Received by OCD: 11/9/2022 1:44:46 PM Form C-141 State of New Mexico Page 6 Oil Conservation Division

Incident ID nAPP2107730944

District RP

Facility ID

Application ID

Closure

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

Closure Report Attachment Checklist: Each of the following it	tems must be included in the closure report.
☐ A scaled site and sampling diagram as described in 19.15.29.1	11 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	ations. The responsible party acknowledges they must substantially inditions that existed prior to the release or their final land use in
OCD Only	
Received by: Robert Hamlet	Date: <u>2/24/2023</u>
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by: Robert Hamlet	Date: 2/24/2023
Printed Name Robert Hamlet	Title: Environmental Specialist - Advanced

Closure Request



Apache Corporation

CLFCA Trunk Line

nAPP2107730944

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I. Introduction

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

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

II. Site Assessment/Characterization

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

III. Remediation Activities

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

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

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

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

RXSoil, Inc. 201 Main St. Ste. 1360, Fort Worth, TX 76102 in that area until the soil tests clean, per strictest Table I guidelines for impacted soils. All samples were transferred on ice to a third-party lab for confirmation testing using NMOCD approved testing methods. A summary table of these results are shown in *Appendix D* with third-party laboratory reports in *Appendix E*. Remediated soil was then backfilled, with photos shown in *Appendix F*.

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

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

IV. Restoration, Reclamation and Re-Vegetation

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

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





CEB4 CEB3 CEB2 CEB1

SOUTH WALL

Legend

BOTTOM SAMPLE

SIDEWALL SAMPLE

EXCAVATION OUTLINE, 4'

APPENDIX A

C-141

Received by OCD: 11/9/2022 1:44:46 PM Form C-141 State of New Mexico Page 6 Oil Conservation Division

	Page 9 of 92
Incident ID	nAPP2107730944
District RP	
Facility ID	
Application ID	

Closure

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

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

☐ A scaled site and sampling diagram as described in 19.15.3	29.11 NMAC
Photographs of the remediated site prior to backfill or phomust be notified 2 days prior to liner inspection)	otos of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate C	ODC District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
and regulations all operators are required to report and/or file ce may endanger public health or the environment. The acceptance should their operations have failed to adequately investigate and human health or the environment. In addition, OCD acceptance compliance with any other federal, state, or local laws and/or regrestore, reclaim, and re-vegetate the impacted surface area to the accordance with 19.15.29.13 NMAC including notification to the	replete to the best of my knowledge and understand that pursuant to OCD rules extain release notifications and perform corrective actions for releases which he of a C-141 report by the OCD does not relieve the operator of liability of remediate contamination that pose a threat to groundwater, surface water, as of a C-141 report does not relieve the operator of responsibility for gulations. The responsible party acknowledges they must substantially be conditions that existed prior to the release or their final land use in the OCD when reclamation and re-vegetation are complete. Environmental Tech Sr. Staff Title: 11/9/2022 Date: Telephone: 432-215-2284
OCD Only	
Received by:	Date:
	arty of liability should their operations have failed to adequately investigate and ace water, human health, or the environment nor does not relieve the responsible and/or regulations.
Closure Approved by:	Date:
Printed Name:	Title:
_	

APPENDIX B

DEPTH TO GROUNDWATER DATA

Desert Sand Water Well Services, LLC.

Soil Bore Report

Info	Customer:				Phone:	Date:					
Well	Dimondba	ack Disposa	al/ Apack	e Corp.	575-631-9586	6/8/21					
\[\\ \\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Well Name:				Location:						
General	CLFCA	TrunkI	Line		32.8231731 -103.97652	21					
	DE	PTH									
	FROM	TO	THICKNESS (feet)	COLOR	LOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER BEARING CAVITIES OR FRACTURES						
	0	2	2		TOP SOIL						
	2	20	18		CALECHE / RED SAND						
	20	40	20		RED SAND						
	40	60	20		RED SAND / RED CALY STRIGER	S					
	60	80	20		RED CLAY						
	80	90	10		RED CLAY / GRAVEL						
	90	110	20		RED SAND						
		Metales .									
	VALUE OF THE SECOND OF THE SEC										
WE											
OF				AND THE RESIDENCE OF THE PROPERTY OF THE PROPE	DLE WAS LEFT OPEN FOR 72 HOUR THE						
				The same of the sa	THE BORE HOLE WAS DRY AFTER 72 HOURS						
0				PLUGGI	ED FROM THE BOTTOM OF THE HOLE T	O THE TOP WITH					
		Ang		Patrick Control of the	3/8 HOLE PLUG ON 6/11/21.						
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Released to Imaging: 2/24/2023 9:55:40 AM

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APPENDIX C

DELINEATION SUMMARY TABLE

Received by OCD: 11/9/2022 1:44:46 PM

					Ceda	r Lake Trun	k Line 1							
Campila Nama	Campula Tuna	Campula Data	Dessived	Lab ID Cample	Chloride	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	EXT DRO	TPH
Sample Name	Sample Type	Sample Date	Received	Lab ID Sample	Method 4500			8021B				80:	15M	
East Wall	SIDEWALL	5/16/2022	5/17/2022	H222080-02	128	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
North Wall	SIDEWALL	5/16/2022	5/17/2022	H222080-01	240	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
S WALL	SIDEWALL	6/13/2022	6/13/2022	H222548-02	80.0	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
W WALL	SIDEWALL	6/13/2022	6/13/2022	H222548-01	<16.0	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 1	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-01	5120	<0.05	< 0.05	<0.05	<0.15	<0.30	<10.0	10.8	<10.0	10.8
EB 2	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-02	3120	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	216	187	403
EB 3	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-03	7200	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	129	73.3	202
EB 4	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-04	6530	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 5	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-05	21000	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 6	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-06	5860	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	357	129	486
EB 7	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-07	4800	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	40.8	30.3	71.1
EB 9	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-09	18000	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	14.4	13.4	27.7
EB 10	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-10	17200	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 11	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-11	10800	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 12	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-12	72000	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 13	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-13	3840	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 14	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-14	23600	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 15	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-15	38000	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 16	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-16	4240	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 17	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-17	3600	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 18	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-18	32800	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 19	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-19	2800	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0
EB 20	BOTTOM, 4'	5/24/2022	5/25/2022	H222217-20	7460	<0.05	<0.05	<0.05	<0.15	<0.30	<10.0	<10.0	<10.0	<10.0

All results reported in mg/kg unless otherwise noted

APPENDIX D

TREATMENT SUMMARY TABLE

Received by OCD: 11/9/2022 1:44:46 PM

					Ceda	ar Lake Tre	atment Cel	l Data						
Sample	Sample	Cample Date	Dessived	Lab ID	Chloride	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	GRO	DRO	EXT DRO	TPH
Name	Туре	Sample Date	Received	Sample	Method 4500			8021B				80:	15M	
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
В3	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
В6	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 Th	hresholds, I	Remediation S	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



May 19, 2022

HAYES ADAMS

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: CEDAR LAKE TRUNK LINE (TL)

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

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Fax To: NA

Received: 05/17/2022 Sampling Date: 05/16/2022

Reported: 05/19/2022 Sampling Type: Soil

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: APACHE CORP - LOCO HILLS NM

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

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2022	ND	2.07	103	2.00	12.3	
Toluene*	<0.050	0.050	05/18/2022	ND	2.05	103	2.00	6.82	
Ethylbenzene*	<0.050	0.050	05/18/2022	ND	2.04	102	2.00	8.65	
Total Xylenes*	<0.150	0.150	05/18/2022	ND	6.23	104	6.00	9.50	
Total BTEX	<0.300	0.300	05/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	05/18/2022	ND	432	108	400	3.77	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2022	ND	189	94.3	200	2.40	
DRO >C10-C28*	<10.0	10.0	05/18/2022	ND	228	114	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	05/18/2022	ND					
Surrogate: 1-Chlorooctane	97.0	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	111 9	% 59.5-14	2						

Cardinal Laboratories *=Accredited Analyte

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

Celeg & Freene



Analytical Results For:

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

Fax To: NA

Received: 05/17/2022 Sampling Date: 05/16/2022

Reported: 05/19/2022 Sampling Type: Soil

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Shalyn Rodriguez

Project Location: APACHE CORP - LOCO HILLS NM

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

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2022	ND	2.07	103	2.00	12.3	
Toluene*	<0.050	0.050	05/18/2022	ND	2.05	103	2.00	6.82	
Ethylbenzene*	<0.050	0.050	05/18/2022	ND	2.04	102	2.00	8.65	
Total Xylenes*	<0.150	0.150	05/18/2022	ND	6.23	104	6.00	9.50	
Total BTEX	<0.300	0.300	05/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	69.9-14	0						
Chloride, SM4500CI-B	hloride, SM4500Cl-B mg/kg		Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	05/18/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/18/2022	ND	189	94.3	200	2.40	
DRO >C10-C28*	<10.0	10.0	05/18/2022	ND	228	114	200	11.8	
EXT DRO >C28-C36	<10.0	10.0	05/18/2022	ND					
Surrogate: 1-Chlorooctane	92.3	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	105 9	% 59.5-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keene

CHAIN-OF-CUSTODY AND A NALYSIS REQUEST

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Company N	
101 Ea (575	Lat
East Marland, Hobi 75) 393-2326 FAX (
FAX (5	ato
s, NM 88240 75) 393-2476	IES

Project Manager: Haye	5 Albans P.O. #:	ANALYSIS REQUEST
Address: City: Phone #: Project #: Project Name: Cella	any:	
Project Location: Sampler Name: FOR LABOUSE ONLY	Phone #: Fax #:	1
25.11	UDGE HER: PRESERV HER:	Chloride PH BTEX
Trunk Line No.	(G)R/ # COI GROI WAST OIL SLUD OTHE	ZOS ()
LEASE NOTE: Liability and Damuges. Caudinal's finebility malyses. All chilms including lines for negligiones and an order. In no event shall Candinal to liable for including liability in the control of	**************************************	by the client for the comments of the client for the client for the completion of the applicable on it is calculated.
Relinquished By:	Lime of Secretary Persons	Verbal Result: ☐ Yes ☐ No Add'! Phone #: All Results are emailed. Please provide Email address:
Delivered By: (Civil Cons.)	Time;	Bill to Apache (Brece Baker)
er:	Cool Intest Corrected Temp. C Cool Intest Corrected Temp. C Cool Intest Cool Intert Cool I	Turnaround Time: Standard Bacteria (only) Sample Condition



June 01, 2022

HAYES ADAMS

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: CEDAR LAKE TRUNK LINE (TL)

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

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

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

 Received:
 05/25/2022
 Sampling Date:
 05/24/2022

 Reported:
 06/01/2022
 Sampling Type:
 Soil

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

A ... - I. ... - - I D. .. CK

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: EB 1 (H222217-01)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.00	99.9	2.00	0.527	
Toluene*	<0.050	0.050	05/27/2022	ND	2.03	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.94	97.0	2.00	0.128	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	5.79	96.4	6.00	0.338	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5120	16.0	05/27/2022	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	10.8	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	121	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	135	% 59.5-14	2						

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Celeg D. Freene



Analytical Results For:

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

Fax To: NA

Received: 05/25/2022 Sampling Date: 05/24/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: EB 2 (H222217-02)

BTEX 8021B	mg,	/kg	Analyze	d By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.00	99.9	2.00	0.527	
Toluene*	<0.050	0.050	05/27/2022	ND	2.03	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.94	97.0	2.00	0.128	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	5.79	96.4	6.00	0.338	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3120	16.0	05/27/2022	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	216	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	187	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	116	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	151	% 59.5-14	12						

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Celecy D. Keene



Analytical Results For:

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

Fax To: NA

Received: 05/25/2022 Sampling Date: 05/24/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Applyzod By: CK

Project Location: APACHE CORP - LOCO HILLS NM

ma/ka

Sample ID: EB 3 (H222217-03)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: СК					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.00	99.9	2.00	0.527	
Toluene*	<0.050	0.050	05/27/2022	ND	2.03	102	2.00	1.38	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	1.94	97.0	2.00	0.128	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	5.79	96.4	6.00	0.338	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7200	16.0	05/27/2022	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	129	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	73.3	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	104	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	123	% 59.5-14	2						

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Celey D. Keene



Analytical Results For:

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

Received: 05/25/2022 Sampling Date: 05/24/2022 Reported: 06/01/2022 Sampling Type: Soil

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact

Shalyn Rodriguez Project Number: NONE GIVEN Sample Received By: Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: EB 4 (H222217-04)

BTEX 8021B	mg/	/kg	Analyze	d 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 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6530	16.0	05/27/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	106 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	119 9	% 59.5-14	2						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Fax To: NA

Received: 05/25/2022 Sampling Date: 05/24/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: EB 5 (H222217-05)

BTEX 8021B	mg/	kg	Analyze	d 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 %	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	21000	16.0	05/27/2022	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	98.1 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	110 %	6 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

RX-SOIL INC. HAYES ADAMS 201 MAIN STREET, SUITE 1360

FORT WORTH TX, 76102

Fax To: NA

Received: 05/25/2022 Sampling Date: 05/24/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Shalyn Rodriguez

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: EB 6 (H222217-06)

BTEX 8021B	mg/	kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	< 0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	5860	16.0	05/27/2022	ND	416	104	400	7.41	QM-07
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	357	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	129	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	116 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	160 9	59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Fax To: NA

Received: 05/25/2022 Sampling Date: 05/24/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Applyzod By: CV/

Project Location: APACHE CORP - LOCO HILLS NM

ma/ka

Sample ID: EB 7 (H222217-07)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a 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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4800	16.0	05/27/2022	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	40.8	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	30.3	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	112	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	128	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received: 05/25/2022 Sampling Date: 05/24/2022

Reported: 06/01/2022 Sampling Type: Soil Project Name:

CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Shalyn Rodriguez

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: EB 9 (H222217-09)

BTEX 8021B	mg/	kg	Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	18000	16.0	05/27/2022	ND	416	104	400	7.41	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	14.4	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	13.4	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	102 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	113 %	6 59.5-14	2						

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Celecy D. Keene



Analytical Results For:

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

Fax To: NA

Received: 05/25/2022 Sampling Date: 05/24/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Applyzod By: CV/

Project Location: APACHE CORP - LOCO HILLS NM

ma/ka

Sample ID: EB 10 (H222217-10)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	17200	16.0	05/27/2022	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	111	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	122	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



05/24/2022

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:

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Applyzod By: CV/

Project Location: APACHE CORP - LOCO HILLS NM

ma/ka

Sample ID: EB 11 (H222217-11)

RTFY 8021R

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 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	16.0	05/27/2022	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	102 5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	114 9	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

NA

Received: 05/25/2022 Sampling Date: 05/24/2022

Reported: 06/01/2022 Sampling Type: Soil

Fax To:

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Analyzed By: CK/

Project Location: APACHE CORP - LOCO HILLS NM

mg/kg

Sample ID: EB 12 (H222217-12)

BTEX 8021B

DIEX GOZID	11197	K9	Allulyzo	a by. cit/					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	72000	16.0	05/27/2022	ND	416	104	400	7.41	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	116	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	131	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received: 05/25/2022 Sampling Date: 05/24/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Shalyn Rodriguez

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: EB 13 (H222217-13)

BTEX 8021B	mg/	'kg	Analyze	d 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 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3840	16.0	05/27/2022	ND	416	104	400	7.41	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	97.4	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	109 9	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Fax To: NA

Received: 05/25/2022 Sampling Date: 05/24/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: EB 14 (H222217-14)

BTEX 8021B	mg	/kg	Analyze	ed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	23600	16.0	05/27/2022	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	117	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	134	% 59.5-14	2						

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Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Fax To: NA

Received: 05/25/2022 Sampling Date: 05/24/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: EB 15 (H222217-15)

BTEX 8021B	mg/kg		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	38000	16.0	05/27/2022	ND	416	104	400	7.41	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	113	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	127	% 59.5-14	2						

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Celeg D. Freene



Analytical Results For:

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

Received: 05/25/2022 Sampling Date: 05/24/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: EB 16 (H222217-16)

BTEX 8021B	mg/kg		Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	05/27/2022	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	102	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	113 9	% 59.5-14	2						

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Celeg D. Keine



Analytical Results For:

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

Received: 05/25/2022 Sampling Date: 05/24/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Shalyn Rodriguez

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: EB 17 (H222217-17)

BTEX 8021B	mg/	kg	Analyze	d 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 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3600	16.0	05/27/2022	ND	416	104	400	7.41	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	105 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	116 %	6 59.5-14	2						

Cardinal Laboratories *=Accredited Analyte

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Celecy D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Fax To: NA

Received: 05/25/2022 Sampling Date: 05/24/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Applyzod By: CV/

Project Location: APACHE CORP - LOCO HILLS NM

ma/ka

Sample ID: EB 18 (H222217-18)

RTFY 8021R

B1EX 8021B	тд/кд		Analyzed By: CK/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32800	16.0	05/27/2022	ND	416	104	400	7.41	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	108	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	120	% 59.5-14	2						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Fax To: NA

Received: 05/25/2022 Sampling Date: 05/24/2022

Reported: 06/01/2022 Sampling Type: Soil

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Applyzod By: CV/

Project Location: APACHE CORP - LOCO HILLS NM

ma/ka

Sample ID: EB 19 (H222217-19)

RTFY 8021R

BIEX 8021B	mg/kg		Anaiyze	a 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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2800	16.0	05/27/2022	ND	416	104	400	7.41	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	195	97.5	200	3.29	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	205	103	200	3.59	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	114	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	127	% 59.5-14	2						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

NA

Received: 05/25/2022 Sampling Date: 05/24/2022

Reported: 06/01/2022 Sampling Type: Soil

Fax To:

Project Name: CEDAR LAKE TRUNK LINE (TL) Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Shalyn Rodriguez

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: EB 20 (H222217-20)

BTEX 8021B	mg/	kg	Analyze	d By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/27/2022	ND	2.14	107	2.00	1.22	
Toluene*	<0.050	0.050	05/27/2022	ND	2.12	106	2.00	2.12	
Ethylbenzene*	<0.050	0.050	05/27/2022	ND	2.07	104	2.00	1.68	
Total Xylenes*	<0.150	0.150	05/27/2022	ND	6.42	107	6.00	1.38	
Total BTEX	<0.300	0.300	05/27/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7460	16.0	05/27/2022	ND	416	104	400	7.41	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/27/2022	ND	194	96.8	200	1.63	
DRO >C10-C28*	<10.0	10.0	05/27/2022	ND	185	92.5	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	05/27/2022	ND					
Surrogate: 1-Chlorooctane	107 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	111 9	6 59.5-14	2						

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Celecy D. Keene



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

ecovery.

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

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries of 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.

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

CHAIN-OF-CUSTODY AND A NALYSIS REQUEST

Received

Discline - UPS - Bus - Other:

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Corre

Received

Corre

Corre Sampler Name: Project Name: Phone #: roject Location: Project #: City: FOR LAB USE ONLY Lab I.D. Address Project Manager: Company Name: サンシュングロ Sample I.D. 000 Corrected Temp. °C 10.50 Observed Temp. °C | 08 † Cardinal cannot accept verbal stanges. Please email changes to coloy,keene@cardinallabsnm.com Date: Project Owner: Fax #: State: MANK. Received By: Received By: (G)RAB OR (C)OMP Zip: # CONTAINERS Yes A Yes Sample Condition GROUNDWATER randa lis writing and received by Guidinat within 30 days rates compission of the appears hierarchicans, lass of tree, or less of profits incurred by client, the exhibitions, WASTEWATER SOIL MATRIX OIL SLUDGE OTHER: State: City Phone #: Fax #: P.O. #: Attn: Company: Address: CHECKED BY: ACID/BASE PRESERV ICE / COOL OTHER : BULL 5/24 DATE 70 SAMPLING Bill to Apache Correction Factor Tome -0.5 Turnaround Time: Verbal Result: ☐ Yes ☐ No | Add'l Phone #:
All Results are emailed. Please provide Email address: d by the client for the 12:151-TIME hbrides Standard TPH BITEX ANALYSIS Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C

Yes Yes
No Corrected Temp. °C (Bruce Baker REQUES Corrected Temp. °C



June 17, 2022

BRUCE BAKER APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: CLFCA

Enclosed are the results of analyses for samples received by the laboratory on 06/14/22 16:05.

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

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 06/14/2022
Reported: 06/17/2022
Project Name: CLFCA

Project Number: CFLCA #2
Project Location: NOT GIVEN

Sampling Date: 06/13/2022

Sampling Type: Soil

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

Sample ID: W. WALL (H222548-01)

BTEX 8021B	mg/kg		Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2022	ND	2.19	109	2.00	7.80	
Toluene*	<0.050	0.050	06/15/2022	ND	2.17	108	2.00	7.64	
Ethylbenzene*	<0.050	0.050	06/15/2022	ND	2.09	104	2.00	7.66	
Total Xylenes*	<0.150	0.150	06/15/2022	ND	6.46	108	6.00	7.65	
Total BTEX	<0.300	0.300	06/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	06/15/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2022	ND	168	84.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	06/15/2022	ND	167	83.4	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	06/15/2022	ND					
Surrogate: 1-Chlorooctane	84.5	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	92.8	% 59.5-14	2						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



Analytical Results For:

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

Received: 06/14/2022 Reported: 06/17/2022

Project Name: CLFCA Project Number: CFLCA #2 Project Location: NOT GIVEN Sampling Date: 06/13/2022

Sampling Type: Soil

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

Sample ID: S. WALL (H222548-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/15/2022	ND	2.19	109	2.00	7.80	
Toluene*	<0.050	0.050	06/15/2022	ND	2.17	108	2.00	7.64	
Ethylbenzene*	<0.050	0.050	06/15/2022	ND	2.09	104	2.00	7.66	
Total Xylenes*	<0.150	0.150	06/15/2022	ND	6.46	108	6.00	7.65	
Total BTEX	<0.300	0.300	06/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/15/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/15/2022	ND	168	84.0	200	3.89	
DRO >C10-C28*	<10.0	10.0	06/15/2022	ND	167	83.4	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	06/15/2022	ND					
Surrogate: 1-Chlorooctane	87.6	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	96.0	% 59.5-14	2						

Cardinal Laboratories *=Accredited Analyte

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Celecy D. Keene

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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

Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

HOCAL MO	BILL TO	ANALYSIS REQUEST
Project Manager: Bruce Bolice	P.O. #:	
	Company:	
City: Hobbos State: VI	State: NU Zip: 88240 Attn:	
Phone #: Fax #:	Address:	1
Project #: Project Owner:	ner: City:	
Project Name:	State: Zip:	
Project Location: CLECA #2	#:	
Sampler Name: De Chasustas	€. Fax#:	
FOR LAB USE ONLY	MATRIX	\ \
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: CE) COOL OTHER:	CL EXTPH BIEX
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EASE NOTE: Liability and Damanes Condinate Galdinate and allowed and an annual statements.		
nalyses. All claims including those for negligence and any other cause whatscever shall invited in no event shall cardinal be liable for incidental or consequential damages, includities or successors arising out of or related to the performance of services hereunder by Rellinguished, By:	Nelson. All claims including those for negligence and any other cause whatsoever shall be deemed when used in coursed or ort, shall be intaid to the amount paid by the client for the whole. In one event shall Cardinal be liable for incidental or consequential damages, including without limitation, business made in withing and received by Cardinal within 30 days after completion of the applicable finishes or successors arising out of or related to the performance of services hereunder by Cardinals, regardless of whether such claim is based upon any of the above stated reasons or otherwise. **Reference But** **Ref	pplicable
and for	ma floballoge	Verbal Result: □ Yes □ No Add'i Phone #: All Results are emailed. Please provide Email address: Enux, Lux, Jux REMARKS:
Delivered By: (Circle One) Observed Temp. °C sampler - UPS - Bus - Other: Corrected Temp. °C	Sample Condition CHECKED BY: Cool Intact (Initials) A Pres Pres No No No	Turnaround Time: Standard Bacteria (only) Sample Condition Rush Cool Infact Observed Temp. °C Thermometer ID #113 Correction Factor -0.5°C Correction Factor -0.5°C



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/ga/lab_accred_certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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		Analyze	d 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d 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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	106	% 59.5-14	2						

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Celey D. Keine



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 Sample Received By: Project Number: NOT GIVEN Tamara Oldaker

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: A 5 (H222613-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	06/21/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	66.9-13	6						
Surrogate: 1-Chlorooctadecane	112 %	6 59.5-14	2						

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Celey D. Keene



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

Analyzed By: JH

Project Location: APACHE CORP - LOCO HILLS NM

mg/kg

Sample ID: B 3 (H222613-03)

BTEX 8021B

	9/	9	7	7: 5::					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	111 9	% 59.5-14	2						

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Celey D. Keene



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

Analyzed By: 14

Project Location: APACHE CORP - LOCO HILLS NM

ma/ka

Sample ID: B 4 (H222613-04)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	a 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	% 69.9-14	0						
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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	111	% 59.5-14	2						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Analyzed By: 14

Project Location: APACHE CORP - LOCO HILLS NM

ma/ka

Sample ID: B 5 (H222613-05)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2022	ND	1.86	93.0	2.00	3.29	
Toluene*	<0.050	0.050	06/21/2022	ND	1.87	93.4	2.00	3.27	
Ethylbenzene*	<0.050	0.050	06/21/2022	ND	1.79	89.5	2.00	3.19	
Total Xylenes*	<0.150	0.150	06/21/2022	ND	5.59	93.1	6.00	3.61	
Total BTEX	<0.300	0.300	06/21/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 69.9-14	0						
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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	124	% 59.5-14	2						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Analyzed By: 14

Project Location: APACHE CORP - LOCO HILLS NM

ma/ka

Sample ID: B 6 (H222613-06)

RTFY 8021R

B1EX 8021B	mg	/ kg	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	06/21/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	121	% 59.5-14	2						

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Celeg D. Freene



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

Analyzed By: 14

Project Location: APACHE CORP - LOCO HILLS NM

ma/ka

Sample ID: C 1 (H222613-07)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a 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	% 69.9-14	0						
Chloride, SM4500Cl-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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	117	% 59.5-14	2						

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Celeg D. Freene



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

Analyzed By: JH

Project Location: APACHE CORP - LOCO HILLS NM

mg/kg

Sample ID: C 3 (H222613-08)

BTEX 8021B

	9/	9	7	7: 5::					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 9	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	119	% 59.5-14	2						

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Celey D. Keens

Celey D. Keene, Lab Director/Quality Manager



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: Sample Received By: NOT GIVEN Tamara Oldaker

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: C 4 (H222613-09)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	69.9-14	0						
Chloride, SM4500CI-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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	117 9	6 59.5-14	2						

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Celey D. Keene



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 Sample Received By: Project Number: NOT GIVEN Tamara Oldaker

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: C 6 (H222613-10)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	06/21/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	122 9	6 59.5-14	2						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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 Sample Received By: Project Number: NOT GIVEN Tamara Oldaker

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: A 6 (H222613-11)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	06/21/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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 %	66.9-13	6						
Surrogate: 1-Chlorooctadecane	118 9	6 59.5-14	2						

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Celey D. Keene



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

Analyzed By: JH/

Project Location: APACHE CORP - LOCO HILLS NM

mg/kg

Sample ID: B 1 (H222613-12)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	.u Dy. 3117					
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed 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	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	121	% 59.5-14	2						

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Celeg D. Freene



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

Applyzod By: 1H /

Project Location: APACHE CORP - LOCO HILLS NM

ma/ka

Sample ID: B 2 (H222613-13)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	ea 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	06/21/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	113	% 59.5-14	2						

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Celeg D. Freene



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: Sample Received By: NOT GIVEN Tamara Oldaker

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: C 5 (H222613-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyze	d 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	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 66.9-13	6						
Surrogate: 1-Chlorooctadecane	118 9	% 59.5-14	2						

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Celecy D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keine



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

Company Name:	(XXSail	BILL TO	ANALYSIS REQUEST
Project Manager:	M4+1	P.O. #;	
Address:		Company: Apolhe	
City:	State: Zip:	Attn: Bace Bake	
Phone #:	Fax #:		
Project #:	Project Owner:	City	
Project Name:	Codur cure	State: Zip:	
Project Location:	Lego Hills	**	
Sampler Name:	13/4+	Fax#:	
FOR LABUSE ONLY	of taperation to the same of	MATRIX PRESERV. SAMPLING	dg
Lab I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER	WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE/COOL OTHER: DATE	Btex
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2 2	6-17-22 Time: 2	-	Verbal Result: Yes No Add' Phone #: All Results are emailed. Please provide Email address:
Binquished BV:	Date: Received By	By: REMARKS:	**
ellvered By: (Circle One) ampler - UPS - Bus - Other:	Observed Temp. °C 0.4%	Sample Condition CHECKED BY: Turnaround Time: Cool Intact (Initials) Thompometer ID #1	Standard Bacteria (only) S
	+	ges. Please email changes to celey k	eno@cardinallabsam.com

+ Cardinal cannot accent uerhal channee Please fav written channes to (675) 302-2326



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(5	(575) 393-2326 FAX (575) 393-2476	93-2476		in the later of th	in in	
Company Name:	RXSoil		BILL TO		ANALYSIS REQUEST	
Project Manager:	Matt	P.C	P.O. #:	t t		
Address:		Cor	Company: April	le.	De Line	
City:	State:	Zip:	n: Brace Belov		Den 1 - Si	
Phone #:	Fax #:		Address:		d e	
Project #:	Proje	Project Owner: City:	y:	ingi ingi		
Project Name:	Coder Lake	State:	te: Zip:	2		
Project Location:	Loco Hills	Ph	Phone #:			
Sampler Name:	Mark	Fax #	*			
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER:	Chlor TPH Btex		
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14	CS	8	6/16	5:02 / /		
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PLEASE NOTE: Liability and D analyses. All claims including to service. In no event shall Card	Damages. Cardinal's liability and client's exclush hose for negligence and any other cause whats inal be liable for incidental or consequential dam	PLEASE NOTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 20 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 claim, its subsidiaries.	, shall be limited to the amount paid ved by Cardinal within 30 days after use, or loss of profits incurred by ck	by the client for the completion of the applicable lent its subsidiaries.		
Relinquished By:	ed By: Date: G - 1 Time:	22 Received By:		Phone Result:	No Add'I Phone #: No Add'I Fax #:	
Relinquished By:	Date:	Received By:	Raghall	NEHIOTANA.		
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	10.4.0	Sample Condition Cool Intact Thes Thes	CHECKED BY: (Initials)			
- condition	1	#	4			



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/ga/lab accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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	Analyze	d 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	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	06/27/2022	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 42.5-16	1						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



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	Analyze	ed 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	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	06/27/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 42.5-16	1						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



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

Analyzed By: JH

Project Location: APACHE CORP - LOCO HILLS NM

mg/kg

Sample ID: A 3 (H222704-03)

BTEX 8021B

	979		7,200. 27. 51.						
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	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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	% 42.5-16	1						

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Celeg & Kreens



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 Sample Received By: Project Number: NOT GIVEN Tamara Oldaker

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: B 1 (H222704-04)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	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	1						
Surrogate: 1-Chlorooctadecane	91.8	% 42.5-16	1						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

Analyzed By: JH

Project Location: APACHE CORP - LOCO HILLS NM

mg/kg

Sample ID: D 1 (H222704-05)

BTEX 8021B

DILX GOZID	iiig/	, kg	Alldiyzo	u by. 511					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2022	ND	2.04	102	2.00	0.655	
Toluene*	<0.050	0.050	06/25/2022	ND	2.01	100	2.00	0.690	
Ethylbenzene*	<0.050	0.050	06/25/2022	ND	1.95	97.6	2.00	0.399	
Total Xylenes*	<0.150	0.150	06/25/2022	ND	5.75	95.8	6.00	1.11	
Total BTEX	<0.300	0.300	06/25/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 69.9-14	0						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	06/27/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 42.5-16	1						

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Celey D. Keene



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 Sample Received By: Project Number: NOT GIVEN Tamara Oldaker

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: D 2 (H222704-06)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	69.9-14	0						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	06/27/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	1						
Surrogate: 1-Chlorooctadecane	96.3	% 42.5-16	1						

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Celey D. Keene



Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

Company Name:	R. Sail		BILL TO	ANALYSIS REQUEST	
Project Manager:	Hares Adams		P.O. #:		
Address:			Company:		
City:	State:	Zip:	Attn:		
Phone #:	Fax #:		Address:		
Project #:	Project Owner:	ner:	City:		
Project Name:	edar lake Cell		State: Zip:		
Project Location:	Loco Hills		Phone #:		
Sampler Name:			Fax #:		
FOR LAB USE ONLY	o	MATRIX	PRESERV. SAMPLING	11	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	Ch lo	
27-	43			12pm	
4	CA HA				
50	20				
PLEASE NOTE: Liability and Dam analyses. All claims including thos service. In no event shall Cardinal affiliates or successors arising out of	PLEASE NOTE: Liability and Damages, Cardinat's liability and client's exclusive remedy for any claim arising whether based in contract or tort, ahall be limited to the amount paid by the client for the palayses. All claims including those for negligance and any other cause whitshower shall be deemed waived unless made in writing and received by Cardinal whith 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequented damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by Cardinal be liable for incidental or consequented damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by Cardinal be above that of case or or otherwise.	v any claim arising whether based in contract or be deemed waived unless made in writing and ling without limitation, business interruptions, lo w Cardinal repartises of whether such claim is	ir tort, shall be limited to the amount paid received by Cardinal within 30 days after see of use, or loss of profits incurred by old hased upon any of the above stated reach the second upon any of the above stated reach	by the client for the completion of the applicable completion of the applicable cont. It is subsidiarities.	
Relinquished By:	Da	ceive	I By: Verbal Results All Results	All Results are emailed. Please provide Email address:	
Relinquished By:	Date:	Received By:	Š	REMARKS: Bill - 6 Apache Bruce BAKEN	BAKEY)
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	One) Observed Temp. °C . (Sample Condition Cool Intact Cool Yes Tyes	CHECKED BY:	Turnaround Time: Standard ✓ Bacteria (only) Sample Condition Rush Cool Intact Observed Temp. Thermometer ID #113 ☐ Yes ☐ Yes	Sample Condition Observed Temp. °C



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/ga/lab accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

A I J D. ... 711

Project Location: APACHE CORP - LOCO HILLS NM

Sample ID: C 2 (H222770-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	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 9	% 69.9-14	0						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	06/29/2022	ND	448	112	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	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	% 42.5-16	1						

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Celey & Keene

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Project Manager: Address: State: Zip: Attn: Project Name: Project Name: Coa Hilly Sampler Name: Fosture Use Only Sample I.D. Sample I.D. Sample I.D. Sample I.D. Sample I.D. GROUNDWATER WASTEWATER SOIL OIL GROUNDWATER WASTEWATER SOIL OIL GROUNDWATER WASTEWATER SOIL OIL GROUNDWATER WASTEWATER SOIL OIL GROUNDWATER WASTEWATER SOIL OTHER: DATE TIME TIME	State: Zip: Attn: Fax #: City: State: Zip: Attn: Fax #: City: State: Zip: Zip: State: Zip: Zip: Zip: Zip: Zip: Zip: Zip: Zip	Company Name:	(575) 393-2326 FAX (575) 393-2476		BILL TO	ANA	ANALYSIS REQUEST
State: Zip: Fax #: Project Owner: City: Address: GROUNDWATER WASTEWATER WASTEWATER ACID/BASE: ICE / COOL OTHER: ACID/BASE: ICE / COOL OTHER: CITY: Address: Phone #: Presserv. SAMPLING OTHER: ACID/BASE: ICE / COOL OTHER: CITY: Address: Phone #: Presserv. SAMPLING OTHER: ACID/BASE: ICE / COOL OTHER: CITY: Address: Phone #: PATE TIME CITY	State: Zip: Fax #: Address: City: State: Zip: Project Owner: City: State: Zip: Project Owner: Project Owner: State: Zip: State: Zip: Project Owner: State: Zip:	Project Manager:	HAVE Adams	P.O.	#		
Sample I.D. State: Zip: Phone #: Phone #: Preserv Sampling Phone #: P	State: Zip: Address: Address	Address:	the state of the s	Соп	npany:		
Sample I.D. Sample I.D. Sample I.D. State: Zip: State: Zip: Phone #: Fax #: ACID/BASE: ICE / COOL OTHER: ACID/BASE: ICE / COOL OTHER: ACID/BASE: ACID/B	Project Owner: City: State: Zip: Shart #: Phone #:	City:			n		
Sample I.D. Sample I.D. Sample I.D. Sample I.D. GORAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL ACID/BASE: IC	State: Zip: State: Zip: Share: Zip: Share	Phone #:	Fax #:	Add	ress:		
State: Zip: Sample I.D. GORAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER: ACID/BASE: ICE / COOL OTHER: ACID/BASE: ICE / COOL OTHER: ACID/BASE: ICE / COOL OTHER: ACID/BASE: ICE / COOL OTHER: ACID/BASE: ACID/	State: Zip: Phone #: PRESERV SAMPUNG GO A #: GO A #: GO A TAIN WATER GO A	Project #:	Project Owner:	City			
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pplicable	Date: Received By: Time: Cele One) Observed Temp. °C 2 Sample Condition CHECKED BY: Cool Intact (Initials) Thermometer ID #113 Corrected Temp. °C 2 Pres Pres Correction Factor -0.5°C Corrected Temp. °C 1 Green Pres Correction Tector -0.5°C	affiliates or successors arising out o Relinquished By:	of or related to the performance of services hereunder by Cs. Date: 38-22 Times: (10)	Received By:		/erbal Result: ☐ Yes ☐ No Add Ill Results are emailed. Please provide t	mail address:
PLEASE NOTE: Liability and Damages. Cardinat's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be finited to the amount paid by the client for the annual paid any the client of the applicable annayses. All claims including those for negligence and any other cause whatsoewer shall be deemed waived unless made in writing and neceived by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal to include for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries. Relinates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Verbal Results are emailed. Please provide Email address Times: Times:	Observed Temp. °C (Cool Intact (Initials) Corrected Temp. °C (Cool Intact (Initials) Corrected Temp. °C (Cool Intact (Initials) Correction Factor -0.5°C	Relinquished By:	0	Received By:	remp	REMARKS: Bypache	Conce
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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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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, SM4500CI-B	mg,	/kg	Analyze	d 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

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

Celey D. Keens

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keene

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(6	(575) 393-2326 FAX (575) 393-2476	2476		ANALYSIS DECLIEST
Company Name:	KxSo.)	BILL	1 70	ANALTOIS REGOES!
Project Manager:	HAYES HOAMS	P.O. #:		
Address:		Company:		
City:	State:	Zip: Attn:		
Phone #:	Fax#:	Address:		
Project #:	Project Owner:	er: City:		
Project Name:	Celler Lake	State:	Zip:	
Project Location:	Loco Hiris	Phone #:		
Sampler Name:	KHAVE S	Fax #:	L	
FOR LAB USE ONLY	1 - 11 - 11 - 11	MATRIX PRESERV.	SAMPLING	
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	
hanan	32		6/29 120	
PLEASE NOTE: Liability and Da	magos. Cardinal's liability and client's exclusive remedy; ose for negligence and any other cause whatsoever shall	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tork, shall be limited to the amount paid by the client for the snakes. All claims including those for regulators and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable	to the amount paid by the client for the ethics after completion of the applicable	
affiliates or successors arising or Relinquished By:	at of or related to the performance of services hereunder by C	Relinquished By: Date: Results a Received By:	lt: ☐ Yes re emailed. Ple	□ No Add'i Phone #: ase provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:	D
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	le One) Observed Temp. °C 3.00 cs - Other: Corrected Temp. °C 4/16	Sample Condition Cool Intact Yes Yes	CHECKED BY: Turnaround Time: Stan Hnitials) Thermometer ID #113 Correction Factor -0.5°C	Standard Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Pes Yes Yes No Corrected Temp. °C
		ŀ		



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/ga/lab accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	07/07/2022	ND	432	108	400	0.00	

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keine

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Relinquished By:	Manual Ma	analyses. All claims including those service. In no event shall Cardinal be affiliates or successors arising out of	PLEASE NOTE: Liability and Damag			H223897	Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name:	Project #:	Phone #:	City:	Address:	Project Manager:	Company Name:
Other: Corrected Temp. °C	Date:	Time:4:26	ling those for negligence and any other cause whatsoever sha Cardinal be liable for incidental or consequental damages, inci sing out of or related to the performance of services hereunde	ges. Cardinal's liability and client's suclusive remedy		Cd		Sample I.D.		Hayes Ada-5	Loco Hills	COAR LAKE	Project Owner:	Fax #:	State:	,	Hayes Adams	Bx Soil
°C //,0 Sample Condition Cool Infact °C /0.5 Yes 3 Yes	Received By:	D RECEIVED BY:	analyses. All claims including those for negligence and any other cause whatsoewer shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, repartiless of whether such claim is based upon any of the above stated reasons or otherwise.	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the			# CO		MATRIX		2	S		A	Zip: A	C	0	
CHECKED BY: (Initials)		Make	ived by Cardinal within 30 days after of use, or loss of profits incurred by clic ed upon any of the above stated reas	t, shall be limited to the amount paid		3//4	OTHE	BASE:	PRESERV. SAMPLING		Phone #:	State: Zip:	City:	Address:	Attn:	Company:	P.O. #:	BILL TO
Turnaround Time: Thermometer ID #113 Correction Factor -0.5°C	REMARKS:	Verbal Result: All Results are emailed.		y the client for the		2. Kpn X	TIME	Chlo			r'S						_	
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Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Yes Yes No. Corrected Temp. °C	(Brave Baker)	Add'l Phone #: ide Email address:								7 -							- 1	ANALYSIS REQUEST

APPENDIX F

SITE PHOTOGRAPH



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

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

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

CONDITIONS

Action 157426

CONDITIONS

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

CONDITIONS

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