

Incident ID	nAPP2117355043
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: 2/27/2023

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: 2/27/2023
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

Closure Request



Apache Corporation

CLFCA Trunk Line 2

nAPP2117355043

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 06/15/2021 in Unit Letter E, Section 21, Township 17S, Range 30E (see *Figure 1* for Vicinity Map) at approximate coordinates 32.82295, -103.98271. It was reported that 345 barrels of produced water were released, and 0 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 121' at coordinates 32.82310, -103.98276 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 06/15/2021 and 09/17/2021, with all data provided in the approved Work Plan. The release was delineated down to a depth of 10'. 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. 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, nAPP2107730944, 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, with samples representing no more than 200 square feet. Floor samples represented no more than 500 square feet, as approved in the initial work plan. 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

RXSoil, Inc.

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

representing no more than 100 cubic yards. If a sample tested above threshold, treatment continued 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.

FIGURE 1 - VICINITY MAP

Legend


 RELEASE LOCATION



FIGURE 2 - SITE OVERVIEW

Legend

- BOTTOM SAMPLE
- EXCAVATION OUTLINE
- SIDEWALL SAMPLE



70 ft

APPENDIX A

C-141

RXSoil, Inc.

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

Incident ID	nAPP2117355043
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Closure

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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

[illegible]

APPENDIX C

DELINEATION SUMMARY TABLE

RXSoil, Inc.

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

Cedar Lake Trunk Line 2														
Sample Name	Sample Type	Sample Date	Received	Lab ID Sample	Chloride	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	EXT DRO	TPH
					Method 4500	8021B					8015M			
A 1	BOTTOM, 4'	5/24/2022	5/25/2022	H222218-01	160	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
A 2	BOTTOM, 4'	5/24/2022	5/25/2022	H222218-02	1010	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
A 3	BOTTOM, 4'	5/24/2022	5/25/2022	H222218-03	2240	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
A 4	BOTTOM, 4'	5/24/2022	5/25/2022	H222218-04	29200	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
A 5	BOTTOM, 4'	5/24/2022	5/25/2022	H222218-05	24000	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
B 1	BOTTOM, 4'	5/24/2022	5/25/2022	H222218-06	42400	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
B 2	BOTTOM, 4'	5/24/2022	5/25/2022	H222218-07	16000	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
B 3	BOTTOM, 4'	5/24/2022	5/25/2022	H222218-08	2400	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
B 4	BOTTOM, 4'	5/24/2022	5/25/2022	H222218-09	1680	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
B 5	BOTTOM, 4'	5/24/2022	5/25/2022	H222218-10	34000	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
C 1	BOTTOM, 4'	5/24/2022	5/25/2022	H222218-11	352	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
C 2	BOTTOM, 4'	5/24/2022	5/25/2022	H222218-12	5280	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
C 3	BOTTOM, 4'	5/24/2022	5/25/2022	H222218-13	304	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
ES 1	SIDEWALL	5/19/2022	5/25/2022	H222149-01	80.0	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	87.2	52.9	140
ES1	SIDEWALL	6/9/2022	6/10/2022	H222502-02	48.0	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
ES2	SIDEWALL	6/9/2022	6/10/2022	H222502-03	48.0	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
ES3	SIDEWALL	6/10/2022	6/10/2022	H222503-02	48.0	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
ES4	SIDEWALL	6/10/2022	6/10/2022	H222503-03	48.0	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
ES5	SIDEWALL	6/10/2022	6/10/2022	H222503-01	48.0	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
ES6	SIDEWALL	6/9/2022	6/10/2022	H222502-01	176	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
ES7	SIDEWALL	5/19/2022	5/25/2022	H222149-02	384	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
ES8	SIDEWALL	6/9/2022	6/10/2022	H222502-04	48.0	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
ES9	SIDEWALL	6/9/2022	6/10/2022	H222502-05	64.0	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
ES 11	SIDEWALL	5/19/2022	5/25/2022	H222149-03	368	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
ES 12	SIDEWALL	5/19/2022	5/25/2022	H222149-04	128	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
ES 13	SIDEWALL	5/19/2022	5/25/2022	H222149-05	96.0	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
SPURS LINE	SIDEWALL	6/10/2022	6/10/2022	H222503-04	544	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0

Bold text indicates above threshold, excavation continued continued

All results reported in mg/kg unless otherwise noted

- indicates test was not run

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	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	EXT DRO	TPH
					Method 4500	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	704	<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	736	<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	640	<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
NMOCD Thresholds, Remediation Standards					600	10				50				100

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 25, 2022

HAYES ADAMS

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: CEDAR LAKE TRUNK LINE 2 (TL 2)

Enclosed are the results of analyses for samples received by the laboratory on 05/20/22 8:29.

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.

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:	05/20/2022	Sampling Date:	05/19/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE 2 (TL 2)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

Sample ID: ES 1 (H222149-01)

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	05/25/2022	ND	2.09	104	2.00	1.65	
Toluene*	<0.050	0.050	05/25/2022	ND	2.07	104	2.00	1.12	
Ethylbenzene*	<0.050	0.050	05/25/2022	ND	2.04	102	2.00	1.90	
Total Xylenes*	<0.150	0.150	05/25/2022	ND	6.11	102	6.00	1.05	
Total BTEX	<0.300	0.300	05/25/2022	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	80.0	16.0	05/24/2022	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	203	101	200	5.64	
DRO >C10-C28*	87.2	10.0	05/25/2022	ND	194	97.1	200	1.15	
EXT DRO >C28-C36	52.9	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.1 % 59.5-142

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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Analytical Results For:

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

Received:	05/20/2022	Sampling Date:	05/19/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE 2 (TL 2)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

Sample ID: ES 7 (H222149-02)

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	05/25/2022	ND	2.09	104	2.00	1.65	
Toluene*	<0.050	0.050	05/25/2022	ND	2.07	104	2.00	1.12	
Ethylbenzene*	<0.050	0.050	05/25/2022	ND	2.04	102	2.00	1.90	
Total Xylenes*	<0.150	0.150	05/25/2022	ND	6.11	102	6.00	1.05	
Total BTEx	<0.300	0.300	05/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	384	16.0	05/24/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	203	101	200	5.64	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	194	97.1	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 97.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.8 % 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: 05/20/2022
 Reported: 05/25/2022
 Project Name: CEDAR LAKE TRUNK LINE 2 (TL 2)
 Project Number: NONE GIVEN
 Project Location: APACHE CORP - LOCO HILLS NM

Sampling Date: 05/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: ES 11 (H222149-03)

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	05/25/2022	ND	2.09	104	2.00	1.65		
Toluene*	<0.050	0.050	05/25/2022	ND	2.07	104	2.00	1.12		
Ethylbenzene*	<0.050	0.050	05/25/2022	ND	2.04	102	2.00	1.90		
Total Xylenes*	<0.150	0.150	05/25/2022	ND	6.11	102	6.00	1.05		
Total BTEx	<0.300	0.300	05/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	368	16.0	05/24/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	203	101	200	5.64	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	194	97.1	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 89.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 84.3 % 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: 05/20/2022
 Reported: 05/25/2022
 Project Name: CEDAR LAKE TRUNK LINE 2 (TL 2)
 Project Number: NONE GIVEN
 Project Location: APACHE CORP - LOCO HILLS NM

Sampling Date: 05/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: ES 12 (H222149-04)

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	05/25/2022	ND	2.09	104	2.00	1.65		
Toluene*	<0.050	0.050	05/25/2022	ND	2.07	104	2.00	1.12		
Ethylbenzene*	<0.050	0.050	05/25/2022	ND	2.04	102	2.00	1.90		
Total Xylenes*	<0.150	0.150	05/25/2022	ND	6.11	102	6.00	1.05		
Total BTEx	<0.300	0.300	05/25/2022	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	128	16.0	05/24/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	203	101	200	5.64	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	194	97.1	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 92.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.5 % 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:	05/20/2022	Sampling Date:	05/19/2022
Reported:	05/25/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE 2 (TL 2)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

Sample ID: ES 13 (H222149-05)

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	05/25/2022	ND	2.09	104	2.00	1.65		
Toluene*	<0.050	0.050	05/25/2022	ND	2.07	104	2.00	1.12		
Ethylbenzene*	<0.050	0.050	05/25/2022	ND	2.04	102	2.00	1.90		
Total Xylenes*	<0.150	0.150	05/25/2022	ND	6.11	102	6.00	1.05		
Total BTEx	<0.300	0.300	05/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	96.0	16.0	05/24/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/25/2022	ND	203	101	200	5.64	
DRO >C10-C28*	<10.0	10.0	05/25/2022	ND	194	97.1	200	1.15	
EXT DRO >C28-C36	<10.0	10.0	05/25/2022	ND					

Surrogate: 1-Chlorooctane 90.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.4 % 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

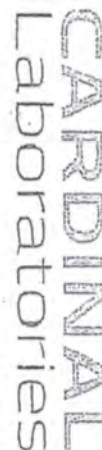
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

23



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 2 (TL 2)

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.

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:	05/25/2022	Sampling Date:	05/24/2022
Reported:	06/01/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE TRUNK LINE 2 (TL 2)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

Sample ID: A 1 (H222218-01)

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	2.14	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	160	16.0	05/31/2022	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	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 106 % 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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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 2 (TL 2)
 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: A 2 (H222218-02)

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	2.14	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	1010	16.0	05/31/2022	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	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 114 % 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.
 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 2 (TL 2)
 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: A 3 (H222218-03)

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	05/28/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/28/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/28/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/28/2022	ND	6.42	107	6.00	1.38	
Total BTEX	<0.300	0.300	05/28/2022	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	2240	16.0	05/31/2022	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	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 121 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 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 2 (TL 2)
 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: A 4 (H222218-04)

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	05/28/2022	ND	2.14	107	2.00	1.22		
Toluene*	<0.050	0.050	05/28/2022	ND	2.12	106	2.00	2.12		
Ethylbenzene*	<0.050	0.050	05/28/2022	ND	2.07	104	2.00	1.68		
Total Xylenes*	<0.150	0.150	05/28/2022	ND	6.42	107	6.00	1.38		
Total BTEX	<0.300	0.300	05/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	29200	16.0	05/31/2022	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	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 124 % 66.9-136

Surrogate: 1-Chlorooctadecane 129 % 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 2 (TL 2)
 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: A 5 (H222218-05)

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	2.03	102	2.00	10.0		
Toluene*	<0.050	0.050	05/27/2022	ND	2.02	101	2.00	10.6		
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.93	96.5	2.00	10.9		
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.01	100	6.00	10.7		
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	24000	16.0	05/31/2022	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 124 % 66.9-136

Surrogate: 1-Chlorooctadecane 131 % 59.5-142

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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 2 (TL 2)
 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: B 1 (H222218-06)

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	2.03	102	2.00	10.0		
Toluene*	<0.050	0.050	05/27/2022	ND	2.02	101	2.00	10.6		
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.93	96.5	2.00	10.9		
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.01	100	6.00	10.7		
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	42400	16.0	05/31/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	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 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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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 2 (TL 2)
 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: B 2 (H222218-07)

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	2.03	102	2.00	10.0	
Toluene*	<0.050	0.050	05/27/2022	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.93	96.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.01	100	6.00	10.7	
Total BTX	<0.300	0.300	05/27/2022	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	16000	16.0	05/31/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	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 118 % 66.9-136

Surrogate: 1-Chlorooctadecane 124 % 59.5-142

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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 2 (TL 2)
 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: B 3 (H222218-08)

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	2.03	102	2.00	10.0	
Toluene*	<0.050	0.050	05/27/2022	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.93	96.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.01	100	6.00	10.7	
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	2400	16.0	05/31/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	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 116 % 66.9-136

Surrogate: 1-Chlorooctadecane 121 % 59.5-142

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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 2 (TL 2)	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

Sample ID: B 4 (H222218-09)

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	2.03	102	2.00	10.0		
Toluene*	<0.050	0.050	05/27/2022	ND	2.02	101	2.00	10.6		
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.93	96.5	2.00	10.9		
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.01	100	6.00	10.7		
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	1680	16.0	05/31/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	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 90.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.5 % 59.5-142

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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 2 (TL 2)
 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: B 5 (H222218-10)

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	2.03	102	2.00	10.0		
Toluene*	<0.050	0.050	05/27/2022	ND	2.02	101	2.00	10.6		
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.93	96.5	2.00	10.9		
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.01	100	6.00	10.7		
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	34000	16.0	05/31/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	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 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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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 2 (TL 2)
 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: C 1 (H222218-11)

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	2.03	102	2.00	10.0	
Toluene*	<0.050	0.050	05/27/2022	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.93	96.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.01	100	6.00	10.7	
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	352	16.0	05/31/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	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 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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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 2 (TL 2)
 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: C 2 (H222218-12)

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	2.03	102	2.00	10.0	
Toluene*	<0.050	0.050	05/27/2022	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.93	96.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.01	100	6.00	10.7	
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	5280	16.0	05/31/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	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 120 % 66.9-136

Surrogate: 1-Chlorooctadecane 126 % 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 2 (TL 2)
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: C 3 (H222218-13)

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	2.03	102	2.00	10.0	
Toluene*	<0.050	0.050	05/27/2022	ND	2.02	101	2.00	10.6	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.93	96.5	2.00	10.9	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.01	100	6.00	10.7	
Total BTEX	<0.300	0.300	05/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	304	16.0	05/31/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	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 112 % 59.5-142

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

Celey D. Keene, Lab Director/Quality Manager



ANALYSIS REQUEST

Page 16 of 17

Company:

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Address:

City:

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

June 15, 2022

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CLFCA TRUNK LINE

Enclosed are the results of analyses for samples received by the laboratory on 06/10/22 16:39.

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.

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: 06/10/2022
 Reported: 06/15/2022
 Project Name: CLFCA TRUNK LINE
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: ES6 (H222502-01)

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	06/13/2022	ND	2.12	106	2.00	8.50	
Toluene*	<0.050	0.050	06/13/2022	ND	2.12	106	2.00	9.04	
Ethylbenzene*	<0.050	0.050	06/13/2022	ND	1.99	99.6	2.00	8.24	
Total Xylenes*	<0.150	0.150	06/13/2022	ND	6.18	103	6.00	7.67	
Total BTX	<0.300	0.300	06/13/2022	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	176	16.0	06/13/2022	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	06/13/2022	ND	196	97.9	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	218	109	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 88.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.8 % 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:

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

Received: 06/10/2022
 Reported: 06/15/2022
 Project Name: CLFCA TRUNK LINE
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: ES1 (H222502-02)

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	06/13/2022	ND	2.12	106	2.00	8.50	
Toluene*	<0.050	0.050	06/13/2022	ND	2.12	106	2.00	9.04	
Ethylbenzene*	<0.050	0.050	06/13/2022	ND	1.99	99.6	2.00	8.24	
Total Xylenes*	<0.150	0.150	06/13/2022	ND	6.18	103	6.00	7.67	
Total BTEx	<0.300	0.300	06/13/2022	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	48.0	16.0	06/13/2022	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	06/13/2022	ND	196	97.9	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	218	109	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 91.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 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:

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

Received: 06/10/2022
 Reported: 06/15/2022
 Project Name: CLFCA TRUNK LINE
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: ES2 (H222502-03)

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	06/13/2022	ND	2.12	106	2.00	8.50	
Toluene*	<0.050	0.050	06/13/2022	ND	2.12	106	2.00	9.04	
Ethylbenzene*	<0.050	0.050	06/13/2022	ND	1.99	99.6	2.00	8.24	
Total Xylenes*	<0.150	0.150	06/13/2022	ND	6.18	103	6.00	7.67	
Total BTEx	<0.300	0.300	06/13/2022	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	48.0	16.0	06/13/2022	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	06/13/2022	ND	196	97.9	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	218	109	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 81.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.2 % 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:

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

Received: 06/10/2022
 Reported: 06/15/2022
 Project Name: CLFCA TRUNK LINE
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: ES8 (H222502-04)

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	06/13/2022	ND	2.12	106	2.00	8.50		
Toluene*	<0.050	0.050	06/13/2022	ND	2.12	106	2.00	9.04		
Ethylbenzene*	<0.050	0.050	06/13/2022	ND	1.99	99.6	2.00	8.24		
Total Xylenes*	<0.150	0.150	06/13/2022	ND	6.18	103	6.00	7.67		
Total BTX	<0.300	0.300	06/13/2022	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	48.0	16.0	06/13/2022	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	06/13/2022	ND	196	97.9	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	218	109	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 91.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 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:

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

Received: 06/10/2022
 Reported: 06/15/2022
 Project Name: CLFCA TRUNK LINE
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: ES9 (H222502-05)

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	06/13/2022	ND	1.89	94.5	2.00	8.01	
Toluene*	<0.050	0.050	06/13/2022	ND	1.88	94.0	2.00	8.37	
Ethylbenzene*	<0.050	0.050	06/13/2022	ND	1.87	93.3	2.00	6.67	
Total Xylenes*	<0.150	0.150	06/13/2022	ND	5.51	91.8	6.00	8.12	
Total BTX	<0.300	0.300	06/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	64.0	16.0	06/13/2022	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	06/13/2022	ND	196	97.9	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	218	109	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.9 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

Company Name: Apacure		P.O. #: 1111		ANALYSIS REQUEST	
Project Manager: Bruce B.		Company: Apacure			
Address: 1111 Main St.		Attn: John Doe			
City: Hobbs		Address: 1111 Main St.			
Phone #: 505-555-1234		City: Hobbs			
Project #: 1234		State: NM			
Project Name: Apacure		Phone #: 505-555-1234			
Project Location: Apacure Trunk Line		Fax #: 505-555-1234			
Sampler Name: John Doe					

FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL
H222502	ESL	C	1				
	ESI	C	1				
	ESA	C	1				
	ESR	C	1				
	ESQ	C	1				
		ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	
					6/19	11:00	CL
					6/19	11:30	Ext TPW
					6/19	11:32	BTEX
					6/19	11:48	
					6/19	11:50	

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Relinquished By: [Signature]	Date: 6/19	Received By: [Signature]	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:
Reinquired By: [Signature]	Date: 6/19	Received By: [Signature]	All Results are emailed. Please provide Email address:
Delivered By: (Circle One)	Observed Temp. °C: 4.9	Sample Condition: <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID #113
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 4.4	CHECKED BY: [Signature]	Correction Factor -0.5°C
REMARKS: Apacure Trunk Line		Bacteria (only) Sample Condition: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	



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

June 15, 2022

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CLFCA TRUNK LINE #3

Enclosed are the results of analyses for samples received by the laboratory on 06/10/22 16:38.

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.

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: 06/10/2022
 Reported: 06/15/2022
 Project Name: CLFCA TRUNK LINE #3
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 06/10/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: ES5 (H222503-01)

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	06/14/2022	ND	1.89	94.5	2.00	8.01	
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37	
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67	
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12	
Total BTEX	<0.300	0.300	06/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	48.0	16.0	06/13/2022	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	06/13/2022	ND	196	97.9	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	218	109	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 81.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.1 % 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: 06/10/2022
 Reported: 06/15/2022
 Project Name: CLFCA TRUNK LINE #3
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 06/10/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: ES3 (H222503-02)

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	06/14/2022	ND	1.89	94.5	2.00	8.01		
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	48.0	16.0	06/13/2022	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	06/13/2022	ND	196	97.9	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	218	109	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.7 % 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:	06/10/2022	Sampling Date:	06/10/2022
Reported:	06/15/2022	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: ES4 (H222503-03)

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	06/14/2022	ND	1.89	94.5	2.00	8.01	
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37	
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67	
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12	
Total BTEx	<0.300	0.300	06/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	48.0	16.0	06/13/2022	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	196	97.9	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	218	109	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 78.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 83.5 % 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:	06/10/2022	Sampling Date:	06/10/2022
Reported:	06/15/2022	Sampling Type:	Soil
Project Name:	CLFCA TRUNK LINE #3	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SPURS LINE (H222503-04)

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	06/14/2022	ND	1.89	94.5	2.00	8.01		
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12		
Total BTEx	<0.300	0.300	06/14/2022	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	544	16.0	06/13/2022	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2022	ND	214	107	200	3.87	
DRO >C10-C28*	<10.0	10.0	06/14/2022	ND	227	113	200	1.46	
EXT DRO >C28-C36	<10.0	10.0	06/14/2022	ND					

Surrogate: 1-Chlorooctane 93.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.9 % 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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO							ANALYSIS REQUEST										
Company Name: Apache							P.O. #:										
Project Manager: Bruce B.							Company:										
Address:							Attn:										
City: Hobbs							State: NM Zip: 88240										
Phone #:							Fax #:										
Project #:							City:										
Project Owner:							State:										
Project Location: CFC #3 Trade Lin							Zip:										
Sample Name: Joe Casale							Phone #:										
FOR LAB USE ONLY							Fax #:										
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	C1	EXT PH	BTEX
H22503	CS5	C	1			1							6/10	2:10	/	/	/
	CS3	C	1			1							6/10	2:45	/	/	/
	ES4	C	1			1							6/10	2:47	/	/	/
	Spurs Line		1			1							6/10	3:20	/	/	/
	6-13-22																

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Relinquished By: [Signature]	Date: 6/10	Received By: [Signature]
Time: 10:38		
Relinquished By: [Signature]	Date: 6/10	Received By: [Signature]
Time: 10:38		

Delivered By: (Circle One)
☒ UPS ☐ Bus ☐ Other:
Observed Temp. °C: 4.9
Corrected Temp. °C: 4.4
Sample Condition:
Cool Intact: ☒
Yes No
CHECKED BY: [Signature]
Initials: [Signature]
Turnaround Time: Standard ☒ Rush ☐
Thermometer ID #113
Correction Factor -0.5°C
Bacteria (only) Sample Condition:
Cool Intact: ☒
Yes No
Corrected Temp. °C: _____
Remarks: Cesar.cochran@apachecorp.com.
Verbal Result: ☐ Yes ☐ No Add'l Phone #: _____
All Results are emailed. Please provide Email address: _____



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.

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.
 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)

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, 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

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.
 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, SM4500Cl-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

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.
 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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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)

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) 97.8 % 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	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



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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: 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, SM4500CI-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, SM4500Cl-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, SM4500Cl-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



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:	06/16/2022
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)

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	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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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 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, SM4500Cl-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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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:	06/16/2022
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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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".

Celey D. Keene, Lab Director/Quality Manager



ANALYSIS REQUEST

Page 17 of 18



CARDINAL
Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]



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.

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, flowing style.

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:	06/23/2022	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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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:	06/23/2022	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, SM4500Cl-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



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:	06/23/2022	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, SM4500CI-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



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:	06/23/2022	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)

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) 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

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.
 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)

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	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

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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*=Accredited Analyte

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

Caley D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Keiser</u>				BILL TO				ANALYSIS REQUEST			
Project Manager: <u>Hayer Adams</u>				P.O. #:							
Address:				Company:							
City:				Attn:							
State:				Address:							
Zip:				City:							
Phone #:				Fax #:							
Project #:				Project Owner:							
Project Name: <u>Cedar Lake Cell</u>				State:				Zip:			
Project Location: <u>Loco Hills</u>				Phone #:							
Sampler Name: <u>Hayer</u>				Fax #:							

Lab I.D.		Sample I.D.		FOR LAB USE ONLY	
<u>H002704</u> 1 A1 2 A2 3 A3 4 B1 5 D1 6 D2		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX PRESERV. SAMPLING	
		DATE		TIME	
		<u>6/23</u>		<u>12pm</u>	

Chlorides TPH BTEX											
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Relinquished By: <u>[Signature]</u>		Date: <u>6-23-02</u>		Received By: <u>[Signature]</u>		Date: <u>6-23-02</u>	
Relinquished By: <u>[Signature]</u>		Date: <u>6-20</u>		Received By: <u>[Signature]</u>		Date: <u>6-20</u>	

Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: <u>-1.6</u>		Corrected Temp. °C: <u>-2.1</u>		Sample Condition <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Cool <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) <u>yo</u>	
Turnaround Time:		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Corrected Temp. °C <input type="checkbox"/>		Thermometer ID #113 <input type="checkbox"/> Correction Factor -0.5°C <input type="checkbox"/>		Remarks: <u>Bill to Apache (Bruce Baker)</u>	



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.

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.
 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



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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

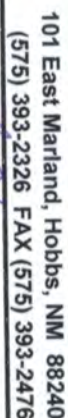
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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

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.

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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

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	Sampling Date:	06/29/2022
Reported:	06/30/2022	Sampling Type:	Soil
Project Name:	CEDAR LAKE	Sampling Condition:	Cool & Intact
Project Number:	LOCO HILLS	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE CORP - LOCO HILLS NM		

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	
Chloride	224	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

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".

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

[illegible]



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.

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:	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



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

Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

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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 157428

CONDITIONS

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 157428
	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 #NAPP2117355043 CLFCA TRUNK LINE, thank you. This closure is approved.	2/27/2023