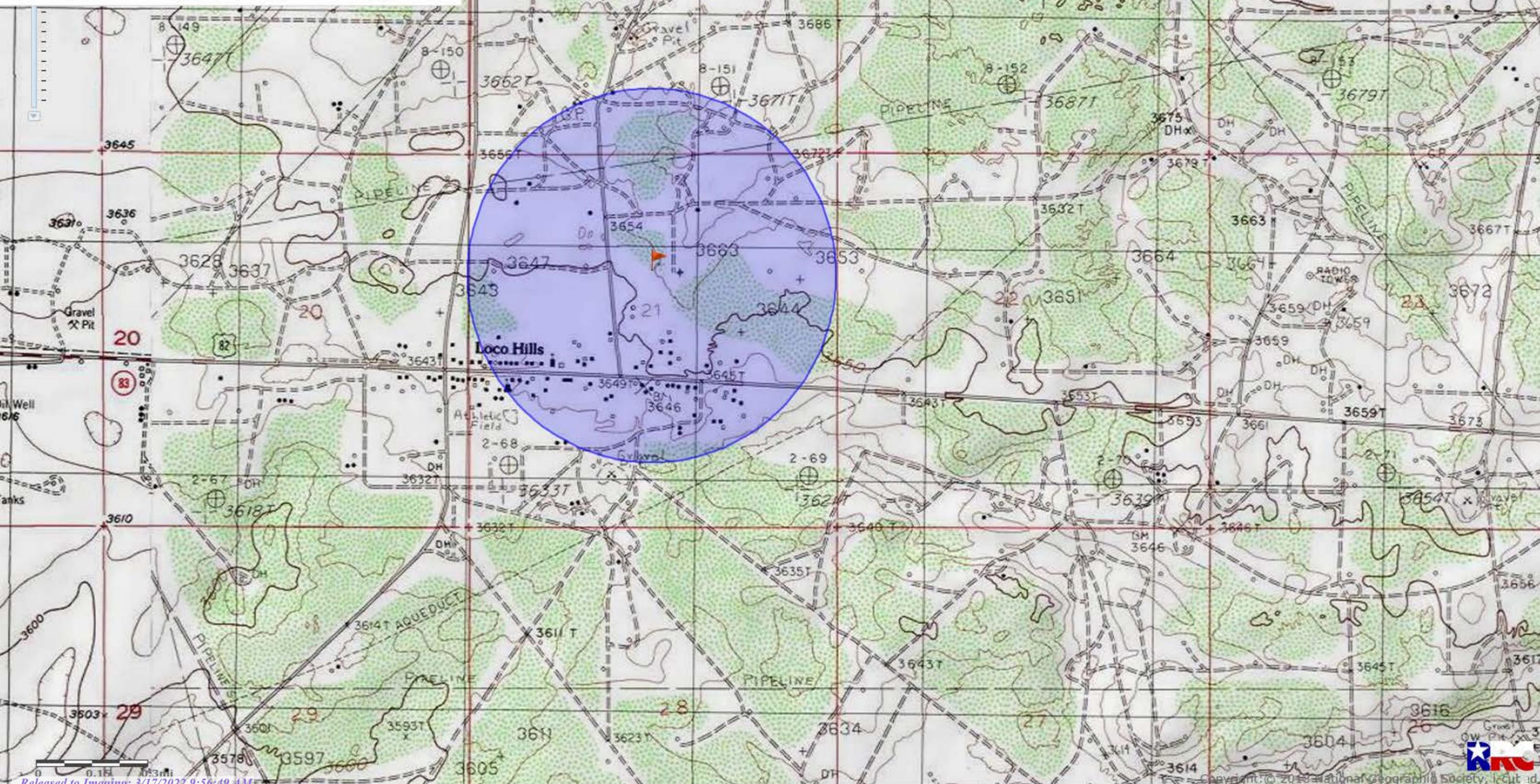
GCS_WGS_1984

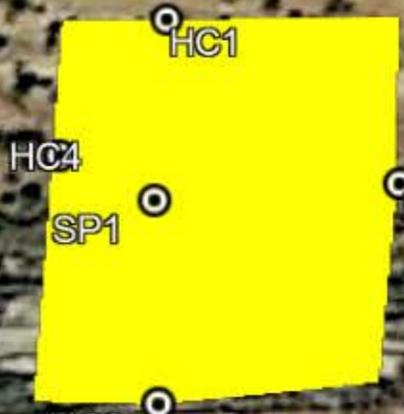
32.823125 -103.976782 Show

Radius

Buffer Size (miles) : 0.5

Click Map to Draw Radius





HC1

HC4

SP1

HC3

HC 2

SB

© 2021 Google

Google Earth

60 ft

Sample Date	Sample ID	Depth	Field Chloride	Chloride	Benzene	Toulene	Ethybenzene	Total Xylenes	Total BTEX	GRO	DRO	EXT DRO	GPS Coordinates
Delineation Samples													
4/29/2021	SP 1	S		15,600	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.8231162, -103.9769067
4/29/2021		2'		27,300	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
4/29/2021		4'		17,800	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
4/29/2021		6'		11,600	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
4/29/2021		8'		11,300	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
4/29/2021		10'		16,600	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	
5/10/2021		12'		17,600									
5/10/2021		14'		16,200									
5/10/2021		15'		14,000									
6/1/2021		17'		9,360									
6/1/2021		19'		11,800									
6/1/2021		20'		12,000									
6/8/2021		25'		10,600									
6/8/2021		30'		7,330									
6/8/2021		35'		8,200									
6/8/2021		40'		3,280									
6/8/2021		45'		352									
6/8/2021		50'		1,220									
6/8/2021		55'		6,530									
6/8/2021		60'		4,560									
6/8/2021		65'		1,580									
6/8/2021		70'		352									
Horizontal Samples													
4/30/2021	H1	S		<16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.8231951, -103.9769100
4/30/2021	H2	S		<16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.8231221, -103.9768078
4/30/2021	H3	S		112	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.8230323, -103.9768960
4/30/2021	H4	S		16.0	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	32.8231376, -103.9769439



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

May 04, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CLFCA TRUNK LINE

Enclosed are the results of analyses for samples received by the laboratory on 04/29/21 16:43.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/29/2021	Sampling Date:	04/29/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ SURFACE (H211108-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/30/2021	ND	2.12	106	2.00	5.85	
Toluene*	<0.050	0.050	04/30/2021	ND	2.06	103	2.00	6.14	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	2.02	101	2.00	5.47	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.97	99.6	6.00	5.09	
Total BTEX	<0.300	0.300	04/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	15600	16.0	05/03/2021	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	04/30/2021	ND	206	103	200	1.49	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	215	107	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					

Surrogate: 1-Chlorooctane 74.5 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.9 % 38.9-142

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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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:	04/29/2021	Sampling Date:	04/29/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 2' (H211108-02)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/30/2021	ND	2.12	106	2.00	5.85	
Toluene*	<0.050	0.050	04/30/2021	ND	2.06	103	2.00	6.14	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	2.02	101	2.00	5.47	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.97	99.6	6.00	5.09	
Total BTEX	<0.300	0.300	04/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	27200	16.0	05/03/2021	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	04/30/2021	ND	206	103	200	1.49	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	215	107	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					

Surrogate: 1-Chlorooctane 70.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 65.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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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:	04/29/2021	Sampling Date:	04/29/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 4' (H211108-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/30/2021	ND	2.12	106	2.00	5.85	
Toluene*	<0.050	0.050	04/30/2021	ND	2.06	103	2.00	6.14	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	2.02	101	2.00	5.47	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.97	99.6	6.00	5.09	
Total BTEX	<0.300	0.300	04/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17800	16.0	05/03/2021	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	04/30/2021	ND	206	103	200	1.49	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	215	107	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					

Surrogate: 1-Chlorooctane 75.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 72.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	04/29/2021	Sampling Date:	04/29/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 6' (H211108-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/30/2021	ND	2.12	106	2.00	5.85	
Toluene*	<0.050	0.050	04/30/2021	ND	2.06	103	2.00	6.14	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	2.02	101	2.00	5.47	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.97	99.6	6.00	5.09	
Total BTEX	<0.300	0.300	04/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11600	16.0	05/03/2021	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	04/30/2021	ND	206	103	200	1.49	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	215	107	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					

Surrogate: 1-Chlorooctane 75.4 % 44.3-133

Surrogate: 1-Chlorooctadecane 75.7 % 38.9-142

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* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/29/2021	Sampling Date:	04/29/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 8' (H211108-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/30/2021	ND	2.12	106	2.00	5.85	
Toluene*	<0.050	0.050	04/30/2021	ND	2.06	103	2.00	6.14	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	2.02	101	2.00	5.47	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.97	99.6	6.00	5.09	
Total BTEX	<0.300	0.300	04/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11300	16.0	05/03/2021	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	04/30/2021	ND	206	103	200	1.49	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	215	107	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					

Surrogate: 1-Chlorooctane 71.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 71.7 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/29/2021	Sampling Date:	04/29/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 10' (H211108-06)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/30/2021	ND	2.12	106	2.00	5.85	
Toluene*	<0.050	0.050	04/30/2021	ND	2.06	103	2.00	6.14	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	2.02	101	2.00	5.47	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.97	99.6	6.00	5.09	
Total BTEX	<0.300	0.300	04/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16600	16.0	05/03/2021	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	04/30/2021	ND	206	103	200	1.49	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	215	107	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					

Surrogate: 1-Chlorooctane 74.6 % 44.3-133

Surrogate: 1-Chlorooctadecane 74.2 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
** Samples not received at proper temperature of 6°C or below.
*** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Pepper Broom Project Manager: Jeff Broom		P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: NM zip: 88240 Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: _____ Project Location: CLECE Tank line Sampler Name: see container for FOR LAB USE ONLY		BILL TO P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____		ANALYSIS REQUEST	
Address: _____ City: Mobbs State: NM zip: 88240 Phone #: _____ Fax #: _____ Project #: _____ Project Owner: _____ Project Name: _____ Project Location: _____ Sampler Name: _____	Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C: 5.7 Corrected Temp. °C: _____ FCKM9007-K31000720	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No CHECKED BY: (Initials) JS	Turnaround Time: _____ Thermometer ID #113 Correction Factor None Standard <input checked="" type="checkbox"/> Rush Bacteria (only) <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Sample Condition <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C _____ Corrected Temp. °C _____	REMARKS: _____ Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____			
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Relinquished By: _____ Date: 4/29 Time: 9:48 Received By: _____ Date: _____ Time: _____							
Lab I.D. HALL108 Sample I.D. _____ (G)RMB OR (C)OMP. _____ # CONTAINERS _____ GROUNDWATER _____ WASTEWATER _____ SOIL _____ OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ (ICE) COOL _____ OTHER: _____	DATE _____ TIME _____ DATE _____ TIME _____ DATE _____ TIME _____ DATE _____ TIME _____ DATE _____ TIME _____	SAMPLING _____ SAMPLING _____ SAMPLING _____ SAMPLING _____ SAMPLING _____	PH _____ PH _____ PH _____ PH _____ PH _____	BTEX _____ BTEX _____ BTEX _____ BTEX _____ BTEX _____	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____	_____ _____ _____ _____ _____



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

May 04, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CLFCA TRUNK LINE

Enclosed are the results of analyses for samples received by the laboratory on 04/30/21 10:32.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/30/2021	Sampling Date:	04/30/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	CLFCA TRUNKLINE (T.L.)	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: H 1 (H211110-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/30/2021	ND	2.01	101	2.00	3.12	
Toluene*	<0.050	0.050	04/30/2021	ND	2.07	103	2.00	0.209	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	2.07	103	2.00	1.80	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.84	97.4	6.00	0.548	
Total BTEX	<0.300	0.300	04/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	05/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/30/2021	ND	206	103	200	0.353	
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	200	100	200	0.983	
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.3-133

Surrogate: 1-Chlorooctadecane 80.4 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/30/2021	Sampling Date:	04/30/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	CLFCA TRUNKLINE (T.L.)	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: H 2 (H211110-02)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/30/2021	ND	2.01	101	2.00	3.12		
Toluene*	<0.050	0.050	04/30/2021	ND	2.07	103	2.00	0.209		
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	2.07	103	2.00	1.80		
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.84	97.4	6.00	0.548		
Total BTEX	<0.300	0.300	04/30/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	05/03/2021	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/30/2021	ND	206	103	200	0.353		
DRO >C10-C28*	<10.0	10.0	04/30/2021	ND	200	100	200	0.983		
EXT DRO >C28-C36	<10.0	10.0	04/30/2021	ND						

Surrogate: 1-Chlorooctane 93.2 % 44.3-133

Surrogate: 1-Chlorooctadecane 89.0 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/30/2021	Sampling Date:	04/30/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	CLFCA TRUNKLINE (T.L.)	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: H 3 (H211110-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/30/2021	ND	2.01	101	2.00	3.12	
Toluene*	<0.050	0.050	04/30/2021	ND	2.07	103	2.00	0.209	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	2.07	103	2.00	1.80	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.84	97.4	6.00	0.548	
Total BTEX	<0.300	0.300	04/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	05/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2021	ND	390	97.5	400	0.442	
DRO >C10-C28*	<10.0	10.0	05/03/2021	ND	344	86.0	400	0.466	
EXT DRO >C28-C36	<10.0	10.0	05/03/2021	ND					

Surrogate: 1-Chlorooctane 63.0 % 44.3-133

Surrogate: 1-Chlorooctadecane 60.9 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/30/2021	Sampling Date:	04/30/2021
Reported:	05/04/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	CLFCA TRUNKLINE (T.L.)	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: H 4 (H211110-04)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/30/2021	ND	2.01	101	2.00	3.12	
Toluene*	<0.050	0.050	04/30/2021	ND	2.07	103	2.00	0.209	
Ethylbenzene*	<0.050	0.050	04/30/2021	ND	2.07	103	2.00	1.80	
Total Xylenes*	<0.150	0.150	04/30/2021	ND	5.84	97.4	6.00	0.548	
Total BTEX	<0.300	0.300	04/30/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/03/2021	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/03/2021	ND	390	97.5	400	0.442	
DRO >C10-C28*	<10.0	10.0	05/03/2021	ND	344	86.0	400	0.466	
EXT DRO >C28-C36	<10.0	10.0	05/03/2021	ND					

Surrogate: 1-Chlorooctane 69.9 % 44.3-133

Surrogate: 1-Chlorooctadecane 68.6 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Pepper
 Project Manager: Jeff Brown
 Address: _____
 City: Hobbs State: NM Zip: 88240
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: _____
 Project Location: USDA Tank Line (T.L.)
 Sampler Name: Joe [unclear]
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	SAMPLING	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	OTHER :				
<u>A21110</u>															
	<u>1 H1</u>		<u>1</u>								<u>4/30</u>	<u>9:10</u>	<u>X</u>	<u>X</u>	<u>EXT. TANK</u>
	<u>2 H2</u>		<u>1</u>								<u>4/30</u>	<u>9:12</u>	<u>X</u>	<u>X</u>	<u>EXT. TANK</u>
	<u>3 H3</u>		<u>1</u>								<u>4/30</u>	<u>9:14</u>	<u>X</u>	<u>X</u>	<u>EXT. TANK</u>
	<u>4 H4</u>		<u>1</u>								<u>4/30</u>	<u>9:16</u>	<u>X</u>	<u>X</u>	<u>EXT. TANK</u>

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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated causes of action.

Relinquished By: _____ Date: 4/30
 Relinquished By: _____ Date: 10:52
 Received By: _____
 Verbal Results: Yes No Add'l Phone #: _____
 All Results are emailed. Please provide Email address: _____

Delivered By: (Circle One) Observed Temp. °C 4.5 Sample Condition Cool Intact Yes No
 Sampler - UPS - Bus - Other: Corrected Temp. °C Yes No
 Turnaround Time: _____ Standard Rush
 Thermometer ID #113 Bacteria (only) Sample Condition Cool Intact Yes No Observed Temp. °C
 Correction Factor None Yes No Corrected Temp. °C

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



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

May 12, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CLFCA TRUNK LINE

Enclosed are the results of analyses for samples received by the laboratory on 05/10/21 13:30.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	05/10/2021	Sampling Date:	05/10/2021
Reported:	05/12/2021	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 12' (H211194-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17600	16.0	05/12/2021	ND	400	100	400	7.69	

Sample ID: SP 1 @ 14' (H211194-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16200	16.0	05/12/2021	ND	400	100	400	7.69	

Sample ID: SP 1 @ 15' (H211194-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	05/12/2021	ND	400	100	400	7.69	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Apex</u>	P.O. #:	BILL TO	ANALYSIS REQUEST
Project Manager: <u>Jill Bevan</u>	Company:		
Address:	Attn:		
City: <u>Hobbs</u>	Address:		
State: <u>NM</u> Zip: <u>88240</u>	City:		
Phone #:	State:		
Project #:	Zip:		
Project Name:	Phone #:		
Project Location: <u>CECA Truck Line</u>	Fax #:		
Sampler Name: <u>Joe C... ..</u>			

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICB/COOL		
<u>H21194</u>	<u>1 SP 1 018</u>	<u>0</u>	<u>1</u>								<u>5/10</u>	<u>10:20</u>	
	<u>2 SP 1 014</u>	<u>0</u>	<u>1</u>								<u>5/10</u>	<u>09:22</u>	
	<u>3 SP 1 015</u>	<u>0</u>	<u>1</u>								<u>5/10</u>	<u>10:48</u>	

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 analysis. 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 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>[Signature]</u>	Date: <u>5/10/2021</u>	Received By: <u>[Signature]</u>	Date: <u>5/10/2021</u>
Time: <u>1:30</u>	Time: <u>1:30</u>		

Delivered By: (Circle One)	Observed Temp. °C	Corrected Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	<u>9.4</u>		Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/>	<u>[Signature]</u>	<u>Standard</u>	<input checked="" type="checkbox"/>	Cool <input type="checkbox"/> Intact <input type="checkbox"/>	Observed Temp. °C
			Yes <input type="checkbox"/> No <input type="checkbox"/>				Yes <input type="checkbox"/> No <input type="checkbox"/>	Corrected Temp. °C



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

June 02, 2021

JEFFREY BROOM

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CLFCA FLOW LINE

Enclosed are the results of analyses for samples received by the laboratory on 06/01/21 15:35.

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/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/01/2021	Sampling Date:	06/01/2021
Reported:	06/02/2021	Sampling Type:	Soil
Project Name:	CLFCA FLOW LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

Sample ID: SP 1 @ 17' (H211387-01)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9360	16.0	06/02/2021	ND	416	104	400	3.92	

Sample ID: SP 1 @ 19' (H211387-02)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	11800	16.0	06/02/2021	ND	416	104	400	3.92	

Sample ID: SP 1 @ 20' (H211387-03)

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12000	16.0	06/02/2021	ND	416	104	400	3.77	QM-07

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Asche
 Project Manager: Jeff Brown
 Address: _____
 City: Hobbs State: NM Zip: 88240
 Phone #: _____ Fax #: _____
 Project #: _____ Project Owner: _____
 Project Name: _____
 Project Location: USGA Floor line
 Sampler Name: Dr. Quisenberry, Jr.
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	OTHER :			
<u>H21387</u>	<u>SP1 @ 17'</u>	<u>0</u>	<u>1</u>			<u>1</u>					<u>6/1</u>	<u>11:00</u>	<u>X</u>	
	<u>2 SP1 @ 19'</u>	<u>0</u>	<u>1</u>			<u>1</u>					<u>6/1</u>	<u>11:00</u>	<u>X</u>	
	<u>3 SP1 @ 20'</u>	<u>0</u>	<u>1</u>			<u>1</u>					<u>6/1</u>	<u>11:00</u>	<u>X</u>	

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Relinquished By: _____ Date: 6/1/21 Received By: Barbara Altabe
 Relinquished By: Steve Tweeddale Date: 3:55 pm Received By: _____
 Time: _____

Delivered By: (Circle One) Observed Temp. °C 46 Sample Condition Intact CHECKED BY: AE
 Cooler Yes Intact Yes (Initials)
 Sampler - UPS - Bus - Other: _____ Corrected Temp. °C _____

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



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

June 10, 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 06/08/21 16:30.

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 accredited 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)

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



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

Analytical Results For:

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

Project: CLFCA
Project Number: NONE GIVEN
Project Manager: JEFFREY BROOM
Fax To: (575) 393-2432

Reported:
10-Jun-21 09:56

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SP 1 @ 25'	H211482-01	Soil	08-Jun-21 12:04	08-Jun-21 16:30
SP 1 @ 30'	H211482-02	Soil	08-Jun-21 12:06	08-Jun-21 16:30
SP 1 @ 35'	H211482-03	Soil	08-Jun-21 12:08	08-Jun-21 16:30
SP 1 @ 40'	H211482-04	Soil	08-Jun-21 12:10	08-Jun-21 16:30
SP 1 @ 45'	H211482-05	Soil	08-Jun-21 12:12	08-Jun-21 16:30
SP 1 @ 50'	H211482-06	Soil	08-Jun-21 12:14	08-Jun-21 16:30
SP 1 @ 55'	H211482-07	Soil	08-Jun-21 12:16	08-Jun-21 16:30
SP 1 @ 60'	H211482-08	Soil	08-Jun-21 12:18	08-Jun-21 16:30
SP 1 @ 65'	H211482-09	Soil	08-Jun-21 12:20	08-Jun-21 16:30
SP 1 @ 70'	H211482-10	Soil	08-Jun-21 12:22	08-Jun-21 16:30

06/10/21 - Client changed the project name. This is the revised report and will replace the one sent on 06/09/21.

Cardinal Laboratories

* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240	Project: CLFCA Project Number: NONE GIVEN Project Manager: JEFFREY BROOM Fax To: (575) 393-2432	Reported: 10-Jun-21 09:56
---	--	------------------------------

**SP 1 @ 25'
H211482-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	10600		16.0	mg/kg	4	1060906	GM	09-Jun-21	4500-Cl-B	
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Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240	Project: CLFCA Project Number: NONE GIVEN Project Manager: JEFFREY BROOM Fax To: (575) 393-2432	Reported: 10-Jun-21 09:56
---	--	------------------------------

SP 1 @ 30'
H211482-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	7330		16.0	mg/kg	4	1060906	GM	09-Jun-21	4500-CI-B	
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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 or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240	Project: CLFCA Project Number: NONE GIVEN Project Manager: JEFFREY BROOM Fax To: (575) 393-2432	Reported: 10-Jun-21 09:56
---	--	------------------------------

SP 1 @ 35'
H211482-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	8200		16.0	mg/kg	4	1060906	GM	09-Jun-21	4500-CI-B	
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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 or any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240	Project: CLFCA Project Number: NONE GIVEN Project Manager: JEFFREY BROOM Fax To: (575) 393-2432	Reported: 10-Jun-21 09:56
---	--	------------------------------

SP 1 @ 40'
H211482-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories

Inorganic Compounds

Chloride	3280		16.0	mg/kg	4	1060906	GM	09-Jun-21	4500-CI-B	
-----------------	-------------	--	------	-------	---	---------	----	-----------	-----------	--

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240	Project: CLFCA Project Number: NONE GIVEN Project Manager: JEFFREY BROOM Fax To: (575) 393-2432	Reported: 10-Jun-21 09:56
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SP 1 @ 45'
H211482-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	352		16.0	mg/kg	4	1060906	GM	09-Jun-21	4500-CI-B	
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Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240	Project: CLFCA Project Number: NONE GIVEN Project Manager: JEFFREY BROOM Fax To: (575) 393-2432	Reported: 10-Jun-21 09:56
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SP 1 @ 50'
H211482-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	1220		16.0	mg/kg	4	1060906	GM	09-Jun-21	4500-CI-B	
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Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240	Project: CLFCA Project Number: NONE GIVEN Project Manager: JEFFREY BROOM Fax To: (575) 393-2432	Reported: 10-Jun-21 09:56
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**SP 1 @ 55'
H211482-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	6530		16.0	mg/kg	4	1060907	GM	09-Jun-21	4500-CI-B	QM-07
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Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240	Project: CLFCA Project Number: NONE GIVEN Project Manager: JEFFREY BROOM Fax To: (575) 393-2432	Reported: 10-Jun-21 09:56
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SP 1 @ 60'
H211482-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	4560		16.0	mg/kg	4	1060907	GM	09-Jun-21	4500-CI-B	
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Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240	Project: CLFCA Project Number: NONE GIVEN Project Manager: JEFFREY BROOM Fax To: (575) 393-2432	Reported: 10-Jun-21 09:56
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**SP 1 @ 65'
H211482-09 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Chloride	1580		16.0	mg/kg	4	1060907	GM	09-Jun-21	4500-CI-B	

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Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240	Project: CLFCA Project Number: NONE GIVEN Project Manager: JEFFREY BROOM Fax To: (575) 393-2432	Reported: 10-Jun-21 09:56
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**SP 1 @ 70'
H211482-10 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories

Inorganic Compounds

Chloride	352		16.0	mg/kg	4	1060907	GM	09-Jun-21	4500-CI-B	
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Analytical Results For:

APACHE CORP - HOBBS 2350 W. MARLAND BLVD. HOBBS NM, 88240	Project: CLFCA Project Number: NONE GIVEN Project Manager: JEFFREY BROOM Fax To: (575) 393-2432	Reported: 10-Jun-21 09:56
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Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 1060906 - 1:4 DI Water										
Blank (1060906-BLK1) Prepared & Analyzed: 09-Jun-21										
Chloride	ND	16.0	mg/kg							
LCS (1060906-BS1) Prepared & Analyzed: 09-Jun-21										
Chloride	400	16.0	mg/kg	400		100	80-120			
LCS Dup (1060906-BSD1) Prepared & Analyzed: 09-Jun-21										
Chloride	416	16.0	mg/kg	400		104	80-120	3.92	20	
Batch 1060907 - 1:4 DI Water										
Blank (1060907-BLK1) Prepared & Analyzed: 09-Jun-21										
Chloride	ND	16.0	mg/kg							
LCS (1060907-BS1) Prepared & Analyzed: 09-Jun-21										
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (1060907-BSD1) Prepared & Analyzed: 09-Jun-21										
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

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Notes and Definitions

- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Aspen Room P.O. #: _____
 Project Manager: Jeff Brown Company: _____
 Address: _____ Attn: _____
 City: Hobbs State: NM Zip: 88240 Address: _____
 Phone #: _____ Fax #: _____ City: _____
 Project #: _____ Project Owner: _____ State: _____ Zip: _____
 Project Name: _____
 Project Location: CEFCO OLEFCA * Phone #: _____
 Sampler Name: See Analysis Report Fax #: _____
 FOR LAB USE ONLY

Lab I.D.	Sample I.D.	G/RAB OR COMP	# CONTAINERS	MATRIX						DATE	TIME	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
<u>H21482</u>	<u>SP1 @ 25'</u>	<u>1</u>	<u>1</u>						<u>12/08</u>	<u>12:04</u>	<u>X</u>	
	<u>SP1 @ 30'</u>	<u>1</u>	<u>1</u>						<u>12/08</u>	<u>12:06</u>	<u>X</u>	
	<u>SP1 @ 35'</u>	<u>1</u>	<u>1</u>						<u>12/10</u>	<u>12:08</u>	<u>X</u>	
	<u>SP1 @ 40'</u>	<u>1</u>	<u>1</u>						<u>12/10</u>	<u>12:10</u>	<u>X</u>	
	<u>SP1 @ 45'</u>	<u>1</u>	<u>1</u>						<u>12/14</u>	<u>12:12</u>	<u>X</u>	
	<u>SP1 @ 50'</u>	<u>1</u>	<u>1</u>						<u>12/16</u>	<u>12:14</u>	<u>X</u>	
	<u>SP1 @ 55'</u>	<u>1</u>	<u>1</u>						<u>12/18</u>	<u>12:16</u>	<u>X</u>	
	<u>SP1 @ 60'</u>	<u>1</u>	<u>1</u>						<u>12/20</u>	<u>12:18</u>	<u>X</u>	
	<u>SP1 @ 70'</u>	<u>1</u>	<u>1</u>						<u>12/22</u>	<u>12:20</u>	<u>X</u>	

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Relinquished By: [Signature] Date: 12/10/21 Received By: [Signature]
 Relinquished By: [Signature] Date: 12/10/21 Received By: [Signature]
 Time: _____
 Verbal Result: Yes No Add'l Phone #: _____
 All Results are emailed. Please provide Email address: _____

Delivered By: (Circle One) Observed Temp. °C 1.4 Sample Condition: Intact Cool Intact Yes No
 Sampler - UPS - Bus - Other: Corrected Temp. °C _____
 Turnaround Time: _____ Standard Rush
 Thermometer ID #113 Bacteria (only) Sample Condition: Yes No Yes No
 Correction Factor None Corrected Temp. °C _____

Apache ELFCA June 8 2021 Soil Boar

SPI @25' 11.2/30.0	2.63	2.67 = 7,019	Samel
SPI @30' 11.2/30.2	2.50	2.69 = 6,722	Samel
SPI @35' 11.0/30.2	2.11	2.74 = 5,779	wet sand
SPI @40' 11.1/30.2	1.18	2.72 = 3,208	wet sand
SPI @45' 11.1/30.2	0.81	2.72 = 2,202	wet sand
SPI @50' 11.1/30.3	0.70	2.72 = 1,903	wet sand
SPI @55' 11.0/30.0	1.05	2.72 = 2,855	wet sand
SPI @60' 11.1/30.0	0.42	2.70 = 13,33	wet sand
SPI @65' 11.0/30.2	0.25	2.74 = 684	wet sand
SPI @70' 11.3/30.3	.11	2.68 = 294	Dry sand

SP2 @ surface 11.0/30.0	82.8231731	-103.9765221	
SP2 @5' 11.1/30.2	.03	2.72 = 81	
SP2 @10' 11.0/30.0	.03	2.72 = 81	



**CLFCA Trunk-Line
nAPP2107730944
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.

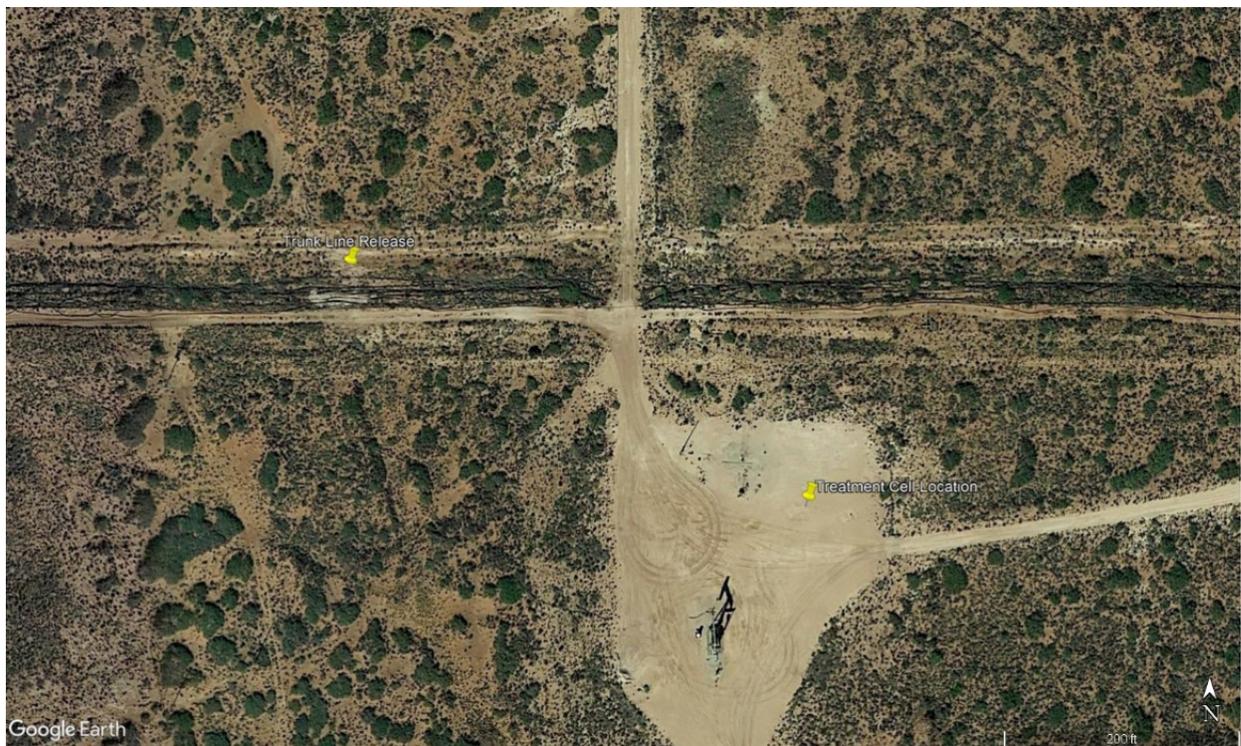


I. Soil Treatment Plan

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 340 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



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

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

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

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

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

CONDITIONS
 Action 60333

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 60333
	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 approved. 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