

Incident ID	nAPP2107730944
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Printed Name: Larry Baker Title: Environmental Tech Sr. Staff  
Signature: Larry Baker Date: 11/9/2022  
email: larry.baker@apachecorp.com Telephone: 432-215-2284

**OCD Only**

Received by: Robert Hamlet Date: 2/24/2023

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

Closure Approved by: Robert Hamlet Date: 2/24/2023  
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

## Closure Request



Apache Corporation

CLFCA Trunk Line

nAPP2107730944

RXSoil, Inc.  
201 Main St. Ste. 1360, Fort Worth, TX 76102

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RXSoil, Inc.

201 Main St. Ste. 1360, Fort Worth, TX 76102

## I. Introduction

On behalf of Apache Corporation, RXSoil, Inc. ("RXSoil") has prepared this closure request that describes remediation of the above-mentioned release.

The release occurred on 03/09/2021 in Unit Letter G, Section 21, Township 17S, Range 30E (see *Figure 1* for Vicinity Map) at approximate coordinates 32.82313, -103.97678. It was reported that 83 barrels of produced water were released, and 45 barrels of produced water were recovered during the initial response.

## II. Site Assessment/Characterization

1. **Site Map** – See *Figure 2*
2. **Depth to ground water** – A borehole was drilled to 110' at coordinates 32.82317, -103.976552 and left open for 72 hours to determine depth to groundwater for this remediation. The borehole was dry after 72 hours and then plugged. Groundwater for this project is >100'.
3. **Wellhead protection area** – There are no known water sources within a half mile of the release.
4. **Distance to nearest significant watercourse** – There is no known significant watercourse within a half mile of the release.
5. **Soil/waste characteristics** – An initial delineation was completed between 04/29/2021 and 06/08/2021, with all data provided in the approved Work Plan. The release was delineated down to a depth of 70'. Excavation activities are described below.

## III. Remediation Activities

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

RXSoil constructed an above-ground treatment cell adjacent to the contaminated area (see *Figure 2* for placement). Berms were built around the perimeter of the cell area. A 20-mil reinforced poly liner was placed on the surface and up the sides of the berms to contain treatment. A proprietary drainage and collection system was installed prior to filling the cells with the 1,950 cubic yards of contaminated soils from this release, nAPP2117355043, and nAPP2114756542.

Sidewall samples were delineated and excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Sidewall and floor samples represented no more than 200 square feet. Following excavation to 4' BGS, a liner was installed, as approved in the initial work plan. Sample locations are shown in *Figure 2* with a summary table of the results as *Appendix C* and third-party laboratory reports in *Appendix E*.

Once all contaminated material was in the treatment cell, treatment began. To confirm successful treatment, a grid of confirmation samples was gathered at depth 36"-48" with one sample representing no more than 100 cubic yards. If a sample tested above threshold, treatment continued

RXSoil, Inc.

201 Main St. Ste. 1360, Fort Worth, TX 76102

in that area until the soil tests clean, per strictest Table I guidelines for impacted soils. All samples were transferred on ice to a third-party lab for confirmation testing using NMOCD approved testing methods. A summary table of these results are shown in *Appendix D* with third-party laboratory reports in *Appendix E*. Remediated soil was then backfilled, with photos shown in *Appendix F*.

Sidewall and bottom samples were taken using a stainless-steel hand shovel while remediation samples were taken using a stainless-steel bucket auger. All tools were decontaminated before each sample, as specified in *Field Equipment Cleaning and Decontamination* (EPA, 2015). This includes wiping the equipment clean, water-rinsing the equipment, washing the equipment in detergent and water, and rinsing the equipment in water.

Samples were temporarily transferred to a new plastic bag in the field. Once in a location safer for handling glass, the samples were transferred to glass jars, supplied by an approved laboratory. The threads on all jars were wiped clean to allow an air-tight seal. Samples were transferred on ice to a third-party laboratory to ensure tests were completed within 14 days (as recommended for EPA methods 8021B and 8015M).

#### **IV. Restoration, Reclamation and Re-Vegetation**

Following remediation, RXSoil prepared the pasture and reseeded with BLM #2. The disturbed area will be monitored to ensure revegetation is achieved.

Based on the information provided in this report, RXSoil and Apache Corporation are requesting closure for this incident.


RXSoil, Inc.

201 Main St. Ste. 1360, Fort Worth, TX 76102



# FIGURE 1 - VICINITY MAP

**Legend**

 RELEASE LOCATION



10 mi



Legend

- BOTTOM SAMPLE
- EXCAVATION OUTLINE, 4'
- SIDEWALL SAMPLE



## **APPENDIX A**

**C-141**

**RXSoil, Inc.**

**201 Main St. Ste. 1360, Fort Worth, TX 76102**



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Printed Name: Larry Baker Title: Environmental Tech Sr. Staff  
Signature: Larry Baker Date: 11/9/2022  
email: larry.baker@apachecorp.com Telephone: 432-215-2284

### OCD Only

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

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

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

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

## **APPENDIX B**

### **DEPTH TO GROUNDWATER DATA**

**RXSoil, Inc.**

**201 Main St. Ste. 1360, Fort Worth, TX 76102**



Desert Sand Water Well Services, LLC.

Soil Bore Report

General / Well Info	Customer: Dimondback Disposal/ Apache Corp.		Phone: 575-631-9586	Date: 6/8/21
	Well Name: CLFCA Trunk Line		Location: 32.8231731 -103.9765221	

LOG OF WELL	DEPTH		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER BEARING CAVITIES OR FRACTURES
	FROM	TO		
	0	2	2	TOP SOIL
	2	20	18	CALECHE / RED SAND
	20	40	20	RED SAND
	40	60	20	RED SAND / RED CALY STRIGERS
	60	80	20	RED CLAY
	80	90	10	RED CLAY / GRAVEL
	90	110	20	RED SAND
				BORE HOLE WAS LEFT OPEN FOR 72 HOUR THEN CHECKED FOR
				WATER. THE BORE HOLE WAS DRY AFTER 72 HOURS. BORE HOLE WAS
				PLUGGED FROM THE BOTTOM OF THE HOLE TO THE TOP WITH
				3/8 HOLE PLUG ON 6/11/21.



## **APPENDIX C**

### **DELINEATION SUMMARY TABLE**

**RXSoil, Inc.**

**201 Main St. Ste. 1360, Fort Worth, TX 76102**

Cedar Lake Trunk Line 1														
Sample Name	Sample Type	Sample Date	Received	Lab ID Sample	Chloride	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	EXT DRO	TPH
					Method 4500									
East Wall	SIDEWALL	5/16/2022	5/17/2022	H222080-02	128	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
North Wall	SIDEWALL	5/16/2022	5/17/2022	H222080-01	240	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
S WALL	SIDEWALL	6/13/2022	6/13/2022	H222548-02	80.0	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
W WALL	SIDEWALL	6/13/2022	6/13/2022	H222548-01	<16.0	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 1	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-01	5120	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	10.8	<10.0	10.8
EB 2	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-02	3120	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	216	187	403
EB 3	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-03	7200	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	129	73.3	202
EB 4	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-04	6530	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 5	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-05	21000	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 6	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-06	5860	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	357	129	486
EB 7	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-07	4800	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	40.8	30.3	71.1
EB 9	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-09	18000	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	14.4	13.4	27.7
EB 10	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-10	17200	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 11	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-11	10800	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 12	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-12	72000	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 13	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-13	3840	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 14	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-14	23600	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 15	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-15	38000	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 16	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-16	4240	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 17	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-17	3600	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 18	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-18	32800	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 19	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-19	2800	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 20	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-20	7460	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0

All results reported in mg/kg unless otherwise noted

## **APPENDIX D**

### **TREATMENT SUMMARY TABLE**

**RXSoil, Inc.**

**201 Main St. Ste. 1360, Fort Worth, TX 76102**



Cedar Lake Treatment Cell Data														
Sample Name	Sample Type	Sample Date	Received	Lab ID Sample	Chloride Method 4500	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	EXT DRO	TPH
					8021B						8015M			
A1	CELL	6/23/2022	6/23/2022	H222704-01	352	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30
A2	CELL	6/23/2022	6/23/2022	H222704-02	448	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30
A3	CELL	6/23/2022	6/23/2022	H222704-03	240	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30
A4	CELL	6/17/2022	6/17/2022	H222613-01	272	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.8	<10.0	14.8
A5	CELL	6/17/2022	6/17/2022	H222613-02	368	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30
A6	CELL	6/17/2022	6/17/2022	H222613-11	272	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30
B1	CELL	6/17/2022	6/17/2022	H222613-12	<b>704</b>	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30
B1	CELL	6/23/2022	6/23/2022	H222704-04	<b>736</b>	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30
B1	CELL	6/29/2022	6/30/2022	H222800-01	224	-	-	-	-	-	-	-	-	-
B2	CELL	6/17/2022	6/17/2022	H222613-13	352	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30
B3	CELL	6/17/2022	6/17/2022	H222613-03	544	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30
B4	CELL	6/17/2022	6/17/2022	H222613-04	480	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	14.5	<10.0	14.5
B5	CELL	6/17/2022	6/17/2022	H222613-05	224	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30
B6	CELL	6/17/2022	6/17/2022	H222613-06	416	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30
C1	CELL	6/17/2022	6/17/2022	H222613-07	544	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30
C2	CELL	6/27/2022	6/30/2022	H222770-01	<b>640</b>	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.0	<10.0	15.0
C2	CELL	7/6/2022	7/6/2022	H222897-01	352	-	-	-	-	-	-	-	-	-
C3	CELL	6/17/2022	6/17/2022	H222613-08	464	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30
C4	CELL	6/17/2022	6/17/2022	H222613-09	400	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30
C5	CELL	6/17/2022	6/17/2022	H222613-14	544	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30
C6	CELL	6/17/2022	6/17/2022	H222613-10	384	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30
D1	CELL	6/23/2022	6/23/2022	H222704-05	560	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<30
D2	CELL	6/23/2022	6/23/2022	H222704-06	480	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.4	<10.0	10.4
<b>NMOCD Thresholds, Remediation Standards</b>					<b>600</b>	<b>10</b>				<b>50</b>				<b>100</b>

**Bold text indicates above threshold, treatment continued**

All results reported in mg/kg unless otherwise noted

- indicates test was not run

**APPENDIX E**

**LABORATORY REPORTS**

**RXSoil, Inc.**  
**201 Main St. Ste. 1360, Fort Worth, TX 76102**



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

May 19, 2022

HAYES ADAMS

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: CEDAR LAKE TRUNK LINE ( TL )

Enclosed are the results of analyses for samples received by the laboratory on 05/17/22 9:21.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	05/17/2022	Sampling Date:	05/16/2022
Reported:	05/19/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE ( TL )	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: TRUNK LINE NORTH WALL (H222080-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2022	ND	2.07	103	2.00	12.3	
Toluene*	<0.050	0.050	05/18/2022	ND	2.05	103	2.00	6.82	
Ethylbenzene*	<0.050	0.050	05/18/2022	ND	2.04	102	2.00	8.65	
Total Xylenes*	<0.150	0.150	05/18/2022	ND	6.23	104	6.00	9.50	
Total BTEX	<0.300	0.300	05/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	240	16.0	05/18/2022	ND	432	108	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	05/18/2022	ND	189	94.3	200	2.40	
DRO >C10-C28*	<10.0	10.0	05/18/2022	ND	228	114	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	05/18/2022	ND					

Surrogate: 1-Chlorooctane 97.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	05/17/2022	Sampling Date:	05/16/2022
Reported:	05/19/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE ( TL )	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: TRUNK LINE ( TL ) EAST WALL (H222080-02)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2022	ND	2.07	103	2.00	12.3		
Toluene*	<0.050	0.050	05/18/2022	ND	2.05	103	2.00	6.82		
Ethylbenzene*	<0.050	0.050	05/18/2022	ND	2.04	102	2.00	8.65		
Total Xylenes*	<0.150	0.150	05/18/2022	ND	6.23	104	6.00	9.50		
Total BTX	<0.300	0.300	05/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	128	16.0	05/18/2022	ND	432	108	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	05/18/2022	ND	189	94.3	200	2.40	
DRO >C10-C28*	<10.0	10.0	05/18/2022	ND	228	114	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	05/18/2022	ND					

Surrogate: 1-Chlorooctane 92.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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### 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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager





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

June 01, 2022

HAYES ADAMS

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: CEDAR LAKE TRUNK LINE ( TL )

Enclosed are the results of analyses for samples received by the laboratory on 05/25/22 9:01.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	05/25/2022	Sampling Date:	05/24/2022
Reported:	06/01/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE ( TL )	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: EB 1 (H222217-01)**

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.00	99.9	2.00	0.527	
Toluene*	<0.050	0.050	05/27/2022	ND	2.03	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.94	97.0	2.00	0.128	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	5.79	96.4	6.00	0.338	
Total BTEX	<0.300	0.300	05/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	05/27/2022	ND	400	100	400	7.69	

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	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	10.8	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 121 % 66.9-136

Surrogate: 1-Chlorooctadecane 135 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	05/25/2022	Sampling Date:	05/24/2022
Reported:	06/01/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE ( TL )	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: EB 2 (H222217-02)**

BTEx 8021B		mg/kg		Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/27/2022	ND	2.00	99.9	2.00	0.527		
Toluene*	<0.050	0.050	05/27/2022	ND	2.03	102	2.00	1.38		
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.94	97.0	2.00	0.128		
Total Xylenes*	<0.150	0.150	05/27/2022	ND	5.79	96.4	6.00	0.338		
Total BTEx	<0.300	0.300	05/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3120	16.0	05/27/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	216	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	187	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 116 % 66.9-136

Surrogate: 1-Chlorooctadecane 151 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	05/25/2022	Sampling Date:	05/24/2022
Reported:	06/01/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE ( TL )	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: EB 3 (H222217-03)**

BTEx 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.00	99.9	2.00	0.527	
Toluene*	<0.050	0.050	05/27/2022	ND	2.03	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.94	97.0	2.00	0.128	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	5.79	96.4	6.00	0.338	
Total BTEX	<0.300	0.300	05/27/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7200	16.0	05/27/2022	ND	400	100	400	7.69		

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	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	129	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	73.3	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	05/25/2022	Sampling Date:	05/24/2022
Reported:	06/01/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE ( TL )	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: EB 4 (H222217-04)**

BTEX 8021B		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEX	<0.300	0.300	05/27/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6530	16.0	05/27/2022	ND	400	100	400	7.69	

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	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	05/25/2022	Sampling Date:	05/24/2022
Reported:	06/01/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE ( TL )	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: EB 5 (H222217-05)**

BTX 8021B			mg/kg							
			Analyzed By: CK/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22		
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12		
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68		
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38		
Total BTX	<0.300	0.300	05/27/2022	ND						

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

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	21000	16.0	05/27/2022	ND	400	100	400	7.69		

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	05/27/2022	ND	195	97.5	200	3.29		
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59		
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND						

Surrogate: 1-Chlorooctane 98.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	05/25/2022	Sampling Date:	05/24/2022
Reported:	06/01/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE ( TL )	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: EB 6 (H222217-06)**

BTEx 8021B		mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22		
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12		
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68		
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38		
Total BTEx	<0.300	0.300	05/27/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5860	16.0	05/27/2022	ND	416	104	400	7.41	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	357	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	129	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 116 % 66.9-136

Surrogate: 1-Chlorooctadecane 160 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	05/25/2022	Sampling Date:	05/24/2022
Reported:	06/01/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE ( TL )	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: EB 7 (H222217-07)**

BTEX 8021B		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEX	<0.300	0.300	05/27/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4800	16.0	05/27/2022	ND	416	104	400	7.41		

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	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	40.8	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	30.3	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 128 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	05/25/2022	Sampling Date:	05/24/2022
Reported:	06/01/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE ( TL )	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: EB 9 (H222217-09)**

BTEx 8021B		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEx	<0.300	0.300	05/27/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18000	16.0	05/27/2022	ND	416	104	400	7.41		

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	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	14.4	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	13.4	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	05/25/2022	Sampling Date:	05/24/2022
Reported:	06/01/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE ( TL )	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: EB 10 (H222217-10)**

BTEx 8021B		mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22		
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12		
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68		
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38		
Total BTEx	<0.300	0.300	05/27/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	17200	16.0	05/27/2022	ND	416	104	400	7.41		

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	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	05/25/2022	Sampling Date:	05/24/2022
Reported:	06/01/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE ( TL )	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: EB 11 (H222217-11)**

BTEx 8021B		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEx	<0.300	0.300	05/27/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10800	16.0	05/27/2022	ND	416	104	400	7.41		

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	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 05/25/2022  
 Reported: 06/01/2022  
 Project Name: CEDAR LAKE TRUNK LINE ( TL )  
 Project Number: NONE GIVEN  
 Project Location: APACHE CORP - LOCO HILLS NM

Sampling Date: 05/24/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EB 12 (H222217-12)**

BTEx 8021B		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEx	<0.300	0.300	05/27/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	72000	16.0	05/27/2022	ND	416	104	400	7.41		

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	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 116 % 66.9-136

Surrogate: 1-Chlorooctadecane 131 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 05/25/2022  
 Reported: 06/01/2022  
 Project Name: CEDAR LAKE TRUNK LINE ( TL )  
 Project Number: NONE GIVEN  
 Project Location: APACHE CORP - LOCO HILLS NM

Sampling Date: 05/24/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EB 13 (H222217-13)**

BTEx 8021B		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEx	<0.300	0.300	05/27/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	05/27/2022	ND	416	104	400	7.41	

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	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 97.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	05/25/2022	Sampling Date:	05/24/2022
Reported:	06/01/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE ( TL )	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: EB 14 (H222217-14)**

BTEx 8021B		mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22		
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12		
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68		
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38		
Total BTEx	<0.300	0.300	05/27/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	23600	16.0	05/27/2022	ND	416	104	400	7.41		

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	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 117 % 66.9-136

Surrogate: 1-Chlorooctadecane 134 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 05/25/2022  
 Reported: 06/01/2022  
 Project Name: CEDAR LAKE TRUNK LINE ( TL )  
 Project Number: NONE GIVEN  
 Project Location: APACHE CORP - LOCO HILLS NM

Sampling Date: 05/24/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EB 15 (H222217-15)**

BTEx 8021B		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEx	<0.300	0.300	05/27/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	38000	16.0	05/27/2022	ND	416	104	400	7.41		

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	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 127 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
HAYES ADAMS  
201 MAIN STREET, SUITE 1360  
FORT WORTH TX, 76102  
Fax To: NA

Received:	05/25/2022	Sampling Date:	05/24/2022
Reported:	06/01/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE ( TL )	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: EB 16 (H222217-16)**

BTEx 8021B		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEx	<0.300	0.300	05/27/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4240	16.0	05/27/2022	ND	416	104	400	7.41		

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	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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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:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 05/25/2022  
 Reported: 06/01/2022  
 Project Name: CEDAR LAKE TRUNK LINE ( TL )  
 Project Number: NONE GIVEN  
 Project Location: APACHE CORP - LOCO HILLS NM

Sampling Date: 05/24/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: EB 17 (H222217-17)**

BTEx 8021B		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEx	<0.300	0.300	05/27/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	05/27/2022	ND	416	104	400	7.41		

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	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	05/25/2022	Sampling Date:	05/24/2022
Reported:	06/01/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE ( TL )	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: EB 18 (H222217-18)**

BTEx 8021B		mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22		
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12		
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68		
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38		
Total BTEx	<0.300	0.300	05/27/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32800	16.0	05/27/2022	ND	416	104	400	7.41		

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	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	05/25/2022	Sampling Date:	05/24/2022
Reported:	06/01/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE ( TL )	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: EB 19 (H222217-19)**

BTEx 8021B		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEx	<0.300	0.300	05/27/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2800	16.0	05/27/2022	ND	416	104	400	7.41		

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	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 127 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	05/25/2022	Sampling Date:	05/24/2022
Reported:	06/01/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE ( TL )	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: EB 20 (H222217-20)**

BTEx 8021B		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEx	<0.300	0.300	05/27/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7460	16.0	05/27/2022	ND	416	104	400	7.41		

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	05/27/2022	ND	194	96.8	200	1.63	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	185	92.5	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager

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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.
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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager

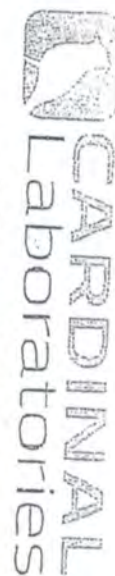


101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> <u>Ac Soil</u> <b>Project Manager:</b> <u>Hayes</u> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b> <b>Project #:</b> <b>Project Name:</b> <u>Cedar Lake Trunk Line</u> <b>Project Location:</b> <u>Loco Hill</u> <b>Sample Name:</b> <u>Hayes Adams</u> <b>FOR LAB USE ONLY</b>		<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>		<b>ANALYSIS REQUEST</b>	
<b>Lab I.D.</b> <u>H999917</u> <b>Sample I.D.</b>		<b>(G)RAB OR (C)OMP.</b> <b># CONTAINERS</b> <b>GROUNDWATER</b> <b>WASTEWATER</b> <b>SOIL</b> <b>OIL</b> <b>SLUDGE</b> <b>OTHER:</b> <b>ACID/BASE:</b> <b>ICE / COOL</b> <b>OTHER:</b>		<b>MATRIX</b> <b>PRESERV.</b> <b>SAMPLING</b>	
<b>PLEASE NOTE:</b> Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising from this contract or bill, shall be limited to the amount paid by this client for the analysis. In no event shall Cardinal be liable for negligence and any other cause whatsoever, shall be deemed waived unless noted in writing and received by Cardinal within 30 days after completion of the applicable analysis. A statement of damages and of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise, shall be received by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		<b>DATE</b> <u>5/24</u> <b>TIME</b> <u>12:15pm</u> <b>Chlorides</b> <b>TPH</b> <b>BTEX</b>		<b>NO SAMPLE</b> <u>5/25/22</u>	
<b>Relinquished By:</b> <u>[Signature]</u> <b>Relinquished By:</b> <u>[Signature]</u> <b>Date:</b> <u>5-25-22</u> <b>Time:</b> <u>0901</u> <b>Date:</b> <u>0901</u> <b>Received By:</b> <u>[Signature]</u> <b>Received By:</b> <u>[Signature]</u>		<b>Observed Temp. °C</b> <u>-10</u> <b>Corrected Temp. °C</b> <u>-10.5</u> <b>Sample Condition</b> <b>Cool Intact</b> <input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b> <b>Checked By:</b> <u>[Signature]</u>		<b>Turnaround Time:</b> <u>24hrs</u> <b>Standard</b> <input checked="" type="checkbox"/> <b>Bacteria (only)</b> <input type="checkbox"/> <b>Thermometer ID #113</b> <b>Correction Factor</b> <u>0.5</u> <b>Cool Intact</b> <input checked="" type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b> <b>Observed Temp. °C</b> <b>Corrected Temp. °C</b>	
<b>Delivered By: (Circle One)</b> <b>Sampler - UPS - Bus - Other:</b>		<b>REMARKS:</b> <u>B.I. to Apache (Brace Baker)</u>		<b>Verbal Result:</b> <input type="checkbox"/> <b>Yes</b> <input type="checkbox"/> <b>No</b> <b>Add'l Phone #:</b> <b>All Results are emailed. Please provide Email address:</b>	





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:

Project Manager:

Address:

City:

Phone #:

Project #:

Project Name:

Project Location:

Sampler Name:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

(G)RAB 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

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Chlorides

TPH

BTEX

BILL TO

ANALYSIS REQUEST

P.O. #:

Company:

Attn:

Address:

City:

State:

Phone #:

Fax #:

Zip:

City:

State:

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Phone #:





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

June 17, 2022

BRUCE BAKER

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 06/14/22 16:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/14/2022  
 Reported: 06/17/2022  
 Project Name: CLFCA  
 Project Number: CFLCA #2  
 Project Location: NOT GIVEN

Sampling Date: 06/13/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: W. WALL (H222548-01)**

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2022	ND	2.19	109	2.00	7.80	
Toluene*	<0.050	0.050	06/15/2022	ND	2.17	108	2.00	7.64	
Ethylbenzene*	<0.050	0.050	06/15/2022	ND	2.09	104	2.00	7.66	
Total Xylenes*	<0.150	0.150	06/15/2022	ND	6.46	108	6.00	7.65	
Total BTX	<0.300	0.300	06/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	06/15/2022	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	06/15/2022	ND	168	84.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	06/15/2022	ND	167	83.4	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	06/15/2022	ND					

Surrogate: 1-Chlorooctane 84.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.8 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 06/14/2022  
 Reported: 06/17/2022  
 Project Name: CLFCA  
 Project Number: CFLCA #2  
 Project Location: NOT GIVEN

Sampling Date: 06/13/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: S. WALL (H222548-02)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2022	ND	2.19	109	2.00	7.80	
Toluene*	<0.050	0.050	06/15/2022	ND	2.17	108	2.00	7.64	
Ethylbenzene*	<0.050	0.050	06/15/2022	ND	2.09	104	2.00	7.66	
Total Xylenes*	<0.150	0.150	06/15/2022	ND	6.46	108	6.00	7.65	
Total BTEx	<0.300	0.300	06/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/15/2022	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	06/15/2022	ND	168	84.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	06/15/2022	ND	167	83.4	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	06/15/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.0 % 59.5-142

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

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### 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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A handwritten signature in cursive script, appearing to read "Celey D. Keene", written in black ink.

---

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

<b>Company Name:</b> Apache <b>Project Manager:</b> Bruce Baker <b>Address:</b> <b>City:</b> Hobbs <b>State:</b> NM <b>Zip:</b> 88240 <b>Phone #:</b> <b>Fax #:</b> <b>Project #:</b> <b>Project Owner:</b> <b>Project Name:</b> <b>Project Location:</b> CLFCA #2 <b>Sample Name:</b> Joe Quasdaee Jr.		<b>P.O. #:</b> <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>	
<b>FOR LAB USE ONLY</b> <b>Lab I.D.</b> <b>Sample I.D.</b> H232548 30. Well 31. Well		<b>(G)RAB OR (C)OMP.</b> <b># CONTAINERS</b> <b>MATRIX</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ( ) ICE COOL OTHER : <b>DATE</b> 6/13 11:24 6/13 3:14	
<b>Relinquished By:</b> Date: 6/13 Time: 1:05 Received By:		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS: Bruce, Casser, Joe	
<b>Delivered By:</b> (Circle One) Sampler - UPS - Bus - Other: Observed Temp. °C: 1.9 Corrected Temp. °C: 1.4 Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Checked BY: (Initials) YC Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #113 Correction Factor -0.5°C Bacteria (only) Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Observed Temp. °C: Corrected Temp. °C:		<b>Cardinal cannot accept verbal observations. Please provide written results.</b>	



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

June 22, 2022

MATTHEW LONGCRIER

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: CEDAR LAKE

Enclosed are the results of analyses for samples received by the laboratory on 06/17/22 16:13.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/17/2022	Sampling Date:	06/17/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: A 4 (H222613-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	1.86	93.0	2.00	3.29	
Toluene*	<0.050	0.050	06/21/2022	ND	1.87	93.4	2.00	3.27	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.79	89.5	2.00	3.19	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	5.59	93.1	6.00	3.61	
Total BTX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	272	16.0	06/21/2022	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	06/20/2022	ND	180	89.9	200	0.806	
DRO >C10-C28*	14.8	10.0	06/20/2022	ND	185	92.7	200	0.390	
EXT DRO >C28-C36	<10.0	10.0	06/20/2022	ND					

Surrogate: 1-Chlorooctane 94.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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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:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/17/2022	Sampling Date:	06/17/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: A 5 (H222613-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2022	ND	1.86	93.0	2.00	3.29		
Toluene*	<0.050	0.050	06/21/2022	ND	1.87	93.4	2.00	3.27		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.79	89.5	2.00	3.19		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	5.59	93.1	6.00	3.61		
Total BTEx	<0.300	0.300	06/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	368	16.0	06/21/2022	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	06/20/2022	ND	180	89.9	200	0.806	
DRO >C10-C28*	<10.0	10.0	06/20/2022	ND	185	92.7	200	0.390	
EXT DRO >C28-C36	<10.0	10.0	06/20/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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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:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/17/2022	Sampling Date:	06/17/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: B 3 (H222613-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2022	ND	1.86	93.0	2.00	3.29		
Toluene*	<0.050	0.050	06/21/2022	ND	1.87	93.4	2.00	3.27		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.79	89.5	2.00	3.19		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	5.59	93.1	6.00	3.61		
Total BTEx	<0.300	0.300	06/21/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	06/21/2022	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	06/20/2022	ND	180	89.9	200	0.806	
DRO >C10-C28*	<10.0	10.0	06/20/2022	ND	185	92.7	200	0.390	
EXT DRO >C28-C36	<10.0	10.0	06/20/2022	ND					

Surrogate: 1-Chlorooctane 98.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/17/2022	Sampling Date:	06/17/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: B 4 (H222613-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	1.86	93.0	2.00	3.29	
Toluene*	<0.050	0.050	06/21/2022	ND	1.87	93.4	2.00	3.27	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.79	89.5	2.00	3.19	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	5.59	93.1	6.00	3.61	
Total BTEX	<0.300	0.300	06/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	480	16.0	06/21/2022	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	06/20/2022	ND	180	89.9	200	0.806	
DRO >C10-C28*	14.5	10.0	06/20/2022	ND	185	92.7	200	0.390	
EXT DRO >C28-C36	<10.0	10.0	06/20/2022	ND					

Surrogate: 1-Chlorooctane 98.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/17/2022	Sampling Date:	06/17/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: B 5 (H222613-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2022	ND	1.86	93.0	2.00	3.29		
Toluene*	<0.050	0.050	06/21/2022	ND	1.87	93.4	2.00	3.27		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.79	89.5	2.00	3.19		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	5.59	93.1	6.00	3.61		
Total BTEX	<0.300	0.300	06/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 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	224	16.0	06/21/2022	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	06/20/2022	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	06/20/2022	ND	207	103	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	06/20/2022	ND					

Surrogate: 1-Chlorooctane 121 % 66.9-136

Surrogate: 1-Chlorooctadecane 124 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/17/2022	Sampling Date:	06/17/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: B 6 (H222613-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2022	ND	1.86	93.0	2.00	3.29		
Toluene*	<0.050	0.050	06/21/2022	ND	1.87	93.4	2.00	3.27		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.79	89.5	2.00	3.19		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	5.59	93.1	6.00	3.61		
Total BTEX	<0.300	0.300	06/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	416	16.0	06/21/2022	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	06/21/2022	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	207	103	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 121 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/17/2022	Sampling Date:	06/17/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: C 1 (H222613-07)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2022	ND	1.86	93.0	2.00	3.29		
Toluene*	<0.050	0.050	06/21/2022	ND	1.87	93.4	2.00	3.27		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.79	89.5	2.00	3.19		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	5.59	93.1	6.00	3.61		
Total BTEX	<0.300	0.300	06/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	544	16.0	06/21/2022	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	06/21/2022	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	207	103	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/17/2022	Sampling Date:	06/17/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: C 3 (H222613-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2022	ND	1.86	93.0	2.00	3.29		
Toluene*	<0.050	0.050	06/21/2022	ND	1.87	93.4	2.00	3.27		
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.79	89.5	2.00	3.19		
Total Xylenes*	<0.150	0.150	06/21/2022	ND	5.59	93.1	6.00	3.61		
Total BTEx	<0.300	0.300	06/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	464	16.0	06/21/2022	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	06/21/2022	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	207	103	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 117 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/17/2022	Sampling Date:	06/17/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: C 4 (H222613-09)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/20/2022	ND	1.91	95.5	2.00	3.65		
Toluene*	<0.050	0.050	06/20/2022	ND	1.91	95.7	2.00	3.58		
Ethylbenzene*	<0.050	0.050	06/20/2022	ND	1.91	95.4	2.00	3.03		
Total Xylenes*	<0.150	0.150	06/20/2022	ND	5.94	99.1	6.00	2.78		
Total BTEx	<0.300	0.300	06/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	400	16.0	06/21/2022	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	06/21/2022	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	207	103	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/17/2022	Sampling Date:	06/17/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: C 6 (H222613-10)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/20/2022	ND	1.91	95.5	2.00	3.65		
Toluene*	<0.050	0.050	06/20/2022	ND	1.91	95.7	2.00	3.58		
Ethylbenzene*	<0.050	0.050	06/20/2022	ND	1.91	95.4	2.00	3.03		
Total Xylenes*	<0.150	0.150	06/20/2022	ND	5.94	99.1	6.00	2.78		
Total BTEX	<0.300	0.300	06/20/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	06/21/2022	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	06/21/2022	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	207	103	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 118 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/17/2022	Sampling Date:	06/16/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: A 6 (H222613-11)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/20/2022	ND	1.91	95.5	2.00	3.65		
Toluene*	<0.050	0.050	06/20/2022	ND	1.91	95.7	2.00	3.58		
Ethylbenzene*	<0.050	0.050	06/20/2022	ND	1.91	95.4	2.00	3.03		
Total Xylenes*	<0.150	0.150	06/20/2022	ND	5.94	99.1	6.00	2.78		
Total BTEX	<0.300	0.300	06/20/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	06/21/2022	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	06/21/2022	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	207	103	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/17/2022	Sampling Date:	06/16/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: B 1 (H222613-12)**

BTX 8021B			mg/kg							
			Analyzed By: JH/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/20/2022	ND	1.91	95.5	2.00	3.65		
Toluene*	<0.050	0.050	06/20/2022	ND	1.91	95.7	2.00	3.58		
Ethylbenzene*	<0.050	0.050	06/20/2022	ND	1.91	95.4	2.00	3.03		
Total Xylenes*	<0.150	0.150	06/20/2022	ND	5.94	99.1	6.00	2.78		
Total BTX	<0.300	0.300	06/20/2022	ND						

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

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: GM							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	06/21/2022	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	06/21/2022	ND	208	104	200	3.62		
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	207	103	200	3.61		
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND						

Surrogate: 1-Chlorooctane 118 % 66.9-136

Surrogate: 1-Chlorooctadecane 121 % 59.5-142

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**Analytical Results For:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/17/2022	Sampling Date:	06/16/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: B 2 (H222613-13)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/20/2022	ND	1.91	95.5	2.00	3.65		
Toluene*	<0.050	0.050	06/20/2022	ND	1.91	95.7	2.00	3.58		
Ethylbenzene*	<0.050	0.050	06/20/2022	ND	1.91	95.4	2.00	3.03		
Total Xylenes*	<0.150	0.150	06/20/2022	ND	5.94	99.1	6.00	2.78		
Total BTEx	<0.300	0.300	06/20/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	06/21/2022	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	06/21/2022	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	207	103	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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**Analytical Results For:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/17/2022	Sampling Date:	06/16/2022
Reported:	06/22/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: C 5 (H222613-14)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/20/2022	ND	1.91	95.5	2.00	3.65		
Toluene*	<0.050	0.050	06/20/2022	ND	1.91	95.7	2.00	3.58		
Ethylbenzene*	<0.050	0.050	06/20/2022	ND	1.91	95.4	2.00	3.03		
Total Xylenes*	<0.150	0.150	06/20/2022	ND	5.94	99.1	6.00	2.78		
Total BTEx	<0.300	0.300	06/20/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	06/21/2022	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	06/21/2022	ND	208	104	200	3.62	
DRO >C10-C28*	<10.0	10.0	06/21/2022	ND	207	103	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	06/21/2022	ND					

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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### 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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A handwritten signature in cursive script, appearing to read "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

<b>Company Name:</b> RSCoil <b>Project Manager:</b> Matt <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b> <b>Project #:</b> <b>Project Name:</b> Cedar Lake <b>Project Location:</b> Lyco Hills <b>Sampler Name:</b> Matt		<b>BILL TO</b> <b>P.O. #:</b> <b>Company:</b> Affine <b>Attn:</b> Bruce Baker <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>	
<b>FOR LAB USE ONLY</b> <b>Lab I.D.</b> H222613 <b>Sample I.D.</b>		<b>ANALYSIS REQUEST</b>	
<b>PLEASE NOTE:</b> Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising from this contract or bill, 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 data, or loss of profits incurred by client, its subsidiaries, affiliates, or any other party arising out of or from this contract or bill. This limitation shall not apply to claims for personal injury or death.		<b>DATE</b> 6/17 <b>TIME</b> 8:00	
<b>Retinquished By:</b> [Signature] <b>Date:</b> 6-17-22 <b>Received By:</b> [Signature] <b>Date:</b> 6/17		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: <b>All Results are emailed. Please provide Email address:</b>	
<b>Delivered By:</b> (Circle One) Sampler - UPS - Bus - Other:		<b>Observed Temp. °C</b> -0.4°C <b>Corrected Temp. °C</b> -0.9°C <b>Sample Condition</b> Cool Intact <b>Checked By:</b> [Signature] <b>Turnaround Time:</b> Standard <b>Thermometer ID #113</b> <b>Correction Factor</b> -0.5°C <b>Bacteria (only) Sample Condition</b> <input checked="" type="checkbox"/> Bacteria <input type="checkbox"/> Cool Intact <b>Observed Temp. °C</b> <b>Corrected Temp. °C</b>	
<b>REMARKS:</b>		<b>REMARKS:</b>	





**CARDINAL**  
Laboratories

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:						P.O. #:							
Project Manager:						Company:							
Address:						Attn:							
City:						State:							
Phone #:						Zip:							
Fax #:													
Project #:													
Project Location:													
Sample Name:													
FOR LAB USE ONLY													
Lab I.D.						Sample I.D.							
H222613						(G)RAB OR (C)OMP.							
11 A6						# CONTAINERS							
12 B1						GROUNDWATER							
13 B2						WASTEWATER							
14 C5						SOIL							
						OIL							
						SLUDGE							
						OTHER :							
						ACID/BASE:							
						ICE / COOL							
						OTHER :							
						DATE							
						TIME							
						Chloride							
						TPH							
						BTEX							



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

June 29, 2022

MATTHEW LONGCRIER

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: CEDAR LAKE

Enclosed are the results of analyses for samples received by the laboratory on 06/23/22 16:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/29/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: A 1 (H222704-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2022	ND	2.04	102	2.00	0.655	
Toluene*	<0.050	0.050	06/25/2022	ND	2.01	100	2.00	0.690	
Ethylbenzene*	<0.050	0.050	06/25/2022	ND	1.95	97.6	2.00	0.399	
Total Xylenes*	<0.150	0.150	06/25/2022	ND	5.75	95.8	6.00	1.11	
Total BTEX	<0.300	0.300	06/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	06/27/2022	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	06/25/2022	ND	207	104	200	2.08	
DRO >C10-C28*	<10.0	10.0	06/25/2022	ND	216	108	200	0.895	
EXT DRO >C28-C36	<10.0	10.0	06/25/2022	ND					

Surrogate: 1-Chlorooctane 104 % 43-149

Surrogate: 1-Chlorooctadecane 129 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/29/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: A 2 (H222704-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/25/2022	ND	2.04	102	2.00	0.655		
Toluene*	<0.050	0.050	06/25/2022	ND	2.01	100	2.00	0.690		
Ethylbenzene*	<0.050	0.050	06/25/2022	ND	1.95	97.6	2.00	0.399		
Total Xylenes*	<0.150	0.150	06/25/2022	ND	5.75	95.8	6.00	1.11		
Total BTEX	<0.300	0.300	06/25/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	06/27/2022	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	06/25/2022	ND	207	104	200	2.08	
DRO >C10-C28*	<10.0	10.0	06/25/2022	ND	216	108	200	0.895	
EXT DRO >C28-C36	<10.0	10.0	06/25/2022	ND					

Surrogate: 1-Chlorooctane 109 % 43-149

Surrogate: 1-Chlorooctadecane 135 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/29/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: A 3 (H222704-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/25/2022	ND	2.04	102	2.00	0.655		
Toluene*	<0.050	0.050	06/25/2022	ND	2.01	100	2.00	0.690		
Ethylbenzene*	<0.050	0.050	06/25/2022	ND	1.95	97.6	2.00	0.399		
Total Xylenes*	<0.150	0.150	06/25/2022	ND	5.75	95.8	6.00	1.11		
Total BTEx	<0.300	0.300	06/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	06/27/2022	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	06/27/2022	ND	189	94.7	200	0.0412	
DRO >C10-C28*	<10.0	10.0	06/27/2022	ND	198	98.9	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	06/27/2022	ND					

Surrogate: 1-Chlorooctane 119 % 43-149

Surrogate: 1-Chlorooctadecane 145 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/29/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: B 1 (H222704-04)**

BTEX 8021B			mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/25/2022	ND	2.04	102	2.00	0.655		
Toluene*	<0.050	0.050	06/25/2022	ND	2.01	100	2.00	0.690		
Ethylbenzene*	<0.050	0.050	06/25/2022	ND	1.95	97.6	2.00	0.399		
Total Xylenes*	<0.150	0.150	06/25/2022	ND	5.75	95.8	6.00	1.11		
Total BTEX	<0.300	0.300	06/25/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	736	16.0	06/27/2022	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	06/28/2022	ND	189	94.7	200	0.0412	
DRO >C10-C28*	<10.0	10.0	06/28/2022	ND	198	98.9	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	06/28/2022	ND					

Surrogate: 1-Chlorooctane 79.4 % 43-149

Surrogate: 1-Chlorooctadecane 91.8 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

RX-SOIL INC.  
 MATTHEW LONGCRIER  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/29/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: D 1 (H222704-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/25/2022	ND	2.04	102	2.00	0.655		
Toluene*	<0.050	0.050	06/25/2022	ND	2.01	100	2.00	0.690		
Ethylbenzene*	<0.050	0.050	06/25/2022	ND	1.95	97.6	2.00	0.399		
Total Xylenes*	<0.150	0.150	06/25/2022	ND	5.75	95.8	6.00	1.11		
Total BTEx	<0.300	0.300	06/25/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	06/27/2022	ND	432	108	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	06/28/2022	ND	189	94.7	200	0.0412	
DRO >C10-C28*	<10.0	10.0	06/28/2022	ND	198	98.9	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	06/28/2022	ND					

Surrogate: 1-Chlorooctane 90.3 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

RX-SOIL INC.  
MATTHEW LONGCRIER  
201 MAIN STREET, SUITE 1360  
FORT WORTH TX, 76102  
Fax To: NA

Received:	06/23/2022	Sampling Date:	06/23/2022
Reported:	06/29/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: D 2 (H222704-06)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2022	ND	2.04	102	2.00	0.655	
Toluene*	<0.050	0.050	06/25/2022	ND	2.01	100	2.00	0.690	
Ethylbenzene*	<0.050	0.050	06/25/2022	ND	1.95	97.6	2.00	0.399	
Total Xylenes*	<0.150	0.150	06/25/2022	ND	5.75	95.8	6.00	1.11	
Total BTX	<0.300	0.300	06/25/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	06/27/2022	ND	432	108	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	06/28/2022	ND	189	94.7	200	0.0412	
DRO >C10-C28*	10.4	10.0	06/28/2022	ND	198	98.9	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	06/28/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 43-149

Surrogate: 1-Chlorooctadecane 96.3 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



---

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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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Cardinal Laboratories

\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "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

<b>Company Name:</b> <u>Keiser</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>					
<b>Project Manager:</b> <u>Hayer Adams</u>				<b>P.O. #:</b>									
<b>Address:</b>				<b>Company:</b>									
<b>City:</b>				<b>Attn:</b>									
<b>State:</b>				<b>Address:</b>									
<b>Zip:</b>				<b>City:</b>									
<b>Phone #:</b>				<b>Fax #:</b>									
<b>Project #:</b>				<b>Project Owner:</b>									
<b>Project Name:</b> <u>Cedar Lake Cell</u>				<b>State:</b>				<b>Zip:</b>					
<b>Project Location:</b> <u>Loco Hills</u>				<b>Phone #:</b>									
<b>Sampler Name:</b> <u>Hayer</u>				<b>Fax #:</b>									
<small>FOR LAB USE ONLY</small>													
<b>Lab I.D.</b>		<b>Sample I.D.</b>		<b>(G)RAB OR (C)OMP.</b>		<b># CONTAINERS</b>		<b>MATRIX</b>		<b>PRESERV.</b>		<b>SAMPLING</b>	
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		ACID/BASE: ICE / COOL OTHER :		DATE TIME	
<u>H202704</u>		<u>HA1</u>										<u>6/23</u> <u>12pm</u>	
<u>1</u>		<u>HA2</u>											
<u>2</u>		<u>HA3</u>											
<u>3</u>		<u>HA4</u>											
<u>4</u>		<u>HA5</u>											
<u>5</u>		<u>HA6</u>											
<u>6</u>		<u>HA7</u>											
<p><small>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.</small></p>													
<b>Relinquished By:</b> <u>[Signature]</u>				<b>Received By:</b> <u>[Signature]</u>				<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b>					
<b>Relinquished By:</b> <u>[Signature]</u>				<b>Date:</b> <u>6-23-02</u>				<b>All Results are emailed. Please provide Email address:</b>					
<b>Relinquished By:</b> <u>[Signature]</u>				<b>Time:</b> <u>1020</u>				<b>REMARKS:</b>					
<b>Relinquished By:</b> <u>[Signature]</u>				<b>Date:</b> <u>6-23-02</u>				<u>Bill to Apache (Bruce Baker)</u>					
<b>Relinquished By:</b> <u>[Signature]</u>				<b>Time:</b>				<b>Turnaround Time:</b>					
<b>Relinquished By:</b> <u>[Signature]</u>				<b>Date:</b>				<b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>					
<b>Relinquished By:</b> <u>[Signature]</u>				<b>Time:</b>				<b>Bacteria (only)</b> <input type="checkbox"/> <b>Sample Condition</b>					
<b>Relinquished By:</b> <u>[Signature]</u>				<b>Date:</b>				<b>Corrected Temp. °C</b>					
<b>Relinquished By:</b> <u>[Signature]</u>				<b>Time:</b>				<b>Thermometer ID #113</b>					
<b>Relinquished By:</b> <u>[Signature]</u>				<b>Date:</b>				<b>Correction Factor -0.5°C</b>					
<b>Relinquished By:</b> <u>[Signature]</u>				<b>Time:</b>				<b>Corrected Temp. °C</b>					

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



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

June 30, 2022

HAYES ADAMS

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: CEDAR LAKE

Enclosed are the results of analyses for samples received by the laboratory on 06/28/22 16:49.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Coley D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	06/28/2022	Sampling Date:	06/27/2022
Reported:	06/30/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	LOCO HILLS	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: C 2 (H222770-01)**

BTEX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/30/2022	ND	2.10	105	2.00	5.69	
Toluene*	<0.050	0.050	06/30/2022	ND	2.06	103	2.00	5.77	
Ethylbenzene*	<0.050	0.050	06/30/2022	ND	2.04	102	2.00	5.92	
Total Xylenes*	<0.150	0.150	06/30/2022	ND	6.19	103	6.00	6.09	
Total BTEX	<0.300	0.300	06/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	06/29/2022	ND	448	112	400	3.64	

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	06/29/2022	ND	199	99.5	200	10.8	
DRO >C10-C28*	15.0	10.0	06/29/2022	ND	255	127	200	4.64	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 94.9 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





---

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---

### 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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



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

June 30, 2022

HAYES ADAMS

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: CEDAR LAKE

Enclosed are the results of analyses for samples received by the laboratory on 06/30/22 8:08.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received: 06/30/2022  
 Reported: 06/30/2022  
 Project Name: CEDAR LAKE  
 Project Number: LOCO HILLS  
 Project Location: APACHE CORP - LOCO HILLS NM

Sampling Date: 06/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B 1 (H222800-01)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>224</b>	16.0	06/30/2022	ND	432	108	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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---

### Notes and Definitions

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**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
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---

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

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Celey D. Keene, Lab Director/Quality Manager



**BILL TO**

## ANALYSIS REQUEST

FORM-000 K.S.2.10/07/21



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

July 07, 2022

HAYES ADAMS

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: CEDAR LAKE

Enclosed are the results of analyses for samples received by the laboratory on 07/06/22 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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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.

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Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

RX-SOIL INC.  
 HAYES ADAMS  
 201 MAIN STREET, SUITE 1360  
 FORT WORTH TX, 76102  
 Fax To: NA

Received:	07/06/2022	Sampling Date:	07/06/2022
Reported:	07/07/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	** (See Notes)
Project Number:	LOCO HILLS	Sample Received By:	Tamara Oldaker
Project Location:	APACHE CORP - LOCO HILLS NM		

**Sample ID: C 2 (H222897-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/07/2022	ND	432	108	400	0.00		

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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---

### Notes and Definitions

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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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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager







**APPENDIX F**  
**SITE PHOTOGRAPH**

**RXSoil, Inc.**

**201 Main St. Ste. 1360, Fort Worth, TX 76102**



RXSoil, Inc.  
201 Main St. Ste. 1360, Fort Worth, TX 76102

**END OF REPORT**

**RXSoil, Inc.**

**201 Main St. Ste. 1360, Fort Worth, TX 76102**

**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 157426

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 157426
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2107730944 CLFCA TRUNK LINE, thank you. This closure is approved.	2/24/2023