



April 25, 2023

New Mexico Oil Conservation Division  
1220 South St. Francis Drive  
Santa Fe, New Mexico 87505

Re: Closure Request  
Apache Corporation EAU M9  
nAPP2121456443

RXSoil, Inc. is pleased to submit the closure request for the on-site remediation of impacted soil for the above release.

Sincerely,

Jace Caraway  
Chief Operating Officer  
Rxsoil, Inc.  
(940) 210-2051

Maverick Mickle  
Technical Engineer  
Rxsoil, Inc.  
(682) 351-5435

**RXSoil, Inc.**  
105 W Main St. Decatur, TX 76234

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## I. Introduction

On behalf of Apache Cooperation, RXSoil, Inc. ("RXSoil") has prepared this closure report that describes the remediation of the release of produced water and crude oil.

The release occurred on 08/01/2021 in D-11-18S-27E (see *Figure 1* for Vicinity Map) at approximate coordinates 32.767600, -104.256500. It was reported that 145 barrels of produced water and 20 barrels of crude oil were released. 5 barrels of crude oil were recovered during the initial response.

## II. Site Assessment/Characterization

1. **Site Map** – The site is located about 15mi SE of Artesia NM. See *Figure 2*
2. **Depth to ground water** – RA 03917 POD is the nearest water well (listed in *Appendix B*) and has detected water at 50' with a well depth of 130', recorded 08/06/1958. The nearest water well is within ½ mile from location. Remediation standards will follow the thresholds stated in Table I for depth to water ≤ 50 feet.
3. **Wellhead protection area** – The nearest water source within a half mile of the release is RA 03917 POD (see *Figure 3*).
4. **Distance to nearest significant watercourse** – There are no known significant watercourses within 0.5 miles (see *Figure 3*).
5. **Soil/waste characteristics** – An initial delineation was completed on 09/09/2021 to guide excavation. Hydro excavation began on 10/24/2022 and excavation began on 10/25/22; field sampling guided the excavation. Sample points are shown in *Figure 2* with results summarized in *Appendix C*. Lab data is displayed in *Appendix D*. The release is in a high Karst area. Horizontal excavation has consisted of sampling sidewalls (composites representing <200 square feet) to verify each wall is below thresholds listed in NMAC 19.15.29.13.D.1 (600 mg/kg chloride) and Table I (100 mg/kg TPH, 50 mg/kg BTEX, 10 mg/kg benzene). Vertical delineation has consisted throughout the spill area to clean material per Table I. Due to the size of the release and lack of groundwater, bottom samples that have been collected represent <500 square feet each. Sampling will continue throughout the spill area.

### III. Remediation Plan

RXSoil's core process of on-site remediation is being 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 placed around the perimeter of the cell area. A 20-mil reinforced poly liner was installed 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 contaminated soil. Due to the amount of soil being treated, after successful treatment within the cell, the soil was unloaded and then reloaded again with more contaminated soil. There was a total of 2 flips done to treat 4995 cu yards. There was also an approved variance request for 752mg/kg chlorides on soil samples for this location.

To confirm successful treatment, a grid of confirmation samples was gathered at the bottom 12" of the treatment profile with one sample representing no more than 100 cubic yards. Using the two-dimensional requirements of 200 square feet per sample, RXSoil calculates the need for one sample per 100 cubic yards when dealing with a volume of soil:

$$200 \text{ ft}^2 = 14.14' \times 14.14'$$
$$(14.14')^3 = 2,827 \text{ ft}^3 = 105 \text{ yds}^3$$

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

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

Following remediation, RXSoil will drill in seed at the discretion of the appropriate surface owners (BLM). RXSoil will continue to monitor this area to ensure growth.

VARIANCE  
REQUEST

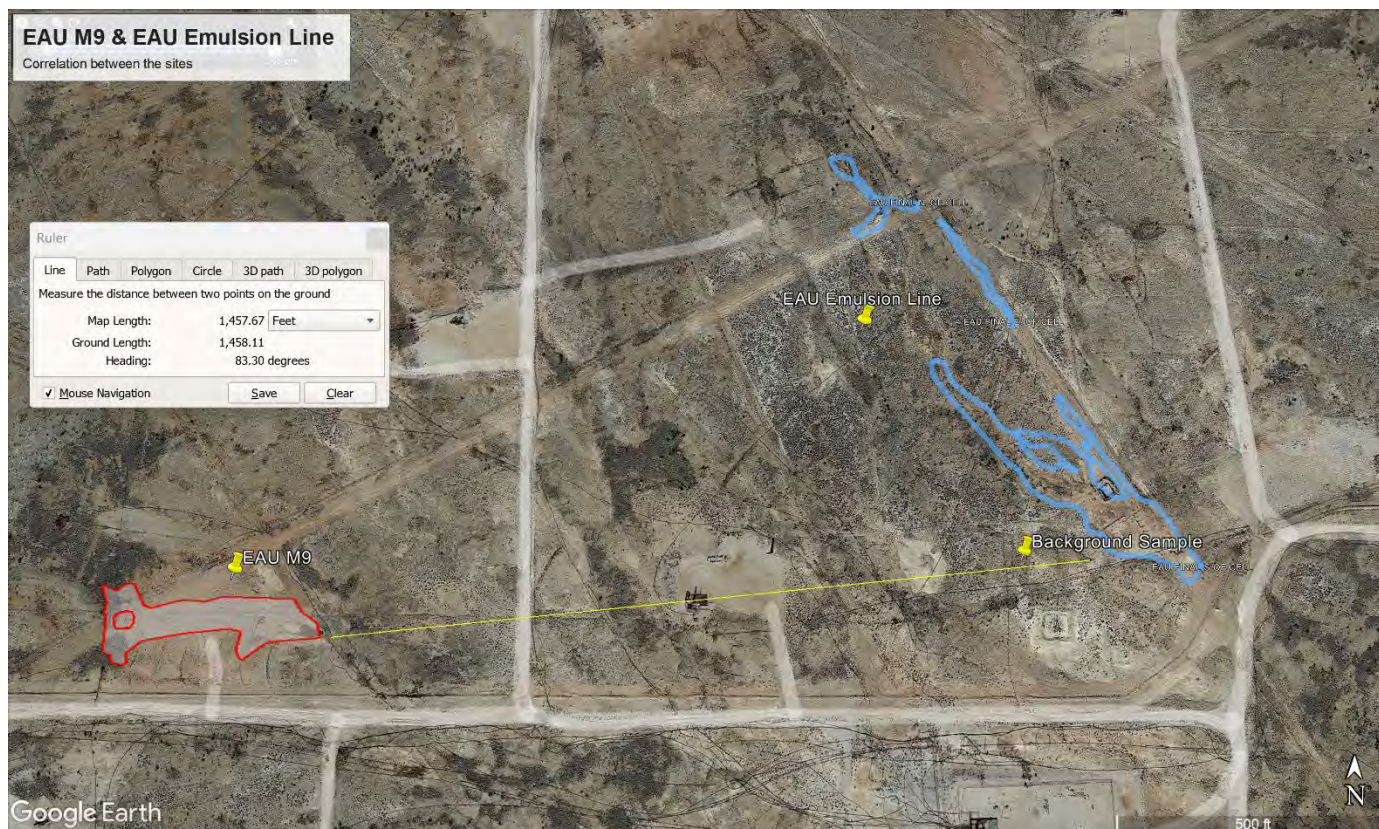
**RXSoil, Inc.**  
**105 W Main St. Decatur, TX 76234**

To: NMOCD

RXSoil is remediating the site EAU M9 (nAPP2121456443) which is adjacent to the EAU Emulsion Line (NaB1606057005); approximately 350 yards apart. We are experiencing the same clay layer and near identical lithology at the M9 that we experienced at the Emulsion line.

Due to the proximity of both sites, we would like to ask for the same variance request of 752mg/kg chlorides that was granted on the EAU Emulsion Line (NaB1606057005); to be granted on the EAU M9 (nAPP2121456443).

The rationale for the request is the proximity of previous background samples achieving variance request approvals. See correspondence below.



Incident #	PROJECT	METHODCODE	ANALYTE	RESULT
nAB1606057005	EAU	Sieve Analysis 8,16,20,30,50 %Passing	16 mesh (1.18mm) passed	33.2
nAB1606057006	EAU	Sieve Analysis 8,16,20,30,50 %Passing	20 mesh (0.86mm) passed	27.9
nAB1606057007	EAU	Sieve Analysis 8,16,20,30,50 %Passing	30 mesh (0.60mm) passed	20.3
nAB1606057008	EAU	Sieve Analysis 8,16,20,30,50 %Passing	50 mesh (0.297 mm) passed	0.87
nAB1606057009	EAU	Sieve Analysis 8,16,20,30,50 %Passing	8 mesh (2.38 mm) passed	51
nAB1606057010	EAU	Texture - 24 Hour	Clay, Percent	27.5
nAB1606057011	EAU	Texture - 24 Hour	Sand, Percent	32.5
nAB1606057012	EAU	Texture - 24 Hour	Silt, Percent	40
nAB1606057013	EAU	Texture - 24 Hour	Textural Class	Clay Loam
Napp2121456443	M9	Sieve Analysis 8,16,20,30,50 %Passing	16 mesh (1.18mm) passed	63.9
Napp2121456444	M9	Sieve Analysis 8,16,20,30,50 %Passing	20 mesh (0.86mm) passed	63.6
Napp2121456445	M9	Sieve Analysis 8,16,20,30,50 %Passing	30 mesh (0.60mm) passed	60.1
Napp2121456446	M9	Sieve Analysis 8,16,20,30,50 %Passing	50 mesh (0.297 mm) passed	26.8
Napp2121456447	M9	Sieve Analysis 8,16,20,30,50 %Passing	8 mesh (2.38 mm) passed	77.5
Napp2121456448	M9	Texture - 24 Hour	Clay, Percent	27.5
Napp2121456449	M9	Texture - 24 Hour	Sand, Percent	42.5
Napp2121456450	M9	Texture - 24 Hour	Silt, Percent	30
Napp2121456451	M9	Texture - 24 Hour	Textural Class	Clay Loam

**From:** Billings, Bradford, EMNRD <Bradford.Billings@emnrd.nm.gov>  
**Sent:** Tuesday, November 8, 2022, 9:39 AM  
**To:** stan.mickle@rxsoil.solutions  
**Subject:** RE: [EXTERNAL] Correlation/Proximity between nAB1606057005 & nAPP2121456443

Hi,

In general, I am okay with request, however, please tag a variance request to the remediation plan so it can be signed off. Including the rationale for the request. Thanks.

Bradford Billings

EMNRD/OCD

**From:** [stan.mickle@rxsoil.solutions](mailto:stan.mickle@rxsoil.solutions) <[stan.mickle@rxsoil.solutions](mailto:stan.mickle@rxsoil.solutions)>  
**Sent:** Monday, November 7, 2022 7:41 PM  
**To:** Billings, Bradford, EMNRD <[Bradford.Billings@emnrd.nm.gov](mailto:Bradford.Billings@emnrd.nm.gov)>  
**Subject:** [EXTERNAL] Correlation/Proximity between nAB1606057005 & nAPP2121456443

CAUTION: This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Hi Brad,

Sorry I missed you earlier today.

Please review the below correspondence regarding the EAU Emulsion Line release having the incident ID: nAB1606057005. RXSoil is currently remediating the adjacent site EAU M9 Incident ID: Napp2121456443.

We are experiencing very near similarities in soil lithology, especially in the clay category. The two sites are separated by approximately 350 yards.

We are requesting approval to utilize the same background analytics and allowable chloride threshold of 752 mg/kg as previously granted on the adjacent site.

Thanks in advance for your review.

Stan Mickle | SR VP of Development | RXSoil, Inc.

Office: 817-996-4653 | Cell: 210-997-7645

[stan.mickle@rxsoil.solutions](mailto:stan.mickle@rxsoil.solutions)

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**Zach Robbins** <[zach.robins@rxsoil.solutions](mailto:zach.robins@rxsoil.solutions)>  
To: "Billings, Bradford, EMNRD" <[Bradford.Billings@state.nm.us](mailto:Bradford.Billings@state.nm.us)>

Thu, Mar 17, 2022 at 10:33 AM

Morning, Brad,

Have you had a chance to look over the data? Is there anything else we can provide to help guide a decision? Let me know what I can do!

Thanks,  
Zach

[Quoted text hidden]

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[Quoted text hidden]

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**Zach Robbins** <[zach.robins@rxsoil.solutions](mailto:zach.robins@rxsoil.solutions)>  
To: "Billings, Bradford, EMNRD" <[Bradford.Billings@state.nm.us](mailto:Bradford.Billings@state.nm.us)>

Thu, Mar 17, 2022 at 12:50 PM

As discussed on the phone, we will move forward using the confirmed background sample of 752 mg/kg as our allowable chloride threshold for the remainder of this project's excavation. I will include this correspondence in the final report.

Thanks

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

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

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

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

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

CONDITIONS  
 Action 167432

**CONDITIONS**

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 167432
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	The Variance Request is approved. Utilization of background analytics and allowable chloride threshold of 752 mg/kg has been approved for the (NAPP2121456443) EAU M9 EMPIRE EMULSION TRUNK LINE incident. The EAU Emulsion Line (NAB1606057005), which is located 350 yards from the EAU M9 Empire Emulsion Trunk line incident had a Variance Request approved. Both sites have the same clay layer and near identical lithology. The rationale for the request is the close proximity of previous background samples achieving variance request approval.	1/27/2023



FIGURE 1  
VICINITY MAP

**RXSoil, Inc.**  
105 W Main St. Decatur, TX 76234



FIGURE 2  
SITE OVERVIEW

**RXSoil, Inc.**  
**105 W Main St. Decatur, TX 76234**

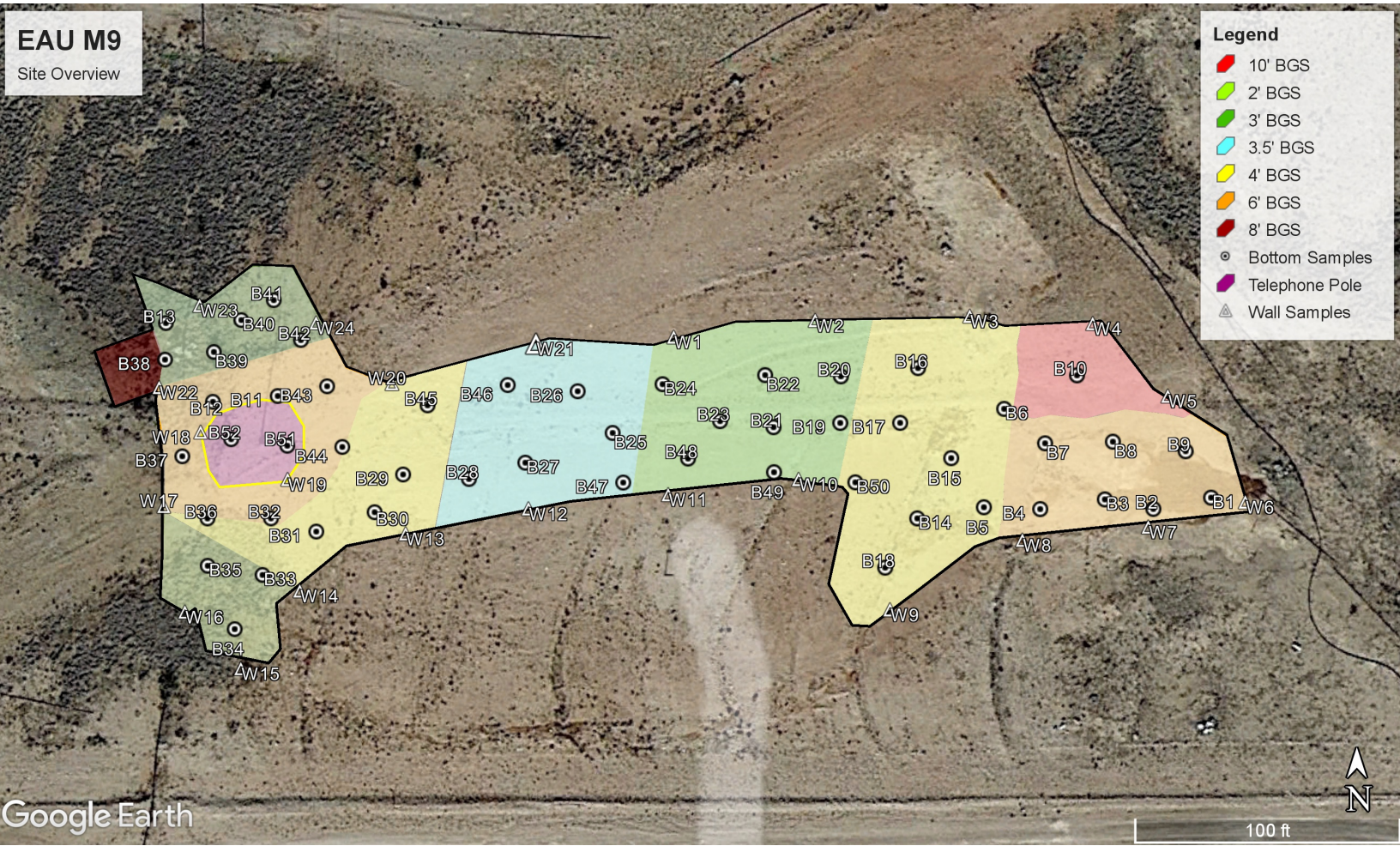
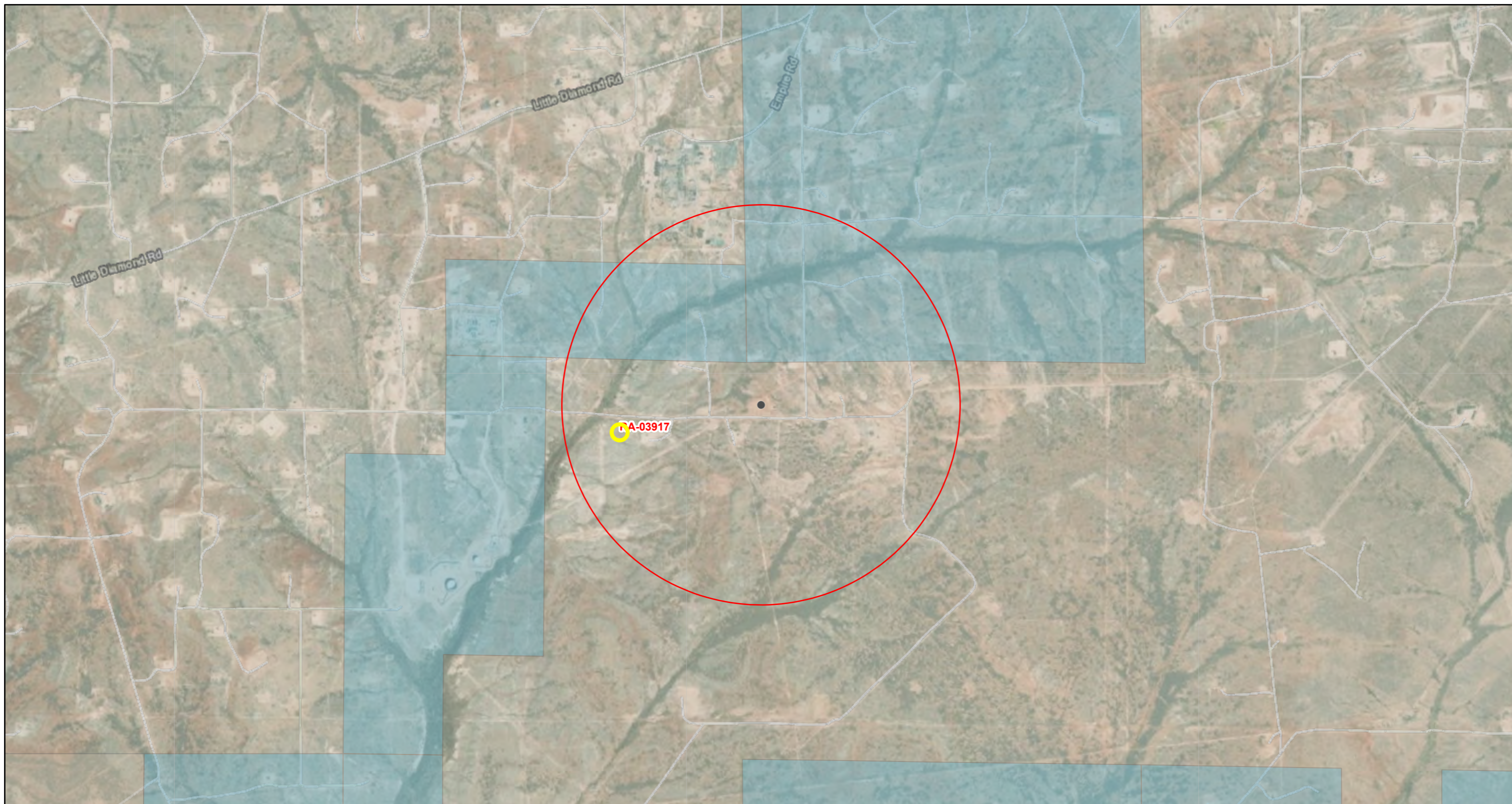


FIGURE 3  
HYDROLOGY MAP

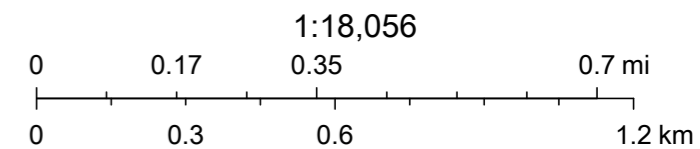
RXSoil, Inc.  
105 W Main St. Decatur, TX 76234

# OSE POD Locations Map



1/20/2023, 12:33:17 PM

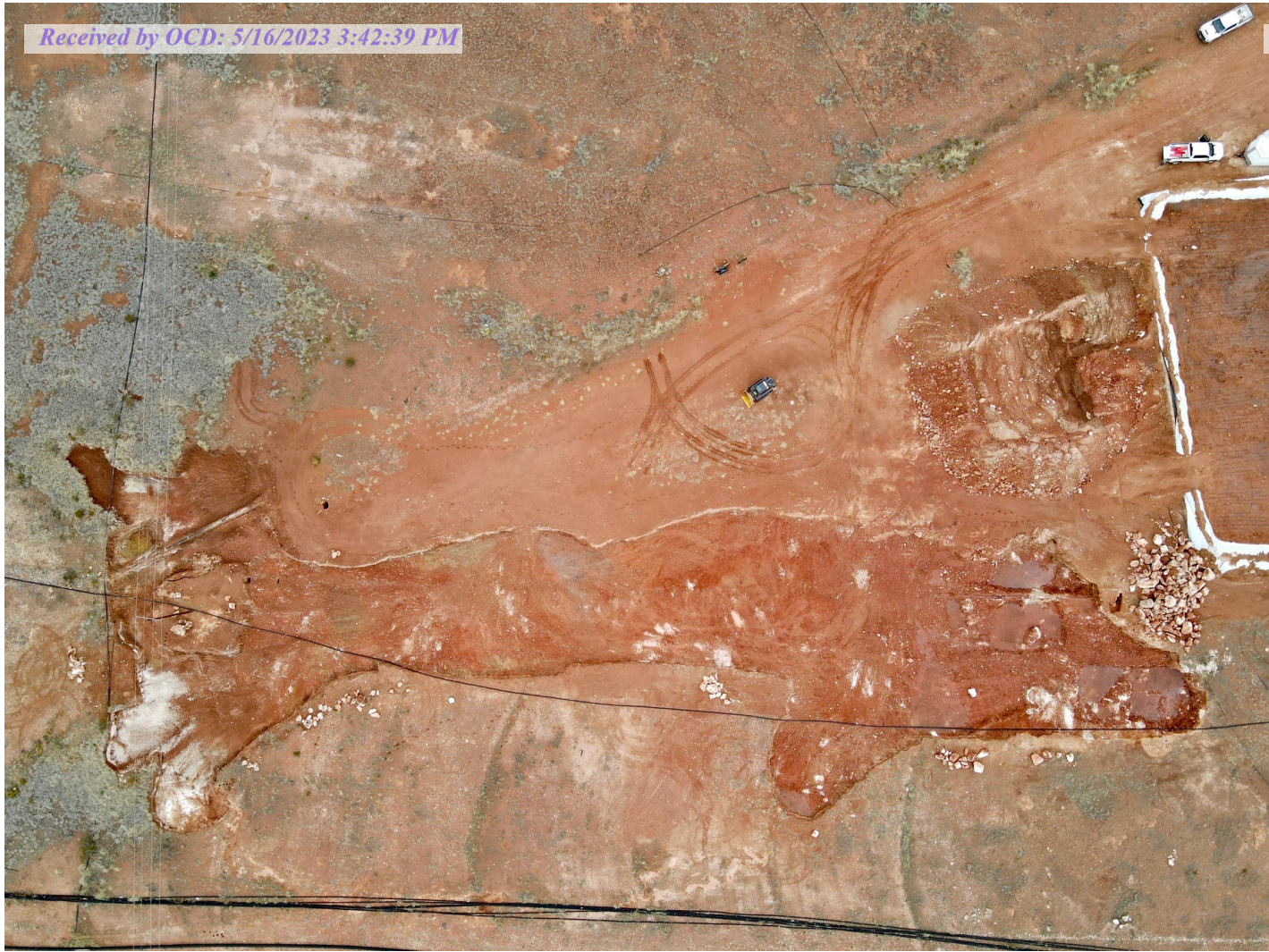
- OSE District Boundary
- New Mexico State Trust Lands
- Site Boundaries
- Closure Area
- Both Estates
- Subsurface Estate



Esri, HERE, iPC, U.S. Department of Energy Office of Legacy Management, Esri, HERE, Garmin, iPC, Maxar

FIGURE 4  
SITE PHOTOGRAPHS

RXSoil, Inc.  
105 W Main St. Decatur, TX 76234







APPENDIX A

C-141

**RXSoil, Inc.**  
**105 W Main St. Decatur, TX 76234**

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	NAPP2121456443
District RP	
Facility ID	
Application ID	

## Release Notification

### Responsible Party

Responsible Party	Apache Corporation	OGRID
Contact Name	Larry Baker	Contact Telephone 432-631-6982
Contact email	Larry.Baker@apachecorp.com	Incident # (assigned by OCD)
Contact mailing address	2350 W. Marland Blvd., Hobbs, NM 88240	

### Location of Release Source

Latitude 32.767600 Longitude -104.256500  
*(NAD 83 in decimal degrees to 5 decimal places)*

Site Name	EAU M9 Emulsion Trunk Line	Site Type	Trunk Line
Date Release Discovered	8/1/2021 at 3:00 p.m.	API# (if applicable)	

Unit Letter	Section	Township	Range	County
D	11	18S	27E	EDDY

Surface Owner:  State  Federal  Tribal  Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) ● 20	Volume Recovered (bbls) 5
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) ● 145	Volume Recovered (bbls) 0
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release **Under Investigation.**

Incident ID	
District RP	
Facility ID	
Application ID	

### Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	50 (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

**Characterization Report Checklist:** *Each of the following items must be included in the report.*

- Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- Field data
- Data table of soil contaminant concentration data
- Depth to water determination
- Determination of water sources and significant watercourses within 1/2-mile of the lateral extents of the release
- Boring or excavation logs
- Photographs including date and GIS information
- Topographic/Aerial maps
- Laboratory data including chain of custody

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

State of New Mexico  
Oil Conservation Division

Incident ID	
District RP	
Facility ID	
Application ID	

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

Printed Name: Larry Baker Title: Environmental Tech. SR.

Signature: *Larry Baker* Date: 10/28/2021

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

**OCD Only**

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

Incident ID	NAPP2121456443
District RP	
Facility ID	
Application ID	

### Remediation Plan

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

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

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

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

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

Printed Name: Larry Baker Title: Environmental Tech. SR.  
 Signature: *Larry Baker* Date: 10/2/2021  
 email: larry.baker@apachecorp.com Telephone: 432-631-6982

**OCD Only**

Received by: Robert Hamlet Date: 8/31/2022

- Approved       Approved with Attached Conditions of Approval       Denied       Deferral Approved

Signature: *Robert Hamlet* Date: 8/31/2022

Incident ID	
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Printed Name: Larry Baker Title: Environmental Tech Sr. Staff  
 Signature: *Larry Baker* Date: 5/16/2023  
 email: larry.baker@apachecorp.com Telephone: 432-818-1654

**OCD Only**

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

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

Closure Approved by: *Shelly Wells* Date: 10/17/2023  
 Printed Name: Shelly Wells Title: Environmental Specialist-Advanced

NAPP2121456443

#### Release Justification

Apache's Environmental Division utilized the expertise of the Production Division to determine the correct amount of fluid lost during this release. Our Production Foreman used the amount of fluid remaining in the holding tanks along with the size of this release to determine that 20 barrels of crude oil and 145 barrels of produced water was lost with 5 barrels of oil recovered. Total loss of this release is 165 barrels.



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

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

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

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

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

CONDITIONS  
 Action 39431

**CONDITIONS**

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 39431
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
marcus	None	8/3/2021

APPENDIX B  
NEAREST WATER WELL

RXSoil, Inc.  
105 W Main St. Decatur, TX 76234



# New Mexico Office of the State Engineer Point of Diversion Summary

Well Tag	POD Number	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)				(NAD83 UTM in meters)			
		Q64	Q16	Q4	Sec	Tws	Rng	X	Y
	RA 03917	4	1	2	10	18S	27E	569019	3625660*

x

<b>Driller License:</b> 111	<b>Driller Company:</b> BURKE, EDWARD B.	
<b>Driller Name:</b>		
<b>Drill Start Date:</b> 07/31/1958	<b>Drill Finish Date:</b> 07/31/1958	<b>Plug Date:</b>
<b>Log File Date:</b> 08/06/1958	<b>PCW Rcv Date:</b>	<b>Source:</b> Artesian
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b>
<b>Casing Size:</b>	<b>Depth Well:</b> 130 feet	<b>Depth Water:</b> 50 feet

x

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/20/23 11:36 AM

POINT OF DIVERSION SUMMARY

APPENDIX C  
SUMMARY TABLE

**RXSoil, Inc.**  
**105 W Main St. Decatur, TX 76234**

EAU M9 Round 1 Results															
Sample ID	Sample Type	Sample Date	Received	Lab ID Sample	GRO	DRO	EXT-DRO	TPH	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Chlorides	Depth
					8015M				8021B				LAB	Ft	
NMOCD Thresholds, Remediation Standards					100				10	50				600	C
A1	Treatment Cell	11/29/2022	11/29/2022	H225584-01	<10	154	14.9	168.9	<.050	<.050	<.050	<.150	<.300	416	S'-3'
A1	Treatment Cell	12/2/2022	12/2/2022	H225659-01	<10	<10	<10	<10	-	-	-	-	-	-	S'-3'
A2	Treatment Cell	11/29/2022	11/29/2022	H225584-02	<10	17.3	<10	17.3	<.050	<.050	<.050	<.150	<.300	160	S'-3'
A3	Treatment Cell	11/29/2022	11/29/2022	H225584-03	<10	110	10.9	120.9	<.050	<.050	<.050	<.150	<.300	400	S'-3'
A3	Treatment Cell	12/2/2022	12/2/2022	H225659-02	<10	<10	<10	<10	-	-	-	-	-	-	S'-3'
A4	Treatment Cell	11/29/2022	11/29/2022	H225584-04	<10	78.4	<10	78.4	<.050	<.050	<.050	<.150	<.300	288	S'-3'
B1	Treatment Cell	11/29/2022	11/29/2022	H225584-05	<10	14.6	<10	14.6	<.050	<.050	<.050	<.150	<.300	368	S'-3'
B2	Treatment Cell	11/29/2022	11/29/2022	H225584-06	<10	18.2	<10	18.2	<.050	<.050	<.050	<.150	<.300	48	S'-3'
B3	Treatment Cell	11/29/2022	11/29/2022	H225584-07	<10	13.4	<10	13.4	<.050	<.050	<.050	<.150	<.300	192	S'-3'
B4	Treatment Cell	11/29/2022	11/29/2022	H225584-08	15.2	529	82.6	626.8	<.050	<.050	<.050	0.325	0.325	240	S'-3'
B4	Treatment Cell	12/2/2022	12/2/2022	H225659-03	<10	<10	<10	<10	-	-	-	-	-	-	S'-3'
C1	Treatment Cell	11/29/2022	11/29/2022	H225584-09	<10	47	<10	47	<.050	<.050	<.050	<.150	<.300	112	S'-3'
C2	Treatment Cell	11/29/2022	11/29/2022	H225584-10	<10	19.4	<10	19.4	<.050	<.050	<.050	<.150	<.300	400	S'-3'
C3	Treatment Cell	11/29/2022	11/29/2022	H225584-11	<10	40	<10	40	<.050	<.050	<.050	<.150	<.300	144	S'-3'
C4	Treatment Cell	11/30/2022	11/30/2022	H225614-01	<10	89.9	10.5	100.4	<.050	<.050	<.050	<.150	<.300	128	S'-3'
D1	Treatment Cell	11/30/2022	11/30/2022	H225614-02	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	672	S'-3'
D2	Treatment Cell	11/30/2022	11/30/2022	H225614-03	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	320	S'-3'
D3	Treatment Cell	11/29/2022	11/29/2022	H225548-12	<10	<10	<10	<10	<.05	<.05	<.05	<.150	<.300	112	S'-3'
D4	Treatment Cell	11/29/2022	11/29/2022	H225548-13	<10	17.5	<10	<10	<.05	<.05	<.05	<.150	<.300	1920	S'-3'
D4	Treatment Cell	12/2/2022	12/2/2022	H225659-04	-	-	-	-	-	-	-	-	-	784	S'-3'
D4	Treatment Cell	12/7/2022	12/7/2022	H225770-01	-	-	-	-	-	-	-	-	-	320	S'-3'
E1	Treatment Cell	11/29/2022	11/29/2022	H225548-14	<10	78.8	<10	78.8	<.05	<.05	<.05	<.150	<.300	192	S'-3'
E2	Treatment Cell	11/29/2022	11/29/2022	H225548-15	<10	12.1	<10	12.1	<.05	<.05	<.05	<.150	<.300	128	S'-3'
E3	Treatment Cell	11/29/2022	11/29/2022	H225548-16	<10	<10	<10	<10	<.05	<.05	<.05	<.150	<.300	384	S'-3'
E4	Treatment Cell	11/29/2022	11/29/2022	H225548-17	<10	11.2	<10	11.2	<.05	<.05	<.05	<.150	<.300	800	S'-3'
E4	Treatment Cell	12/2/2022	12/2/2022	H225659-05	-	-	-	-	-	-	-	-	-	832	S'-3'
E4	Treatment Cell	12/7/2022	12/7/2022	H225770-02	-	-	-	-	-	-	-	-	-	48	S'-3'
F1	Treatment Cell	11/29/2022	11/29/2022	H225548-18	<10	15.1	<10	15.1	<.05	<.05	<.05	<.150	<.300	1360	S'-3'
F1	Treatment Cell	12/2/2022	12/2/2022	H225659-06	-	-	-	-	-	-	-	-	-	784	S'-3'
F1	Treatment Cell	12/7/2022	12/7/2022	H225770-03	-	-	-	-	-	-	-	-	-	512	S'-3'
F2	Treatment Cell	11/29/2022	11/29/2022	H225548-19	<10	24.9	<10	24.9	<.05	<.05	<.05	<.150	<.300	224	S'-3'
F3	Treatment Cell	11/29/2022	11/29/2022	H225548-20	<10	25.1	<10	25.1	<.05	<.05	<.05	<.150	<.300	64	S'-3'

F4	Treatment Cell	11/29/2022	11/29/2022	H225548-21	<10	72.6	<10	72.6	<.05	<.05	<.05	<.150	<.300	128	S'-3'
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all results reported in mg/kg unless noted otherwise

BOLD data points indicate above thresholds, sample highlighted, treatment or excavation to continue

**EAU M9 Round 2 Results**

Sample ID	Sample Type	Sample Date	Received	Lab ID Sample	GRO	DRO	EXT-DRO	TPH	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Chlorides	Depth
					8015M				8021B				LAB	Ft	
<b>NMOCD Thresholds, Remediation Standards</b>					<b>100</b>				<b>10</b>	<b>50</b>				<b>600</b>	<b>C</b>
G1	Treatment Cell	1/27/2023	1/27/2023	H230421-01	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	496	S'-3'
G2	Treatment Cell	1/30/2023	1/30/2023	H230427-01	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	192	S'-3'
G3	Treatment Cell	1/26/2023	1/27/2023	H230408-01	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	288	S'-3'
G4	Treatment Cell	1/30/2023	1/30/2023	H230427-02	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	336	S'-3'
H1	Treatment Cell	1/30/2023	1/30/2023	H230427-03	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	272	S'-3'
H2	Treatment Cell	1/26/2023	1/27/2023	H230408-02	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	256	S'-3'
H3	Treatment Cell	1/26/2023	1/27/2023	H230408-03	<10	11.7	<10	11.7	<.050	<.050	<.050	<.150	<.300	336	S'-3'
H4	Treatment Cell	1/30/2023	1/30/2023	H230427-04	<10	12.4	<10	12.4	<.050	<.050	<.050	<.150	<.300	288	S'-3'
I1	Treatment Cell	1/27/2023	1/27/2023	H230421-02	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	560	S'-3'
I2	Treatment Cell	1/30/2023	1/30/2023	H230427-05	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	<b>784</b>	S'-3'
I2	Treatment Cell	2/2/2023	2/2/2023	H230469-01	-	-	-	-	-	-	-	-	-	288	S'-3'
I3	Treatment Cell	1/26/2023	1/27/2023	H230408-04	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	400	S'-3'
I4	Treatment Cell	1/26/2023	1/27/2023	H230408-05	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	240	S'-3'
J1	Treatment Cell	1/26/2023	1/27/2023	H230408-06	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	304	S'-3'
J2	Treatment Cell	1/26/2023	1/27/2023	H230408-07	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	560	S'-3'
J3	Treatment Cell	1/27/2023	1/27/2023	H230421-03	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	368	S'-3'
J4	Treatment Cell	1/30/2023	1/30/2023	H230427-06	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	464	S'-3'
K1	Treatment Cell	1/30/2023	1/30/2023	H230427-07	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	<b>800</b>	S'-3'
K1	Treatment Cell	2/2/2023	2/2/2023	H230469-02	-	-	-	-	-	-	-	-	-	32	S'-3'
K2	Treatment Cell	1/30/2023	1/30/2023	H230427-08	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	288	S'-3'
K3	Treatment Cell	1/26/2023	1/27/2023	H230408-08	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	416	S'-3'
K4	Treatment Cell	1/26/2023	1/27/2023	H230408-09	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	384	S'-3'
L1	Treatment Cell	1/26/2023	1/27/2023	H230408-10	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	416	S'-3'
L2	Treatment Cell	1/26/2023	1/27/2023	H230408-11	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	512	S'-3'
L3	Treatment Cell	1/26/2023	1/27/2023	H230408-12	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	480	S'-3'
L4	Treatment Cell	1/27/2023	1/27/2023	H230421-04	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	272	S'-3'

all results reported in mg/kg unless noted otherwise

BOLD data points indicate above thresholds, sample highlighted, treatment or excavation to continue

Sample ID	Sample Type	Sample Date	Received	Lab ID Sample	GRO	DRO	EXT-DRO	TPH	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	Chlorides	Sample	
NMOCD Thresholds, Remediation Standards					8015M				100	10	8021B			LAB		Depth
														50	600	C
W1-A	WALL	11/10/2022	11/11/2022	H225360-01	<10	101	12.6	113.6	<.050	<.050	<.050	<.150	<.300	320	2'	
W1-B	WALL	11/22/2022	11/23/2022	H225537-25	<10	14.1	<10	14.1	<.050	<.050	<.050	<.150	<.300	1020	2'	
W1-C	WALL	12/1/2022	12/1/2022	H225640-01	-	-	-	-	-	-	-	-	-	784	2'	
W1-D	WALL	12/6/2022	12/6/2022	H225729-01	-	-	-	-	-	-	-	-	-	832	2'	
W1	WALL	1/27/2023	1/27/2023	H230421-05	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	320	2'	
W2	WALL	11/10/2022	11/11/2022	H225360-02	<10	381	65.8	446.8	<.050	<.050	0.086	0.217	0.303	720	2'	
W2-D	WALL	11/22/2022	11/23/2022	H225537-26	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	976	2'	
W2-E	WALL	12/1/2022	12/1/2022	H225640-02	-	-	-	-	-	-	-	-	-	432	2'	
W2	WALL	1/27/2023	1/27/2023	H230421-06	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	288	2'	
W3	WALL	11/10/2022	11/11/2022	H225360-11	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	96	2'	
W4-A	WALL	11/10/2022	11/11/2022	H225360-03	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	256	2'	
W5	WALL	11/10/2022	11/11/2022	H225360-04	<10	69.2	<10	69.2	<.050	<.050	<.050	<.150	<.300	464	2'	
W6	WALL	11/10/2022	11/11/2022	H225360-05	<10	451	81.3	532.3	<.050	<.050	<.050	<.150	<.300	608	2'	
W6-A	WALL	11/22/2022	11/23/2022	H225537-27	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	1070	2'	
W6-B	WALL	12/1/2022	12/1/2022	H225640-03	-	-	-	-	-	-	-	-	-	144	2'	
W6	WALL	1/27/2023	1/27/2023	H230421-07	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	16	2'	
W7	WALL	11/10/2022	11/11/2022	H225360-06	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	144	2'	
W8-C	WALL	11/15/2022	11/15/2022	H225396-01	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	192	2'	
W9-B	WALL	11/10/2022	11/11/2022	H225360-07	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	384	2'	
W9-C	WALL	11/15/2022	11/15/2022	H225396-02	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	176	2'	
W9-D	WALL	12/1/2022	12/1/2022	H225640-04	<10	2410	999	3409	<.050	<.050	<.050	<.150	<.300	64	2'	
W9-E	WALL	12/6/2022	12/6/2022	H225729-02	<10	<10	<10	<10	-	-	-	-	-	-	2'	
W9	WALL	1/27/2023	1/27/2023	H230421-08	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	32	2'	
W10	WALL	11/15/2022	11/15/2022	H225396-03	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	224	2'	
W11-E	WALL	11/10/2022	11/11/2022	H225360-08	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	208	2'	
W12	WALL	11/10/2022	11/11/2022	H225360-09	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	96	2'	
W13	WALL	11/15/2022	11/15/2022	H225396-04	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	48	2'	
W14-A	WALL	11/10/2022	11/11/2022	H225360-10	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	96	2'	
W15-B	WALL	11/15/2022	11/15/2022	H225396-05	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	48	2'	
W16-B	WALL	11/15/2022	11/15/2022	H225396-06	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	144	2'	
W17	WALL	11/8/2022	11/9/2022	H225280-11	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	288	2'	
W18	WALL	TELEPHONE POLE - DIG N HAUL														
W19	WALL	TELEPHONE POLE - DIG N HAUL														
W20	WALL	12/1/2022	12/1/2022	H225640-05	<10	29.4	38.2	67.6	<.050	<.050	<.050	<.150	<.300	720	2'	
W20	WALL	1/27/2023	1/27/2023	H230421-09	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	336	2'	
W21	WALL	11/8/2022	11/9/2022	H225280-12	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	176	2'	
W22	WALL	12/1/2022	12/1/2022	H225640-06	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	64	2'	
W22	WALL	1/27/2023	1/27/2023	H230421-10	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	32	2'	
W23	WALL	12/1/2022	12/1/2022	H225640-07	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	48	2'	
W24	WALL	12/1/2022	12/1/2022	H225640-08	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	48	2'	
W24	WALL	1/27/2023	1/27/2023	H230421-11	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	48	2'	
B1	BOTTOM	11/8/2022	11/9/2022	H225280-01	<10	536	98.4	634.4	<.050	<.050	<.050	<.150	<.300	512	5'	
B1	BOTTOM	11/22/2022	11/23/2022	H225537-01	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	144	6'	
B2	BOTTOM	11/8/2022	11/9/2022	H225280-02	<10	592	133	725	<.050	<.050	<.050	<.150	<.300	384	5'	
B2	BOTTOM	11/22/2022	11/23/2022	H225537-02	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	112	6'	
B3	BOTTOM	11/8/2022	11/9/2022	H225280-03	<10	84.3	<10	84.3	<.050	<.050	<.050	<.150	<.300	288	6'	
B4	BOTTOM	11/8/2022	11/9/2022	H225280-04	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	64	6'	
B5	BOTTOM	11/8/2022	11/9/2022	H225280-05	<10	39.3	<10	39.3	<.050	<.050	<.050	<.150	<.300	272	4'	
B6	BOTTOM	11/8/2022	11/9/2022	H225280-06	<10	14.7	<10	14.7	<.050	<.050	<.050	<.150	<.300	336	4'	
B7	BOTTOM	11/8/2022	11/9/2022	H225280-07	<10	150	21.7	171.7	<.050	<.050	<.050	<.150	<.300	320	4'	
B7	BOTTOM	11/22/2022	11/23/2022	H225537-03	<10	31.9	<10	31.9	<.050	<.050	<.050	<.150	<.300	864	5'	
B7	BOTTOM	12/5/2022	12/5/2022	H225687-01	-	-	-	-	-	-	-	-	-	144	6'	
B7	BOTTOM	1/30/2023	1/30/2023	H230426-10	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	240	6'	
B8	BOTTOM	11/8/2022	11/9/2022	H225280-08	<10	427	81.4	508.4	<.050	<.050	<.050	<.150	<.300	512	5'	
B8	BOTTOM	11/22/2022	11/23/2022	H225537-04	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	320	6'	
B9	BOTTOM	11/8/2022	11/9/2022	H225280-09	<10	14.7	<10	14.7	<.050	<.050	<.050	<.150	<.300	256	6'	
B10	BOTTOM	11/8/2022	11/9/2022	H225280-10	<10	385	80	465	<.050	<.050	<.050	<.150	<.300	448	8'	
B10	BOTTOM	11/22/2022	11/23/2022	H225537-05	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	240	10'	
B11	BOTTOM	1/30/2023	1/30/2023	H230426-04	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	160	6'	
B12	BOTTOM	11/17/2022	11/18/2022	H225451-01	<10	16.5	<10	<10	<.050	<.050	<.050	<.150	<.300	352	6'	
B13	BOTTOM	11/17/2022	11/18/2022	H225451-02	<10	126	<10	126	<.050	<.050	<.050	<.150	<.300	464	2'	
B13	BOTTOM	11/22/2022	11/23/2022	H225537-06	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	848	2.5'	
B13	BOTTOM	12/1/2022	12/1/2022	H225640-09	-	-	-	-	-	-	-	-	-	80	3'	
B13	BOTTOM	1/30/2023	1/30/2023	H230426-01	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	144	3'	

B14	BOTTOM	11/21/2022	11/22/2022	H225489-01	<10	59.9	<10	59.9	<.050	<.050	<.050	<.150	<.300	192	3'
B14	BOTTOM	1/26/2023	1/27/2023	H230407-01	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	112	4'
B15	BOTTOM	11/21/2022	11/22/2022	H225489-02	21.1	1410	236	<b>1667.1</b>	<.050	<.050	<.050	<.150	<.300	496	3'
B15	BOTTOM	12/5/2022	12/5/2022	H225699-01	<10	46.9	<10	46.9	-	-	-	-	-	-	4'
B15	BOTTOM	1/26/2023	1/27/2023	H230426-02	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	16	4'
B16	BOTTOM	11/22/2022	11/23/2022	H225537-07	<10	89.4	16.2	<b>105.6</b>	<.050	<.050	<.050	<.150	<.300	416	3'
B16	BOTTOM	12/5/2022	12/5/2022	H225699-02	<10	<10	<10	<10	-	-	-	-	-	-	4'
B16	BOTTOM	1/30/2023	1/30/2023	H230426-03	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	240	4'
B17	BOTTOM	11/22/2022	11/23/2022	H225537-08	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	256	4'
B18	BOTTOM	11/16/2022	11/17/2022	H225432-08	<10	72.6	11.8	84.4	<.050	<.050	<.050	<.150	<.300	464	4'
B19	BOTTOM	11/22/2022	11/23/2022	H225537-09	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	<b>944</b>	2'
B19	BOTTOM	12/1/2022	12/1/2022	H225640-10	-	-	-	-	-	-	-	-	-	752	3'
B19	BOTTOM	1/30/2023	1/30/2023	H230426-05	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	208	3'
B20	BOTTOM	11/22/2022	11/23/2022	H225537-10	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	704	3'
B21	BOTTOM	11/22/2022	11/23/2022	H225537-11	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	<b>1721</b>	2'
B21	BOTTOM	1/26/2023	1/27/2023	H230407-02	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	96	2.5'
B22	BOTTOM	11/21/2022	11/22/2022	H225489-03	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	592	3'
B23	BOTTOM	11/21/2022	11/22/2022	H225489-04	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	<b>880</b>	2'
B23	BOTTOM	12/5/2022	12/5/2022	H225687-02	-	-	-	-	-	-	-	-	-	32	2.5'
B23	BOTTOM	1/26/2023	1/27/2023	H230407-03	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	80	2.5'
B24	BOTTOM	11/22/2022	11/23/2022	H225537-12	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	<b>880</b>	2'
B24	BOTTOM	1/26/2023	1/27/2023	H230407-04	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	80	2.5'
B25	BOTTOM	11/22/2022	11/23/2022	H225537-13	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	544	3.5'
B26	BOTTOM	11/22/2022	11/23/2022	H225537-14	<10	17.2	11.3	28.5	<.050	<.050	<.050	<.150	<.300	<b>944</b>	3'
B26	BOTTOM	1/30/2023	1/30/2023	H230426-06	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	176	3.5'
B27	BOTTOM	11/22/2022	11/23/2022	H225537-15	<11	11.7	<10	11.7	<.050	<.050	<.050	<.150	<.300	<b>1180</b>	2.5'
B27	BOTTOM	1/26/2023	1/27/2023	H230407-05	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	64	3'
B28	BOTTOM	11/21/2022	11/22/2022	H225489-05	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	688	3.5'
B29	BOTTOM	11/21/2022	11/22/2022	H225489-06	<10	20	<10	20	<.050	<.050	<.050	<.150	<.300	704	4'
B30	BOTTOM	11/16/2022	11/17/2022	H225432-07	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	368	4'
B31	BOTTOM	11/21/2022	11/22/2022	H225489-07	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	576	4'
B32	BOTTOM	11/16/2022	11/17/2022	H225432-04	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	592	6'
B33	BOTTOM	11/16/2022	11/17/2022	H225432-05	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	592	2'
B34	BOTTOM	11/16/2022	11/17/2022	H225432-06	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	<b>880</b>	1.5'
B34	BOTTOM	11/22/2022	11/23/2022	H225537-16	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	<b>800</b>	1.5'
B34	BOTTOM	1/26/2023	1/27/2023	H230407-06	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	32	2'
B34	BOTTOM	1/30/2023	1/30/2023	H230426-07	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	144	2'
B35	BOTTOM	11/17/2022	11/18/2022	H225451-03	<10	57.5	<10	57.5	<.050	<.050	<.050	<.150	<.300	528	2'
B36	BOTTOM	11/21/2022	11/22/2022	H225489-08	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	272	2'
B37	BOTTOM	11/21/2022	11/22/2022	H225489-09	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	720	6'
B38	BOTTOM	11/16/2022	11/17/2022	H225432-03	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	112	4'
B39	BOTTOM	11/16/2022	11/17/2022	H225432-02	<10	28	<10	28	<.050	<.050	<.050	<.150	<.300	<b>864</b>	3'
B39	BOTTOM	11/22/2022	11/23/2022	H225537-17	<10	56.5	<10	56.5	<.050	<.050	<.050	<.150	<.300	720	4'
B40	BOTTOM	11/16/2022	11/17/2022	H225432-01	<10	57.5	<10	57.5	<.050	<.050	<.050	<.150	<.300	224	3'
B41	BOTTOM	11/18/2022	11/18/2022	H225468-01	<10	35.6	<10	35.6	<.050	<.050	<.050	<.150	<.300	352	3'
B41	BOTTOM	1/26/2023	1/27/2023	H230407-07	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	96	3'
B42	BOTTOM	11/18/2022	11/18/2022	H225468-02	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	592	3'
B42	BOTTOM	1/26/2023	1/27/2023	H230407-08	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	64	3'
B43	BOTTOM	11/21/2022	11/22/2022	H225489-10	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	<b>832</b>	5'
B43	BOTTOM	1/26/2023	1/27/2023	H230407-09	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	32	6'
B44	BOTTOM	11/22/2022	11/23/2022	H225537-18	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	336	5'
B45	BOTTOM	11/22/2022	11/23/2022	H225537-19	<10	12	<10	12	<.050	<.050	<.050	<.150	<.300	<b>864</b>	3'
B45	BOTTOM	1/30/2023	1/30/2023	H230426-08	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	128	4'
B46	BOTTOM	11/22/2022	11/23/2022	H225537-20	<10	20.8	<10	20.8	<.050	<.050	<.050	<.150	<.300	<b>896</b>	3'
B46	BOTTOM	1/26/2023	1/27/2023	H230407-10	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	32	3.5'
B47	BOTTOM	11/22/2022	11/23/2022	H225537-21	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	624	3.5'
B48	BOTTOM	11/22/2022	11/23/2022	H225537-22	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	688	3'
B49	BOTTOM	11/22/2022	11/23/2022	H225537-23	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	320	3'
B50	BOTTOM	11/22/2022	11/23/2022	H225537-24	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	<b>880</b>	3.5'
B50	BOTTOM	1/30/2023	1/30/2023	H230426-09	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	272	4'
B51	BOTTOM	3/6/2022	3/8/2022	H231034-01	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	<b>864</b>	5'
B51	BOTTOM	3/29/2022	3/29/2022	H231452-01	-	-	-	-	-	-	-	-	-	560	6'
B52	BOTTOM	3/6/2022	3/8/2022	H231034-02	<10	<10	<10	<10	<.050	<.050	<.050	<.150	<.300	<b>960</b>	5'
B52	BOTTOM	3/29/2022	3/29/2022	H231452-02	-	-	-	-	-	-	-	-	-	288	6'

all results reported in mg/kg unless noted otherwise

BOLD data points indicate above thresholds, sample highlighted, treatment or excavation to continue



APPENDIX D  
LAB REPORTS

RXSoil, Inc.  
105 W Main St. Decatur, TX 76234



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

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November 10, 2022

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: APACHE

Enclosed are the results of analyses for samples received by the laboratory on 11/09/22 8:03.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/09/2022	Sampling Date:	11/08/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	APACHE	Sampling Condition:	Cool & Intact
Project Number:	APACHE - M9	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 1 (H225280-01)**

BTEX 8260B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.025	0.025	11/09/2022	ND	1.81	90.4	2.00	6.07		
Toluene*	<0.025	0.025	11/09/2022	ND	1.82	91.0	2.00	5.72		
Ethylbenzene*	<0.025	0.025	11/09/2022	ND	1.84	92.2	2.00	5.01		
Total Xylenes*	<0.075	0.075	11/09/2022	ND	5.71	95.1	6.00	4.38		
Total BTEX	<0.150	0.150	11/09/2022	ND						

Surrogate: Dibromofluoromethane 98.0 % 86.7-111

Surrogate: Toluene-d8 90.2 % 89.3-110

Surrogate: 4-Bromofluorobenzene 98.5 % 88.2-108

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<b>512</b>	16.0	11/10/2022	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	11/09/2022	ND	184	91.9	200	9.33		
<b>DRO &gt;C10-C28*</b>	<b>536</b>	10.0	11/09/2022	ND	189	94.3	200	3.51		
<b>EXT DRO &gt;C28-C36</b>	<b>98.4</b>	10.0	11/09/2022	ND						

Surrogate: 1-Chlorooctane 77.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/09/2022	Sampling Date:	11/08/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	APACHE	Sampling Condition:	Cool & Intact
Project Number:	APACHE - M9	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 2 (H225280-02)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/09/2022	ND	1.81	90.4	2.00	6.07	
Toluene*	<0.025	0.025	11/09/2022	ND	1.82	91.0	2.00	5.72	
Ethylbenzene*	<0.025	0.025	11/09/2022	ND	1.84	92.2	2.00	5.01	
Total Xylenes*	<0.075	0.075	11/09/2022	ND	5.71	95.1	6.00	4.38	
Total BTEX	<0.150	0.150	11/09/2022	ND					

Surrogate: Dibromofluoromethane 95.1 % 86.7-111  
 Surrogate: Toluene-d8 93.8 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 96.9 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>384</b>	16.0	11/10/2022	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	11/09/2022	ND	184	91.9	200	9.33	
<b>DRO &gt;C10-C28*</b>	<b>592</b>	10.0	11/09/2022	ND	189	94.3	200	3.51	
<b>EXT DRO &gt;C28-C36</b>	<b>133</b>	10.0	11/09/2022	ND					

Surrogate: 1-Chlorooctane 79.0 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 130 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/09/2022	Sampling Date:	11/08/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	APACHE	Sampling Condition:	Cool & Intact
Project Number:	APACHE - M9	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 3 (H225280-03)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/09/2022	ND	1.81	90.4	2.00	6.07	
Toluene*	<0.025	0.025	11/09/2022	ND	1.82	91.0	2.00	5.72	
Ethylbenzene*	<0.025	0.025	11/09/2022	ND	1.84	92.2	2.00	5.01	
Total Xylenes*	<0.075	0.075	11/09/2022	ND	5.71	95.1	6.00	4.38	
Total BTEX	<0.150	0.150	11/09/2022	ND					

Surrogate: Dibromofluoromethane 94.3 % 86.7-111  
 Surrogate: Toluene-d8 94.7 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 94.7 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	11/10/2022	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	11/09/2022	ND	184	91.9	200	9.33	
DRO >C10-C28*	84.3	10.0	11/09/2022	ND	189	94.3	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	11/09/2022	ND					

Surrogate: 1-Chlorooctane 78.3 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 90.8 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/09/2022	Sampling Date:	11/08/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	APACHE	Sampling Condition:	Cool & Intact
Project Number:	APACHE - M9	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 4 (H225280-04)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/09/2022	ND	1.81	90.4	2.00	6.07	
Toluene*	<0.025	0.025	11/09/2022	ND	1.82	91.0	2.00	5.72	
Ethylbenzene*	<0.025	0.025	11/09/2022	ND	1.84	92.2	2.00	5.01	
Total Xylenes*	<0.075	0.075	11/09/2022	ND	5.71	95.1	6.00	4.38	
Total BTEX	<0.150	0.150	11/09/2022	ND					

Surrogate: Dibromofluoromethane 95.0 % 86.7-111  
 Surrogate: Toluene-d8 91.7 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 97.4 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	11/10/2022	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	11/09/2022	ND	184	91.9	200	9.33	
DRO >C10-C28*	<10.0	10.0	11/09/2022	ND	189	94.3	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	11/09/2022	ND					

Surrogate: 1-Chlorooctane 73.0 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 80.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/09/2022	Sampling Date:	11/08/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	APACHE	Sampling Condition:	Cool & Intact
Project Number:	APACHE - M9	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 5 (H225280-05)**

BTEX 8260B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/09/2022	ND	1.81	90.4	2.00	6.07	
Toluene*	<0.025	0.025	11/09/2022	ND	1.82	91.0	2.00	5.72	
Ethylbenzene*	<0.025	0.025	11/09/2022	ND	1.84	92.2	2.00	5.01	
Total Xylenes*	<0.075	0.075	11/09/2022	ND	5.71	95.1	6.00	4.38	
Total BTEX	<0.150	0.150	11/09/2022	ND					

Surrogate: Dibromofluoromethane 98.6 % 86.7-111  
 Surrogate: Toluene-d8 88.2 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 96.5 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>272</b>	16.0	11/10/2022	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	11/09/2022	ND	184	91.9	200	9.33	
<b>DRO &gt;C10-C28*</b>	<b>39.3</b>	10.0	11/09/2022	ND	189	94.3	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	11/09/2022	ND					

Surrogate: 1-Chlorooctane 82.3 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 91.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/09/2022	Sampling Date:	11/08/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	APACHE	Sampling Condition:	Cool & Intact
Project Number:	APACHE - M9	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 6 (H225280-06)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/09/2022	ND	1.81	90.4	2.00	6.07	
Toluene*	<0.025	0.025	11/09/2022	ND	1.82	91.0	2.00	5.72	
Ethylbenzene*	<0.025	0.025	11/09/2022	ND	1.84	92.2	2.00	5.01	
Total Xylenes*	<0.075	0.075	11/09/2022	ND	5.71	95.1	6.00	4.38	
Total BTEX	<0.150	0.150	11/09/2022	ND					

Surrogate: Dibromofluoromethane 98.0 % 86.7-111  
 Surrogate: Toluene-d8 91.2 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 97.6 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>336</b>	16.0	11/10/2022	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	11/09/2022	ND	184	91.9	200	9.33	
<b>DRO &gt;C10-C28*</b>	<b>14.7</b>	10.0	11/09/2022	ND	189	94.3	200	3.51	
EXT DRO >C28-C36	<10.0	10.0	11/09/2022	ND					

Surrogate: 1-Chlorooctane 88.9 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 96.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	11/09/2022	Sampling Date:	11/08/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	APACHE	Sampling Condition:	Cool & Intact
Project Number:	APACHE - M9	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 7 (H225280-07)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/09/2022	ND	1.81	90.4	2.00	6.07	
Toluene*	<0.025	0.025	11/09/2022	ND	1.82	91.0	2.00	5.72	
Ethylbenzene*	<0.025	0.025	11/09/2022	ND	1.84	92.2	2.00	5.01	
Total Xylenes*	<0.075	0.075	11/09/2022	ND	5.71	95.1	6.00	4.38	
Total BTEX	<0.150	0.150	11/09/2022	ND					

Surrogate: Dibromofluoromethane 96.2 % 86.7-111  
 Surrogate: Toluene-d8 93.2 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 97.9 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>320</b>	16.0	11/10/2022	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	11/09/2022	ND	196	97.9	200	2.14	
<b>DRO &gt;C10-C28*</b>	<b>150</b>	10.0	11/09/2022	ND	193	96.4	200	2.10	QM-07
<b>EXT DRO &gt;C28-C36</b>	<b>21.7</b>	10.0	11/09/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/09/2022	Sampling Date:	11/08/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	APACHE	Sampling Condition:	Cool & Intact
Project Number:	APACHE - M9	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 8 (H225280-08)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/09/2022	ND	1.81	90.4	2.00	6.07	
Toluene*	<0.025	0.025	11/09/2022	ND	1.82	91.0	2.00	5.72	
Ethylbenzene*	<0.025	0.025	11/09/2022	ND	1.84	92.2	2.00	5.01	
Total Xylenes*	<0.075	0.075	11/09/2022	ND	5.71	95.1	6.00	4.38	
Total BTEX	<0.150	0.150	11/09/2022	ND					

Surrogate: Dibromofluoromethane 95.6 % 86.7-111  
 Surrogate: Toluene-d8 92.1 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 98.6 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>512</b>	16.0	11/10/2022	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	11/09/2022	ND	196	97.9	200	2.14	
<b>DRO &gt;C10-C28*</b>	<b>427</b>	10.0	11/09/2022	ND	193	96.4	200	2.10	
<b>EXT DRO &gt;C28-C36</b>	<b>81.4</b>	10.0	11/09/2022	ND					

Surrogate: 1-Chlorooctane 76.8 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/09/2022	Sampling Date:	11/08/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	APACHE	Sampling Condition:	Cool & Intact
Project Number:	APACHE - M9	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 9 (H225280-09)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/09/2022	ND	1.81	90.4	2.00	6.07	
Toluene*	<0.025	0.025	11/09/2022	ND	1.82	91.0	2.00	5.72	
Ethylbenzene*	<0.025	0.025	11/09/2022	ND	1.84	92.2	2.00	5.01	
Total Xylenes*	<0.075	0.075	11/09/2022	ND	5.71	95.1	6.00	4.38	
Total BTEX	<0.150	0.150	11/09/2022	ND					

Surrogate: Dibromofluoromethane 99.5 % 86.7-111  
 Surrogate: Toluene-d8 91.9 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 98.7 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>256</b>	16.0	11/10/2022	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	11/09/2022	ND	196	97.9	200	2.14	
<b>DRO &gt;C10-C28*</b>	<b>14.7</b>	10.0	11/09/2022	ND	193	96.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	11/09/2022	ND					

Surrogate: 1-Chlorooctane 95.0 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 100 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/09/2022	Sampling Date:	11/08/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	APACHE	Sampling Condition:	Cool & Intact
Project Number:	APACHE - M9	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 10 (H225280-10)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/09/2022	ND	1.81	90.4	2.00	6.07	
Toluene*	<0.025	0.025	11/09/2022	ND	1.82	91.0	2.00	5.72	
Ethylbenzene*	<0.025	0.025	11/09/2022	ND	1.84	92.2	2.00	5.01	
Total Xylenes*	<0.075	0.075	11/09/2022	ND	5.71	95.1	6.00	4.38	
Total BTEX	<0.150	0.150	11/09/2022	ND					

Surrogate: Dibromofluoromethane 97.8 % 86.7-111  
 Surrogate: Toluene-d8 92.9 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 97.4 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>448</b>	16.0	11/10/2022	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	11/09/2022	ND	196	97.9	200	2.14	
<b>DRO &gt;C10-C28*</b>	<b>385</b>	10.0	11/09/2022	ND	193	96.4	200	2.10	
<b>EXT DRO &gt;C28-C36</b>	<b>80.0</b>	10.0	11/09/2022	ND					

Surrogate: 1-Chlorooctane 70.2 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 83.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/09/2022	Sampling Date:	11/08/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	APACHE	Sampling Condition:	Cool & Intact
Project Number:	APACHE - M9	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 17 (H225280-11)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/09/2022	ND	1.81	90.4	2.00	6.07	
Toluene*	<0.025	0.025	11/09/2022	ND	1.82	91.0	2.00	5.72	
Ethylbenzene*	<0.025	0.025	11/09/2022	ND	1.84	92.2	2.00	5.01	
Total Xylenes*	<0.075	0.075	11/09/2022	ND	5.71	95.1	6.00	4.38	
Total BTEX	<0.150	0.150	11/09/2022	ND					

Surrogate: Dibromofluoromethane 95.4 % 86.7-111  
 Surrogate: Toluene-d8 93.4 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 96.4 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	11/10/2022	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	11/09/2022	ND	196	97.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/09/2022	ND	193	96.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	11/09/2022	ND					

Surrogate: 1-Chlorooctane 81.4 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 84.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/09/2022	Sampling Date:	11/08/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	APACHE	Sampling Condition:	Cool & Intact
Project Number:	APACHE - M9	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 21 (H225280-12)**

BTEX 8260B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.025	0.025	11/09/2022	ND	1.81	90.4	2.00	6.07	
Toluene*	<0.025	0.025	11/09/2022	ND	1.82	91.0	2.00	5.72	
Ethylbenzene*	<0.025	0.025	11/09/2022	ND	1.84	92.2	2.00	5.01	
Total Xylenes*	<0.075	0.075	11/09/2022	ND	5.71	95.1	6.00	4.38	
Total BTEX	<0.150	0.150	11/09/2022	ND					

Surrogate: Dibromofluoromethane 95.1 % 86.7-111  
 Surrogate: Toluene-d8 94.3 % 89.3-110  
 Surrogate: 4-Bromofluorobenzene 95.0 % 88.2-108

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/10/2022	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	11/09/2022	ND	196	97.9	200	2.14	
DRO >C10-C28*	<10.0	10.0	11/09/2022	ND	193	96.4	200	2.10	
EXT DRO >C28-C36	<10.0	10.0	11/09/2022	ND					

Surrogate: 1-Chlorooctane 83.5 % 45.3-161  
 Surrogate: 1-Chlorooctadecane 86.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager







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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

**BILL TO**

**ANALYSIS REQUEST**

Company Name: RX Soil  
 Project Manager: Stan Nickle  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: NM Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: Apache  
 Project Location: M9  
 Sampler Name: Tristan Turley  
 P.O. #: \_\_\_\_\_  
 Company: \_\_\_\_\_  
 Attn: \_\_\_\_\_  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	FOR LAB USE ONLY		DATE	TIME	ANALYSIS REQUEST	
		(G)RAB OR (C)OMP.	# CONTAINERS			CLORIDE	TPH
<u>H225280</u>	<u>W17</u>			<u>11/8/12</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>11</u>	<u>W21</u>			<u>11/8/12</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
<u>12</u>	<u>W21</u>					<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

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Relinquished By: \_\_\_\_\_ Date: 11/9/12 Received By: Benita Adams  
 Relinquished By: \_\_\_\_\_ Date: \_\_\_\_\_ Received By: \_\_\_\_\_  
 Time: 8:06  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Delivered By: (Circle One) Observed Temp. °C 2.1 Sample Condition  Intact  Cool  Yes  No  
 Sampler - UPS - Bus - Other: Corrected Temp. °C 1.5  Yes  No  Yes  No  
 CHECKED BY: (Initials) AD  
 Turnaround Time: \_\_\_\_\_ Standard  Add'l Phone #: \_\_\_\_\_  
 Thermometer ID #13 Kush  Bacteria (only) Sample Condition  
 Correction Factor -0.8°C  Cool Intact  Observed Temp. °C  
 Yes  No  Yes  No  No  No Corrected Temp. °C

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



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

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November 16, 2022

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: APACHE - EAU M9

Enclosed are the results of analyses for samples received by the laboratory on 11/11/22 10:25.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/11/2022	Sampling Date:	11/10/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 1 (H225360-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/15/2022	ND	2.08	104	2.00	2.20		
Toluene*	<0.050	0.050	11/15/2022	ND	2.23	112	2.00	1.89		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.03	102	2.00	2.51		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.13	102	6.00	2.29		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>320</b>	16.0	11/14/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/15/2022	ND	198	99.0	200	3.10		
<b>DRO &gt;C10-C28*</b>	<b>101</b>	10.0	11/15/2022	ND	188	94.2	200	3.32		
<b>EXT DRO &gt;C28-C36</b>	<b>12.6</b>	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 81.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.5 % 46.3-178

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/11/2022	Sampling Date:	11/10/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 2 (H225360-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2022	ND	2.08	104	2.00	2.20	
Toluene*	<0.050	0.050	11/15/2022	ND	2.23	112	2.00	1.89	
<b>Ethylbenzene*</b>	<b>0.086</b>	0.050	11/15/2022	ND	2.03	102	2.00	2.51	
<b>Total Xylenes*</b>	<b>0.217</b>	0.150	11/15/2022	ND	6.13	102	6.00	2.29	
<b>Total BTEX</b>	<b>0.303</b>	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>720</b>	16.0	11/14/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2022	ND	198	99.0	200	3.10	
<b>DRO &gt;C10-C28*</b>	<b>381</b>	10.0	11/15/2022	ND	188	94.2	200	3.32	
<b>EXT DRO &gt;C28-C36</b>	<b>65.8</b>	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 82.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/11/2022	Sampling Date:	11/10/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 4 (H225360-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2022	ND	2.08	104	2.00	2.20	
Toluene*	<0.050	0.050	11/15/2022	ND	2.23	112	2.00	1.89	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.03	102	2.00	2.51	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.13	102	6.00	2.29	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	11/14/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2022	ND	198	99.0	200	3.10	
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	188	94.2	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 64.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 70.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/11/2022	Sampling Date:	11/10/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 5 (H225360-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2022	ND	2.08	104	2.00	2.20	
Toluene*	<0.050	0.050	11/15/2022	ND	2.23	112	2.00	1.89	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.03	102	2.00	2.51	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.13	102	6.00	2.29	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>464</b>	16.0	11/14/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2022	ND	198	99.0	200	3.10	
<b>DRO &gt;C10-C28*</b>	<b>69.2</b>	10.0	11/15/2022	ND	188	94.2	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 82.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/11/2022	Sampling Date:	11/10/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 6 (H225360-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2022	ND	2.08	104	2.00	2.20	
Toluene*	<0.050	0.050	11/15/2022	ND	2.23	112	2.00	1.89	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.03	102	2.00	2.51	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.13	102	6.00	2.29	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>608</b>	16.0	11/14/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2022	ND	198	99.0	200	3.10	
<b>DRO &gt;C10-C28*</b>	<b>451</b>	10.0	11/15/2022	ND	188	94.2	200	3.32	
<b>EXT DRO &gt;C28-C36</b>	<b>81.3</b>	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 124 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/11/2022	Sampling Date:	11/10/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 7 (H225360-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2022	ND	2.08	104	2.00	2.20	
Toluene*	<0.050	0.050	11/15/2022	ND	2.23	112	2.00	1.89	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.03	102	2.00	2.51	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.13	102	6.00	2.29	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/14/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2022	ND	198	99.0	200	3.10	
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	188	94.2	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	11/11/2022	Sampling Date:	11/10/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 9 (H225360-07)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2022	ND	2.08	104	2.00	2.20	
Toluene*	<0.050	0.050	11/15/2022	ND	2.23	112	2.00	1.89	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.03	102	2.00	2.51	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.13	102	6.00	2.29	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>384</b>	16.0	11/14/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2022	ND	198	99.0	200	3.10	
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	188	94.2	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 81.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/11/2022	Sampling Date:	11/10/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 11 (H225360-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2022	ND	2.08	104	2.00	2.20	
Toluene*	<0.050	0.050	11/15/2022	ND	2.23	112	2.00	1.89	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.03	102	2.00	2.51	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.13	102	6.00	2.29	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	11/14/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2022	ND	198	99.0	200	3.10	
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	188	94.2	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/11/2022	Sampling Date:	11/10/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 12 (H225360-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2022	ND	2.08	104	2.00	2.20	
Toluene*	<0.050	0.050	11/15/2022	ND	2.23	112	2.00	1.89	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.03	102	2.00	2.51	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.13	102	6.00	2.29	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	11/14/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2022	ND	198	99.0	200	3.10	
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	188	94.2	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 75.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/11/2022	Sampling Date:	11/10/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 14 (H225360-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2022	ND	2.08	104	2.00	2.20	
Toluene*	<0.050	0.050	11/15/2022	ND	2.23	112	2.00	1.89	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.03	102	2.00	2.51	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.13	102	6.00	2.29	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/14/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2022	ND	198	99.0	200	3.10	
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	188	94.2	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 87.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.6 % 46.3-178

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**Analytical Results For:**

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

Received:	11/11/2022	Sampling Date:	11/10/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: SW 3 (H225360-11)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/15/2022	ND	2.08	104	2.00	2.20		
Toluene*	<0.050	0.050	11/15/2022	ND	2.23	112	2.00	1.89		
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.03	102	2.00	2.51		
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.13	102	6.00	2.29		
Total BTEX	<0.300	0.300	11/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>96.0</b>	16.0	11/14/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/15/2022	ND	198	99.0	200	3.10		
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	188	94.2	200	3.32		
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND						

Surrogate: 1-Chlorooctane 79.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/11/2022	Sampling Date:	11/10/2022
Reported:	11/16/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 11 - 6 (H225360-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2022	ND	2.08	104	2.00	2.20	
Toluene*	<0.050	0.050	11/15/2022	ND	2.23	112	2.00	1.89	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	2.03	102	2.00	2.51	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	6.13	102	6.00	2.29	
Total BTEX	<0.300	0.300	11/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>144</b>	16.0	11/14/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/15/2022	ND	198	99.0	200	3.10	
DRO >C10-C28*	<10.0	10.0	11/15/2022	ND	188	94.2	200	3.32	
EXT DRO >C28-C36	<10.0	10.0	11/15/2022	ND					

Surrogate: 1-Chlorooctane 76.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.3 % 46.3-178

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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: <u>CSOIL</u> Project Manager: <u>Stan Ninkle</u> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____ Project #: _____ Project Owner: <u>Apaine</u> Project Name: <u>EAV M9</u> Project Location: <u>Artaia NM</u> Sampler Name: <u>Triston Turley</u>		P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Lab I.D. <u>H225360</u> Sample I.D. _____ (G)RAB OR (C)OMP. _____ # CONTAINERS _____ MATRIX: <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE <input type="checkbox"/> OTHER: _____ PRESERV: _____ SAMPLING: _____		BILL TO ANALYSIS REQUEST	
PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims (including those for negligence and any other cause whatsoever) shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		DATE TIME <u>11/10 AM</u>	
Relinquished By: <u>[Signature]</u> Date: <u>11-11-22</u> Time: <u>1025</u>		Received By: <u>[Signature]</u> Date: _____ Time: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C: <u>3.6</u> Corrected Temp. °C: <u>3.0</u>		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Checked By: <u>[Signature]</u>	
Turnaround Time: _____ Thermometer ID #113 Correction Factor -0.6°C Standard <input checked="" type="checkbox"/> <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Sample Condition Observed Temp. °C Corrected Temp. °C		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____ REMARKS: _____	





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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**Party Name:** RK Soil  
**Project Manager:** Stan Mickle  
**State:** \_\_\_\_\_ **Zip:** \_\_\_\_\_  
**Company:** \_\_\_\_\_  
**Address:** \_\_\_\_\_  
**City:** \_\_\_\_\_ **State:** \_\_\_\_\_ **Zip:** \_\_\_\_\_  
**Project Owner:** Apache  
**Phone #:** \_\_\_\_\_ **Fax #:** \_\_\_\_\_

b.I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
4225360						X				11/10	10 AM	B B Tex Chloride TPH
10	W 1M											
11	S.W. 3											
12	W 11-6											

**Received By:** [Signature]  
**Date:** 11-1-22  
**Time:** 10:25  
**Observed Temp. °C:** 3.6  
**Corrected Temp. °C:** 3.0  
**Sample Condition:** Cool Intact  Yes  No  
**Checked By:** [Signature]

**Remarks:**  
 Verbal Result:  Yes  No  Add'l Phone #:  
 All Results are emailed. Please provide Email address:  
 Turnaround Time: Standard  Rush   
 Bacteria (only) Sample Condition: Cool Intact  Yes  No  
 Corrected Temp. °C: \_\_\_\_\_



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

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November 18, 2022

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: APACHE - EAU M9

Enclosed are the results of analyses for samples received by the laboratory on 11/15/22 14:28.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/15/2022
Reported:	11/18/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 8 (H225396-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/17/2022	ND	1.81	90.7	2.00	2.99		
Toluene*	<0.050	0.050	11/17/2022	ND	1.90	94.9	2.00	1.93		
Ethylbenzene*	<0.050	0.050	11/17/2022	ND	1.83	91.3	2.00	0.708		
Total Xylenes*	<0.150	0.150	11/17/2022	ND	5.77	96.2	6.00	4.64		
Total BTEX	<0.300	0.300	11/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	11/16/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/16/2022	ND	209	105	200	1.12		
DRO >C10-C28*	<10.0	10.0	11/16/2022	ND	207	103	200	4.16		
EXT DRO >C28-C36	<10.0	10.0	11/16/2022	ND						

Surrogate: 1-Chlorooctane 90.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

Cardinal Laboratories

\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/15/2022
Reported:	11/18/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 9-B (H225396-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2022	ND	1.81	90.7	2.00	2.99	
Toluene*	<0.050	0.050	11/17/2022	ND	1.90	94.9	2.00	1.93	
Ethylbenzene*	<0.050	0.050	11/17/2022	ND	1.83	91.3	2.00	0.708	
Total Xylenes*	<0.150	0.150	11/17/2022	ND	5.77	96.2	6.00	4.64	
Total BTEX	<0.300	0.300	11/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>176</b>	16.0	11/16/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2022	ND	209	105	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/16/2022	ND	207	103	200	4.16	
EXT DRO >C28-C36	<10.0	10.0	11/16/2022	ND					

Surrogate: 1-Chlorooctane 77.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.3 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/15/2022
Reported:	11/18/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 10 (H225396-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2022	ND	1.81	90.7	2.00	2.99	
Toluene*	<0.050	0.050	11/17/2022	ND	1.90	94.9	2.00	1.93	
Ethylbenzene*	<0.050	0.050	11/17/2022	ND	1.83	91.3	2.00	0.708	
Total Xylenes*	<0.150	0.150	11/17/2022	ND	5.77	96.2	6.00	4.64	
Total BTEX	<0.300	0.300	11/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>224</b>	16.0	11/16/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2022	ND	209	105	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/16/2022	ND	207	103	200	4.16	
EXT DRO >C28-C36	<10.0	10.0	11/16/2022	ND					

Surrogate: 1-Chlorooctane 79.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.0 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/15/2022
Reported:	11/18/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 13 (H225396-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2022	ND	1.81	90.7	2.00	2.99	
Toluene*	<0.050	0.050	11/17/2022	ND	1.90	94.9	2.00	1.93	
Ethylbenzene*	<0.050	0.050	11/17/2022	ND	1.83	91.3	2.00	0.708	
Total Xylenes*	<0.150	0.150	11/17/2022	ND	5.77	96.2	6.00	4.64	
Total BTEX	<0.300	0.300	11/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	11/16/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2022	ND	209	105	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/16/2022	ND	207	103	200	4.16	
EXT DRO >C28-C36	<10.0	10.0	11/16/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/15/2022
Reported:	11/18/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 15-B (H225396-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2022	ND	1.81	90.7	2.00	2.99	
Toluene*	<0.050	0.050	11/17/2022	ND	1.90	94.9	2.00	1.93	
Ethylbenzene*	<0.050	0.050	11/17/2022	ND	1.83	91.3	2.00	0.708	
Total Xylenes*	<0.150	0.150	11/17/2022	ND	5.77	96.2	6.00	4.64	
Total BTEX	<0.300	0.300	11/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	11/16/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2022	ND	209	105	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/16/2022	ND	207	103	200	4.16	
EXT DRO >C28-C36	<10.0	10.0	11/16/2022	ND					

Surrogate: 1-Chlorooctane 87.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.5 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/15/2022	Sampling Date:	11/15/2022
Reported:	11/18/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 16 (H225396-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2022	ND	1.81	90.7	2.00	2.99	
Toluene*	<0.050	0.050	11/17/2022	ND	1.90	94.9	2.00	1.93	
Ethylbenzene*	<0.050	0.050	11/17/2022	ND	1.83	91.3	2.00	0.708	
Total Xylenes*	<0.150	0.150	11/17/2022	ND	5.77	96.2	6.00	4.64	
Total BTEX	<0.300	0.300	11/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>144</b>	16.0	11/16/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/16/2022	ND	209	105	200	1.12	
DRO >C10-C28*	<10.0	10.0	11/16/2022	ND	207	103	200	4.16	
EXT DRO >C28-C36	<10.0	10.0	11/16/2022	ND					

Surrogate: 1-Chlorooctane 85.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.6 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Notes and Definitions**

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

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: <b>RX 501</b> Project Manager: <b>Maverick Mickle</b> Address: <b>105 W Main St.</b> City: <b>Deer</b> State: <b>TX</b> Zip: <b>76234</b> Phone #: _____ Fax #: _____ Project #: _____ Project Owner: <b>Stn Mickle</b> Project Name: <b>M9</b> Project Location: <b>Artesia, Nm</b> Sampler Name: <b>Kelly</b>		<b>BILL TO</b> P.O. #: _____ Company: <b>Apple Corp</b> Attn: <b>Larry Baker</b> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Lab I.D. <b>H225396</b> Sample I.D. _____ (G)RAB OR (C)OMP. _____ # CONTAINERS _____ GROUNDWATER _____ WASTEWATER _____ SOIL <input checked="" type="checkbox"/> _____ OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____ DATE <b>11-15-22</b> TIME _____		MATRIX _____ PRESERV _____ SAMPLING _____ BTEX _____ TPH _____ Chlorides _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C <b>4.6</b> Corrected Temp. °C <b>4.0</b> Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked By: (Initials) <b>AP</b>		Received By: _____ Date: <b>11-15-22</b> Time: <b>1428</b> Received By: _____ Date: _____ Time: _____ Remarks: <b>Smil to</b> <b>Rx Group / Larry Baker / Lesser Roda</b> Turnaround Time: <b>Standard</b> Thermometer ID #113 Correction Factor -0.5°C Bacteria (only) Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C _____ Corrected Temp. °C _____	

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

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



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

---

November 22, 2022

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: EAU M9

Enclosed are the results of analyses for samples received by the laboratory on 11/17/22 8:38.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/17/2022	Sampling Date:	11/16/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	ARTESIA, NM	Sample Received By:	Shalyn Rodriguez
Project Location:	ARTESIA, NM		

**Sample ID: B 40 (H225432-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/19/2022	ND	1.95	97.6	2.00	13.4		
Toluene*	<0.050	0.050	11/19/2022	ND	2.01	101	2.00	14.8		
Ethylbenzene*	<0.050	0.050	11/19/2022	ND	2.00	100	2.00	13.4		
Total Xylenes*	<0.150	0.150	11/19/2022	ND	6.23	104	6.00	14.3		
Total BTEX	<0.300	0.300	11/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	11/17/2022	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	11/17/2022	ND	244	122	200	0.765		
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	232	116	200	0.309		
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND						

Surrogate: 1-Chlorooctane 78.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.7 % 46.3-178

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\* = Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 11/17/2022  
 Reported: 11/22/2022  
 Project Name: EAU M9  
 Project Number: ARTESIA, NM  
 Project Location: ARTESIA, NM

Sampling Date: 11/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B 39 (H225432-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2022	ND	1.95	97.6	2.00	13.4	
Toluene*	<0.050	0.050	11/19/2022	ND	2.01	101	2.00	14.8	
Ethylbenzene*	<0.050	0.050	11/19/2022	ND	2.00	100	2.00	13.4	
Total Xylenes*	<0.150	0.150	11/19/2022	ND	6.23	104	6.00	14.3	
Total BTEX	<0.300	0.300	11/19/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>864</b>	16.0	11/17/2022	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	11/17/2022	ND	244	122	200	0.765	
<b>DRO &gt;C10-C28*</b>	<b>28.8</b>	10.0	11/17/2022	ND	232	116	200	0.309	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 82.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.7 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/17/2022  
 Reported: 11/22/2022  
 Project Name: EAU M9  
 Project Number: ARTESIA, NM  
 Project Location: ARTESIA, NM

Sampling Date: 11/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B 38 (H225432-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2022	ND	1.95	97.6	2.00	13.4	
Toluene*	<0.050	0.050	11/19/2022	ND	2.01	101	2.00	14.8	
Ethylbenzene*	<0.050	0.050	11/19/2022	ND	2.00	100	2.00	13.4	
Total Xylenes*	<0.150	0.150	11/19/2022	ND	6.23	104	6.00	14.3	
Total BTEX	<0.300	0.300	11/19/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/17/2022	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	11/17/2022	ND	244	122	200	0.765	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	232	116	200	0.309	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 87.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.3 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/17/2022	Sampling Date:	11/16/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	ARTESIA, NM	Sample Received By:	Shalyn Rodriguez
Project Location:	ARTESIA, NM		

**Sample ID: B 32 (H225432-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2022	ND	1.95	97.6	2.00	13.4	
Toluene*	<0.050	0.050	11/19/2022	ND	2.01	101	2.00	14.8	
Ethylbenzene*	<0.050	0.050	11/19/2022	ND	2.00	100	2.00	13.4	
Total Xylenes*	<0.150	0.150	11/19/2022	ND	6.23	104	6.00	14.3	
Total BTEX	<0.300	0.300	11/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	11/17/2022	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	11/17/2022	ND	244	122	200	0.765	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	232	116	200	0.309	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 74.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 74.6 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 11/17/2022  
 Reported: 11/22/2022  
 Project Name: EAU M9  
 Project Number: ARTESIA, NM  
 Project Location: ARTESIA, NM

Sampling Date: 11/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B 33 (H225432-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2022	ND	2.05	102	2.00	8.89	
Toluene*	<0.050	0.050	11/18/2022	ND	2.17	109	2.00	8.75	
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.13	107	2.00	8.71	
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.54	109	6.00	8.30	
Total BTEX	<0.300	0.300	11/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	11/17/2022	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	11/17/2022	ND	244	122	200	0.765	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	232	116	200	0.309	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 73.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 74.3 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	11/17/2022	Sampling Date:	11/16/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	ARTESIA, NM	Sample Received By:	Shalyn Rodriguez
Project Location:	ARTESIA, NM		

**Sample ID: B 34 (H225432-06)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.05	102	2.00	8.89		
Toluene*	<0.050	0.050	11/18/2022	ND	2.17	109	2.00	8.75		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.13	107	2.00	8.71		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.54	109	6.00	8.30		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	11/17/2022	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	11/17/2022	ND	244	122	200	0.765		
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	232	116	200	0.309		
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND						

Surrogate: 1-Chlorooctane 85.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.0 % 46.3-178

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**Analytical Results For:**

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

Received: 11/17/2022  
 Reported: 11/22/2022  
 Project Name: EAU M9  
 Project Number: ARTESIA, NM  
 Project Location: ARTESIA, NM

Sampling Date: 11/16/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: B 30 (H225432-07)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.05	102	2.00	8.89		
Toluene*	<0.050	0.050	11/18/2022	ND	2.17	109	2.00	8.75		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.13	107	2.00	8.71		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.54	109	6.00	8.30		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	11/17/2022	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	11/17/2022	ND	244	122	200	0.765		
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	232	116	200	0.309		
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND						

Surrogate: 1-Chlorooctane 79.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.1 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/17/2022	Sampling Date:	11/16/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	ARTESIA, NM	Sample Received By:	Shalyn Rodriguez
Project Location:	ARTESIA, NM		

**Sample ID: B 18 (H225432-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2022	ND	2.05	102	2.00	8.89	
Toluene*	<0.050	0.050	11/18/2022	ND	2.17	109	2.00	8.75	
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.13	107	2.00	8.71	
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.54	109	6.00	8.30	
Total BTEX	<0.300	0.300	11/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>464</b>	16.0	11/17/2022	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	11/17/2022	ND	244	122	200	0.765	
<b>DRO &gt;C10-C28*</b>	<b>72.6</b>	10.0	11/17/2022	ND	232	116	200	0.309	
<b>EXT DRO &gt;C28-C36</b>	<b>11.8</b>	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 87.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.4 % 46.3-178

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- QR-04 The RPD for the BS/BSD was outside of historical limits.
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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Handwritten signature of Mike Snyder

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

**BILL TO**

**ANALYSIS REQUEST**

Company Name: ESTOIL  
 Project Manager: Stan Nickle  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: Approve  
 Project Name: EAVM  
 Project Location: APT-asin NM  
 Sampler Name: JASON COVE  
 P.O. #: \_\_\_\_\_  
 Company: Approve Corp  
 Attn: Lynn Baker  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	BTex	Chloride	TPH	
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:						ICE / COOL
<u>11925132</u>	<u>B340</u>					<input checked="" type="checkbox"/>						<u>11/16</u>	<u>12:30</u>			
	<u>B339</u>															
	<u>B338</u>															
	<u>B337</u>															
	<u>B334</u>															
	<u>B330</u>															
	<u>B318</u>															

PLEASE NOTE: Laboratory and Designer: Contractor's liability and client's evaluate remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated provisions or otherwise.

Relinquished By: [Signature] Date: 11/17/22  
 Received By: [Signature] Date: 0838  
 Relinquished By: [Signature] Date: \_\_\_\_\_  
 Received By: [Signature] Date: \_\_\_\_\_

Delivered By: (Circle One) Observed Temp. °C 0.52 Sample Condition Cool Intact  Yes  No  
 Corrected Temp. °C -0.12 Sample Condition Cool Intact  Yes  No  
 Sample - UPS - Bus - Other: \_\_\_\_\_ CHECKED BY: [Signature]  
 Turnaround Time: \_\_\_\_\_ Standard  Add'l Phone #: \_\_\_\_\_  
 Thermometer ID #113 Bacteria (only) Sample Condition Cool Intact  Yes  No  
 Correction Factor: -0.12 Observed Temp. °C \_\_\_\_\_ Corrected Temp. °C \_\_\_\_\_

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



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

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November 22, 2022

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: M 9

Enclosed are the results of analyses for samples received by the laboratory on 11/18/22 8:35.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/18/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	M 9	Sampling Condition:	Cool & Intact
Project Number:	ARTESIA, NM	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 12 (H225451-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2022	ND	2.05	102	2.00	8.89	
Toluene*	<0.050	0.050	11/18/2022	ND	2.17	109	2.00	8.75	
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.13	107	2.00	8.71	
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.54	109	6.00	8.30	
Total BTEX	<0.300	0.300	11/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>352</b>	16.0	11/18/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	207	103	200	1.24	
<b>DRO &gt;C10-C28*</b>	<b>16.5</b>	10.0	11/18/2022	ND	196	98.1	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					

Surrogate: 1-Chlorooctane 98.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

Cardinal Laboratories

\* = Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/18/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	M 9	Sampling Condition:	Cool & Intact
Project Number:	ARTESIA, NM	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 13 (H225451-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2022	ND	2.05	102	2.00	8.89	
Toluene*	<0.050	0.050	11/18/2022	ND	2.17	109	2.00	8.75	
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.13	107	2.00	8.71	
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.54	109	6.00	8.30	
Total BTEX	<0.300	0.300	11/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>464</b>	16.0	11/18/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	207	103	200	1.24	
<b>DRO &gt;C10-C28*</b>	<b>126</b>	10.0	11/18/2022	ND	196	98.1	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 125 % 46.3-178

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\* = Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 11/18/2022  
 Reported: 11/22/2022  
 Project Name: M 9  
 Project Number: ARTESIA, NM  
 Project Location: ARTESIA, NM

Sampling Date: 11/17/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: B 35 (H225451-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2022	ND	2.05	102	2.00	8.89	
Toluene*	<0.050	0.050	11/18/2022	ND	2.17	109	2.00	8.75	
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.13	107	2.00	8.71	
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.54	109	6.00	8.30	
Total BTEX	<0.300	0.300	11/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>528</b>	16.0	11/18/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	207	103	200	1.24	
<b>DRO &gt;C10-C28*</b>	<b>57.5</b>	10.0	11/18/2022	ND	196	98.1	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

Cardinal Laboratories

\* = Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

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### Notes and Definitions

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

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\*=Accredited Analyte

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A handwritten signature in black ink, appearing to read "Mike Snyder".

---

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



# CARDINAL Laboratories

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

### BILL TO

### ANALYSIS REQUEST

Company Name: RX 501  
 Project Manager: Maverick Mick  
 Address: 105 W Main St State: TX Zip: 75734  
 City: Duncan Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: 199 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Project Location: Art 519, NM Phone #: \_\_\_\_\_  
 Sampler Name: Kelley Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	BTEX	TPH	Chloride
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
<u>H225451</u>	<u>B12</u>		<u>1</u>			<u>X</u>				<u>11-17-22</u>				
	<u>B35</u>		<u>1</u>			<u>X</u>				<u>11-17-22</u>				
	<u>B35</u>		<u>1</u>			<u>X</u>				<u>11-17-22</u>				

PLEASE NOTE: Liability and Damages: Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: \_\_\_\_\_ Date: 11-17-22 Received By: \_\_\_\_\_  
 Relinquished By: \_\_\_\_\_ Date: 08-35 Received By: \_\_\_\_\_  
 Time: \_\_\_\_\_  
 Turnaround Time: \_\_\_\_\_  
 Thermometer ID #113  
 Correction Factor -0.5°C

Delivered By: (Circle One) Observed Temp. °C 5.2 Sample Condition Cool  Intact   
 Corrected Temp. °C 5.8 Bacteria (only)  Sample Condition Cool  Intact   
 Sampler - UPS - Bus - Other: \_\_\_\_\_ Corrected Temp. °C \_\_\_\_\_  
 CHECKED BY: \_\_\_\_\_ (Initials) JK  
 REMARKS: Envil to RX Grad Lem Bar/Pass Rocha  
 Verbal Result:  Yes  No Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_  
 Bacteria (only)  Sample Condition Cool  Intact   
 Corrected Temp. °C \_\_\_\_\_



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

---

November 23, 2022

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: APACHE - EAU M9

Enclosed are the results of analyses for samples received by the laboratory on 11/18/22 15:35.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ARTESIA, NM		

**Sample ID: B 41 (H225468-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/22/2022	ND	1.79	89.7	2.00	10.2		
Toluene*	<0.050	0.050	11/22/2022	ND	1.84	92.1	2.00	11.0		
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	1.84	92.1	2.00	10.5		
Total Xylenes*	<0.150	0.150	11/22/2022	ND	5.60	93.4	6.00	11.3		
Total BTEX	<0.300	0.300	11/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<b>352</b>	16.0	11/22/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	208	104	200	0.121		
<b>DRO &gt;C10-C28*</b>	<b>35.6</b>	10.0	11/22/2022	ND	213	106	200	7.32		
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND						

Surrogate: 1-Chlorooctane 91.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/18/2022	Sampling Date:	11/18/2022
Reported:	11/23/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	ARTESIA, NM		

**Sample ID: B 42 (H225468-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/22/2022	ND	1.79	89.7	2.00	10.2	
Toluene*	<0.050	0.050	11/22/2022	ND	1.84	92.1	2.00	11.0	
Ethylbenzene*	<0.050	0.050	11/22/2022	ND	1.84	92.1	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/22/2022	ND	5.60	93.4	6.00	11.3	
Total BTEX	<0.300	0.300	11/22/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	11/22/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/22/2022	ND	208	104	200	0.121	
DRO >C10-C28*	<10.0	10.0	11/22/2022	ND	213	106	200	7.32	
EXT DRO >C28-C36	<10.0	10.0	11/22/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Notes and Definitions**

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

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: RX Soil  
 Project Manager: Stan Mickle  
 Address: 105 W Main St.  
 City: Decatur State: TX Zip: 76234  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: Apache  
 Project Name: M9  
 Project Location: Artesia, NM  
 Sampler Name: Tristan Turley

P.O. #: \_\_\_\_\_ Company: \_\_\_\_\_  
 Attn: \_\_\_\_\_ Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	PRESERV.			
<u>H225418</u>	<u>B41</u>					<u>X</u>					<u>11-18-22</u>	<u>11-18-22</u>	<u>Chlorides</u>
<u>1</u>	<u>B42</u>					<u>X</u>					<u>11-18-22</u>	<u>11-18-22</u>	<u>TPH</u>
													<u>B Tex</u>

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Relinquished By: [Signature] Date: 11/18 Time: 3:35  
 Received By: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Relinquished By: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Received By: [Signature] Date: \_\_\_\_\_ Time: \_\_\_\_\_

Turnaround Time: \_\_\_\_\_ Standard  **Rush**  
 Thermometer ID #113  Bacteria (only) Sample Condition  
 Correction Factor -0.8°C  Cool Intact  Observed Temp. °C  
 Yes  No  No  No  No  No  
 Corrected Temp. °C \_\_\_\_\_  
 Verbal Result:  Yes  No  Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_

Delivered By: (Circle One)  UPS  Bus  Other: \_\_\_\_\_  
 Observed Temp. °C 51°C Sample Condition  Intact  Cool  Intact  Yes  Yes  
 Corrected Temp. °C 14.5°C  No  No  No  No  
 CHECKED BY: [Signature] (Initials)  
 Turnaround Time: \_\_\_\_\_ Standard  **Rush**  
 Thermometer ID #113  Bacteria (only) Sample Condition  
 Correction Factor -0.8°C  Cool Intact  Observed Temp. °C  
 Yes  No  No  No  No  No  
 Corrected Temp. °C \_\_\_\_\_  
 Verbal Result:  Yes  No  Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_  
 REMARKS: \_\_\_\_\_

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





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

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November 29, 2022

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: APACHE - EAU M9

Enclosed are the results of analyses for samples received by the laboratory on 11/22/22 8:03.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/22/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B14 (H225489-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	2.00	100	2.00	10.0		
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6		
Total BTEX	<0.300	0.300	11/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>192</b>	16.0	11/22/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	208	104	200	2.23		
<b>DRO &gt;C10-C28*</b>	<b>59.9</b>	10.0	11/23/2022	ND	211	106	200	5.64		
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND						

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/22/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B15 (H225489-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	GC-NC
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 201 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	11/22/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	21.1	10.0	11/23/2022	ND	208	104	200	2.23	
DRO >C10-C28*	1410	10.0	11/23/2022	ND	211	106	200	5.64	
EXT DRO >C28-C36	236	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 123 % 45.3-161

Surrogate: 1-Chlorooctadecane 209 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/22/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B22 (H225489-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	11/22/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	208	104	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	211	106	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 88.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/22/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B23 (H225489-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>880</b>	16.0	11/22/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	208	104	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	211	106	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 96.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/22/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B28 (H225489-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	11/22/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	208	104	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	211	106	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 92.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/22/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B29 (H225489-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>704</b>	16.0	11/22/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	208	104	200	2.23	
<b>DRO &gt;C10-C28*</b>	<b>20.0</b>	10.0	11/23/2022	ND	211	106	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 115 % 45.3-161

Surrogate: 1-Chlorooctadecane 131 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/22/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B31 (H225489-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	11/22/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	208	104	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	211	106	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 80.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.0 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	11/22/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B36 (H225489-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/22/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	208	104	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	211	106	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/22/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B37 (H225489-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	11/22/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	208	104	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	211	106	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/22/2022	Sampling Date:	11/21/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B43 (H225489-10)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	2.00	100	2.00	10.0	
Toluene*	<0.050	0.050	11/23/2022	ND	2.08	104	2.00	9.72	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.10	105	2.00	10.5	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.40	107	6.00	10.6	
Total BTEX	<0.300	0.300	11/23/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	11/22/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	208	104	200	2.23	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	211	106	200	5.64	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 89.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager





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November 29, 2022

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: APACHE - EAU M9

Enclosed are the results of analyses for samples received by the laboratory on 11/23/22 10:06.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 1 (H225537-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2022	ND	1.94	97.0	2.00	3.03	
Toluene*	<0.050	0.050	11/24/2022	ND	2.03	102	2.00	2.93	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.04	102	2.00	3.19	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.26	104	6.00	2.95	
Total BTEX	<0.300	0.300	11/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	11/28/2022	ND	400	100	400	3.92	

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	11/24/2022	ND	189	94.6	200	0.278	
DRO >C10-C28*	<10.0	10.0	11/24/2022	ND	197	98.7	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 85.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 2 (H225537-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2022	ND	1.94	97.0	2.00	3.03	
Toluene*	<0.050	0.050	11/24/2022	ND	2.03	102	2.00	2.93	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.04	102	2.00	3.19	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.26	104	6.00	2.95	
Total BTEX	<0.300	0.300	11/24/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/28/2022	ND	400	100	400	3.92	

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	11/24/2022	ND	189	94.6	200	0.278	
DRO >C10-C28*	<10.0	10.0	11/24/2022	ND	197	98.7	200	1.26	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 75.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 7 (H225537-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2022	ND	1.94	97.0	2.00	3.03	
Toluene*	<0.050	0.050	11/24/2022	ND	2.03	102	2.00	2.93	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.04	102	2.00	3.19	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.26	104	6.00	2.95	
Total BTEX	<0.300	0.300	11/24/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>864</b>	16.0	11/28/2022	ND	400	100	400	3.92	

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	11/24/2022	ND	213	106	200	1.67	
<b>DRO &gt;C10-C28*</b>	<b>31.9</b>	10.0	11/24/2022	ND	218	109	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 8 (H225537-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2022	ND	1.94	97.0	2.00	3.03	
Toluene*	<0.050	0.050	11/24/2022	ND	2.03	102	2.00	2.93	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.04	102	2.00	3.19	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.26	104	6.00	2.95	
Total BTEX	<0.300	0.300	11/24/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	11/28/2022	ND	400	100	400	3.92	

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	11/24/2022	ND	213	106	200	1.67	
DRO >C10-C28*	<10.0	10.0	11/24/2022	ND	218	109	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 10 (H225537-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2022	ND	1.94	97.0	2.00	3.03	
Toluene*	<0.050	0.050	11/24/2022	ND	2.03	102	2.00	2.93	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.04	102	2.00	3.19	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.26	104	6.00	2.95	
Total BTEX	<0.300	0.300	11/24/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	11/28/2022	ND	400	100	400	3.92	

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	11/24/2022	ND	213	106	200	1.67	
DRO >C10-C28*	<10.0	10.0	11/24/2022	ND	218	109	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 13 (H225537-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2022	ND	1.94	97.0	2.00	3.03	
Toluene*	<0.050	0.050	11/24/2022	ND	2.03	102	2.00	2.93	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.04	102	2.00	3.19	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.26	104	6.00	2.95	
Total BTEX	<0.300	0.300	11/24/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	11/28/2022	ND	400	100	400	3.92	

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	11/24/2022	ND	213	106	200	1.67	
DRO >C10-C28*	<10.0	10.0	11/24/2022	ND	218	109	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 90.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 16 (H225537-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2022	ND	1.94	97.0	2.00	3.03	
Toluene*	<0.050	0.050	11/24/2022	ND	2.03	102	2.00	2.93	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.04	102	2.00	3.19	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.26	104	6.00	2.95	
Total BTEX	<0.300	0.300	11/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>416</b>	16.0	11/28/2022	ND	400	100	400	3.92	

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	11/24/2022	ND	213	106	200	1.67	
<b>DRO &gt;C10-C28*</b>	<b>89.4</b>	10.0	11/24/2022	ND	218	109	200	1.09	
<b>EXT DRO &gt;C28-C36</b>	<b>16.2</b>	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 84.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 17 (H225537-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2022	ND	1.94	97.0	2.00	3.03	
Toluene*	<0.050	0.050	11/24/2022	ND	2.03	102	2.00	2.93	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.04	102	2.00	3.19	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.26	104	6.00	2.95	
Total BTEX	<0.300	0.300	11/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/24/2022	ND	213	106	200	1.67	
DRO >C10-C28*	<10.0	10.0	11/24/2022	ND	218	109	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 19 (H225537-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2022	ND	1.94	97.0	2.00	3.03	
Toluene*	<0.050	0.050	11/24/2022	ND	2.03	102	2.00	2.93	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.04	102	2.00	3.19	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.26	104	6.00	2.95	
Total BTEX	<0.300	0.300	11/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	944	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/24/2022	ND	213	106	200	1.67	
DRO >C10-C28*	<10.0	10.0	11/24/2022	ND	218	109	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 81.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 20 (H225537-10)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2022	ND	1.94	97.0	2.00	3.03	
Toluene*	<0.050	0.050	11/24/2022	ND	2.03	102	2.00	2.93	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.04	102	2.00	3.19	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.26	104	6.00	2.95	
Total BTEX	<0.300	0.300	11/24/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/24/2022	ND	213	106	200	1.67	
DRO >C10-C28*	<10.0	10.0	11/24/2022	ND	218	109	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 89.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 21 (H225537-11)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2022	ND	1.94	97.0	2.00	3.03	
Toluene*	<0.050	0.050	11/24/2022	ND	2.03	102	2.00	2.93	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.04	102	2.00	3.19	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.26	104	6.00	2.95	
Total BTEX	<0.300	0.300	11/24/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1720	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/24/2022	ND	213	106	200	1.67	
DRO >C10-C28*	<10.0	10.0	11/24/2022	ND	218	109	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 93.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 24 (H225537-12)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2022	ND	1.94	97.0	2.00	3.03	
Toluene*	<0.050	0.050	11/24/2022	ND	2.03	102	2.00	2.93	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.04	102	2.00	3.19	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.26	104	6.00	2.95	
Total BTEX	<0.300	0.300	11/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/24/2022	ND	213	106	200	1.67	
DRO >C10-C28*	<10.0	10.0	11/24/2022	ND	218	109	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 90.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 25 (H225537-13)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2022	ND	1.94	97.0	2.00	3.03	
Toluene*	<0.050	0.050	11/24/2022	ND	2.03	102	2.00	2.93	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.04	102	2.00	3.19	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.26	104	6.00	2.95	
Total BTEX	<0.300	0.300	11/24/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/24/2022	ND	213	106	200	1.67	
DRO >C10-C28*	<10.0	10.0	11/24/2022	ND	218	109	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 88.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 26 (H225537-14)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2022	ND	1.94	97.0	2.00	3.03	
Toluene*	<0.050	0.050	11/24/2022	ND	2.03	102	2.00	2.93	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.04	102	2.00	3.19	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.26	104	6.00	2.95	
Total BTEX	<0.300	0.300	11/24/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>944</b>	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/24/2022	ND	213	106	200	1.67	
<b>DRO &gt;C10-C28*</b>	<b>17.2</b>	10.0	11/24/2022	ND	218	109	200	1.09	
<b>EXT DRO &gt;C28-C36</b>	<b>11.3</b>	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 96.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 27 (H225537-15)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2022	ND	1.94	97.0	2.00	3.03	
Toluene*	<0.050	0.050	11/24/2022	ND	2.03	102	2.00	2.93	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.04	102	2.00	3.19	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.26	104	6.00	2.95	
Total BTEX	<0.300	0.300	11/24/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1180</b>	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/24/2022	ND	213	106	200	1.67	
<b>DRO &gt;C10-C28*</b>	<b>11.7</b>	10.0	11/24/2022	ND	218	109	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 34 (H225537-16)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/28/2022	ND	1.86	92.8	2.00	5.09		
Toluene*	<0.050	0.050	11/28/2022	ND	2.09	105	2.00	3.97		
Ethylbenzene*	<0.050	0.050	11/28/2022	ND	1.93	96.3	2.00	5.97		
Total Xylenes*	<0.150	0.150	11/28/2022	ND	5.79	96.5	6.00	6.33		
Total BTEX	<0.300	0.300	11/28/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	11/28/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/24/2022	ND	213	106	200	1.67		
DRO >C10-C28*	<10.0	10.0	11/24/2022	ND	218	109	200	1.09		
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND						

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 39 (H225537-17)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2022	ND	1.86	92.8	2.00	5.09	
Toluene*	<0.050	0.050	11/28/2022	ND	2.09	105	2.00	3.97	
Ethylbenzene*	<0.050	0.050	11/28/2022	ND	1.93	96.3	2.00	5.97	
Total Xylenes*	<0.150	0.150	11/28/2022	ND	5.79	96.5	6.00	6.33	
Total BTEX	<0.300	0.300	11/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/24/2022	ND	213	106	200	1.67	
DRO >C10-C28*	<10.0	10.0	11/24/2022	ND	218	109	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 44 (H225537-18)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2022	ND	1.86	92.8	2.00	5.09	
Toluene*	<0.050	0.050	11/28/2022	ND	2.09	105	2.00	3.97	
Ethylbenzene*	<0.050	0.050	11/28/2022	ND	1.93	96.3	2.00	5.97	
Total Xylenes*	<0.150	0.150	11/28/2022	ND	5.79	96.5	6.00	6.33	
Total BTEX	<0.300	0.300	11/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/24/2022	ND	213	106	200	1.67	
DRO >C10-C28*	<10.0	10.0	11/24/2022	ND	218	109	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 93.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 45 (H225537-19)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2022	ND	1.86	92.8	2.00	5.09	
Toluene*	<0.050	0.050	11/28/2022	ND	2.09	105	2.00	3.97	
Ethylbenzene*	<0.050	0.050	11/28/2022	ND	1.93	96.3	2.00	5.97	
Total Xylenes*	<0.150	0.150	11/28/2022	ND	5.79	96.5	6.00	6.33	
Total BTEX	<0.300	0.300	11/28/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>864</b>	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/24/2022	ND	213	106	200	1.67	
<b>DRO &gt;C10-C28*</b>	<b>12.0</b>	10.0	11/24/2022	ND	218	109	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 46 (H225537-20)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2022	ND	1.86	92.8	2.00	5.09	
Toluene*	<0.050	0.050	11/28/2022	ND	2.09	105	2.00	3.97	
Ethylbenzene*	<0.050	0.050	11/28/2022	ND	1.93	96.3	2.00	5.97	
Total Xylenes*	<0.150	0.150	11/28/2022	ND	5.79	96.5	6.00	6.33	
Total BTEX	<0.300	0.300	11/28/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>896</b>	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/24/2022	ND	213	106	200	1.67	
<b>DRO &gt;C10-C28*</b>	<b>20.8</b>	10.0	11/24/2022	ND	218	109	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 97.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 47 (H225537-21)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2022	ND	1.86	92.8	2.00	5.09	
Toluene*	<0.050	0.050	11/28/2022	ND	2.09	105	2.00	3.97	
Ethylbenzene*	<0.050	0.050	11/28/2022	ND	1.93	96.3	2.00	5.97	
Total Xylenes*	<0.150	0.150	11/28/2022	ND	5.79	96.5	6.00	6.33	
Total BTEX	<0.300	0.300	11/28/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/24/2022	ND	213	106	200	1.67	
DRO >C10-C28*	<10.0	10.0	11/24/2022	ND	218	109	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 48 (H225537-22)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2022	ND	1.86	92.8	2.00	5.09	
Toluene*	<0.050	0.050	11/28/2022	ND	2.09	105	2.00	3.97	
Ethylbenzene*	<0.050	0.050	11/28/2022	ND	1.93	96.3	2.00	5.97	
Total Xylenes*	<0.150	0.150	11/28/2022	ND	5.79	96.5	6.00	6.33	
Total BTEX	<0.300	0.300	11/28/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>688</b>	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/24/2022	ND	213	106	200	1.67	
DRO >C10-C28*	<10.0	10.0	11/24/2022	ND	218	109	200	1.09	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 81.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.3 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 49 (H225537-23)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2022	ND	1.86	92.8	2.00	5.09	
Toluene*	<0.050	0.050	11/28/2022	ND	2.09	105	2.00	3.97	
Ethylbenzene*	<0.050	0.050	11/28/2022	ND	1.93	96.3	2.00	5.97	
Total Xylenes*	<0.150	0.150	11/28/2022	ND	5.79	96.5	6.00	6.33	
Total BTEX	<0.300	0.300	11/28/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/24/2022	ND	206	103	200	7.09	
DRO >C10-C28*	<10.0	10.0	11/24/2022	ND	191	95.4	200	9.26	
EXT DRO >C28-C36	<10.0	10.0	11/24/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 50 (H225537-24)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2022	ND	1.86	92.8	2.00	5.09	
Toluene*	<0.050	0.050	11/28/2022	ND	2.09	105	2.00	3.97	
Ethylbenzene*	<0.050	0.050	11/28/2022	ND	1.93	96.3	2.00	5.97	
Total Xylenes*	<0.150	0.150	11/28/2022	ND	5.79	96.5	6.00	6.33	
Total BTEX	<0.300	0.300	11/28/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2022	ND	212	106	200	0.877	
DRO >C10-C28*	<10.0	10.0	11/28/2022	ND	197	98.5	200	0.243	
EXT DRO >C28-C36	<10.0	10.0	11/28/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 2 - B (H225537-25)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2022	ND	1.86	92.8	2.00	5.09	
Toluene*	<0.050	0.050	11/28/2022	ND	2.09	105	2.00	3.97	
Ethylbenzene*	<0.050	0.050	11/28/2022	ND	1.93	96.3	2.00	5.97	
Total Xylenes*	<0.150	0.150	11/28/2022	ND	5.79	96.5	6.00	6.33	
Total BTEX	<0.300	0.300	11/28/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1020</b>	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2022	ND	212	106	200	0.877	
<b>DRO &gt;C10-C28*</b>	<b>14.1</b>	10.0	11/28/2022	ND	197	98.5	200	0.243	
EXT DRO >C28-C36	<10.0	10.0	11/28/2022	ND					

Surrogate: 1-Chlorooctane 93.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 2 - D (H225537-26)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2022	ND	1.86	92.8	2.00	5.09	
Toluene*	<0.050	0.050	11/28/2022	ND	2.09	105	2.00	3.97	
Ethylbenzene*	<0.050	0.050	11/28/2022	ND	1.93	96.3	2.00	5.97	
Total Xylenes*	<0.150	0.150	11/28/2022	ND	5.79	96.5	6.00	6.33	
Total BTEX	<0.300	0.300	11/28/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	976	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2022	ND	212	106	200	0.877	
DRO >C10-C28*	<10.0	10.0	11/28/2022	ND	197	98.5	200	0.243	
EXT DRO >C28-C36	<10.0	10.0	11/28/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	11/23/2022	Sampling Date:	11/22/2022
Reported:	11/29/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: W 6 - A (H225537-27)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2022	ND	1.86	92.8	2.00	5.09	
Toluene*	<0.050	0.050	11/28/2022	ND	2.09	105	2.00	3.97	
Ethylbenzene*	<0.050	0.050	11/28/2022	ND	1.93	96.3	2.00	5.97	
Total Xylenes*	<0.150	0.150	11/28/2022	ND	5.79	96.5	6.00	6.33	
Total BTEX	<0.300	0.300	11/28/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1070	16.0	11/28/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/28/2022	ND	212	106	200	0.877	
DRO >C10-C28*	<10.0	10.0	11/28/2022	ND	197	98.5	200	0.243	
EXT DRO >C28-C36	<10.0	10.0	11/28/2022	ND					

Surrogate: 1-Chlorooctane 85.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.8 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

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

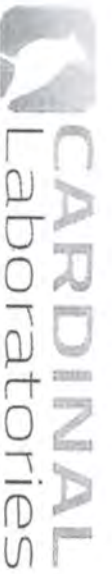
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101 East Marland, Hobbs, NM 88240  
 (575) 393-2326 FAX (575) 393-2476

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

<b>Company Name:</b> <u>EX Si</u> <b>Project Manager:</b> <u>Maverick M. White</u> <b>Address:</b> <u>105 W Main St.</u> <b>City:</b> <u>Deer</u> <b>State:</b> <u>TX</u> <b>Zip:</b> <u>790234</u> <b>Phone #:</b> _____ <b>Fax #:</b> _____ <b>Project #:</b> _____ <b>Project Owner:</b> <u>Shan Myrick</u> <b>Project Name:</b> <u>EA M9</u> <b>Project Location:</b> <u>Arkis m9</u> <b>Sampler Name:</b> <u>Kelly</u>		<b>BILL TO</b> <b>P.O. #:</b> _____ <b>Company:</b> <u>Agada Corp</u> <b>Attn:</b> <u>Long Baker</u> <b>Address:</b> _____ <b>City:</b> _____ <b>State:</b> _____ <b>Zip:</b> _____ <b>Phone #:</b> _____ <b>Fax #:</b> _____	
<b>FOR LAB USE ONLY</b> <b>Lab I.D.:</b> _____ <b>Sample I.D.:</b> _____ <u>H225537</u>		(G)RAB OR (C)OMP. _____ # CONTAINERS _____ GROUNDWATER _____ WASTEWATER _____ SOIL <input checked="" type="checkbox"/> _____ OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL _____ OTHER: _____	PRESERV: _____ SAMPLING _____ DATE: <u>11-23-22</u> TIME: _____
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<b>Relinquished By:</b> _____ <b>Date:</b> <u>11-23-22</u> <b>Relinquished By:</b> _____ <b>Date:</b> <u>1006</u> <b>Received By:</b> _____		REMARKS: <u>Email to Long Baker (see Packet)</u> Turnaround Time: _____ Thermometer ID #113 <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Flush Correction Factor -0.5°C <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Observed Temp. °C _____ Corrected Temp. °C _____	
Delivered By: (Circle One) _____ Observed Temp. °C <u>-8.1</u> Corrected Temp. °C <u>-8.7</u>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Checked BY: (Initials) <u>JS</u>	

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





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December 02, 2022

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: APACHE - EAU M9

Enclosed are the results of analyses for samples received by the laboratory on 11/29/22 15:35.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: A 1 (H225584-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.92	95.8	2.00	2.76	
Toluene*	<0.050	0.050	11/30/2022	ND	2.08	104	2.00	2.14	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.11	105	2.00	3.46	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.47	108	6.00	4.30	
Total BTEX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>416</b>	16.0	11/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	210	105	200	4.81	
<b>DRO &gt;C10-C28*</b>	<b>154</b>	10.0	11/30/2022	ND	198	99.2	200	3.62	
<b>EXT DRO &gt;C28-C36</b>	<b>14.9</b>	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 86.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: A 2 (H225584-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.92	95.8	2.00	2.76	
Toluene*	<0.050	0.050	11/30/2022	ND	2.08	104	2.00	2.14	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.11	105	2.00	3.46	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.47	108	6.00	4.30	
Total BTEX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>160</b>	16.0	11/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	210	105	200	4.81	
<b>DRO &gt;C10-C28*</b>	<b>17.3</b>	10.0	11/30/2022	ND	198	99.2	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 92.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: A 3 (H225584-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.92	95.8	2.00	2.76	
Toluene*	<0.050	0.050	11/30/2022	ND	2.08	104	2.00	2.14	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.11	105	2.00	3.46	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.47	108	6.00	4.30	
Total BTEX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 138 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>400</b>	16.0	11/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	210	105	200	4.81	
<b>DRO &gt;C10-C28*</b>	<b>110</b>	10.0	11/30/2022	ND	198	99.2	200	3.62	
<b>EXT DRO &gt;C28-C36</b>	<b>10.9</b>	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 90.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 100 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: A 4 (H225584-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.92	95.8	2.00	2.76	
Toluene*	<0.050	0.050	11/30/2022	ND	2.08	104	2.00	2.14	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.11	105	2.00	3.46	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.47	108	6.00	4.30	
Total BTEX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 166 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>288</b>	16.0	11/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	210	105	200	4.81	
<b>DRO &gt;C10-C28*</b>	<b>78.4</b>	10.0	11/30/2022	ND	198	99.2	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 80.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.1 % 46.3-178

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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 1 (H225584-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.92	95.8	2.00	2.76	
Toluene*	<0.050	0.050	11/30/2022	ND	2.08	104	2.00	2.14	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.11	105	2.00	3.46	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.47	108	6.00	4.30	
Total BTEX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>368</b>	16.0	11/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	210	105	200	4.81	
<b>DRO &gt;C10-C28*</b>	<b>14.6</b>	10.0	11/30/2022	ND	198	99.2	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 90.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 2 (H225584-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.92	95.8	2.00	2.76	
Toluene*	<0.050	0.050	11/30/2022	ND	2.08	104	2.00	2.14	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.11	105	2.00	3.46	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.47	108	6.00	4.30	
Total BTEX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	11/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	210	105	200	4.81	
<b>DRO &gt;C10-C28*</b>	<b>18.2</b>	10.0	11/30/2022	ND	198	99.2	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 83.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.4 % 46.3-178

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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 3 (H225584-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.92	95.8	2.00	2.76	
Toluene*	<0.050	0.050	11/30/2022	ND	2.08	104	2.00	2.14	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.11	105	2.00	3.46	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.47	108	6.00	4.30	
Total BTEX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>192</b>	16.0	11/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	210	105	200	4.81	
<b>DRO &gt;C10-C28*</b>	<b>13.4</b>	10.0	11/30/2022	ND	198	99.2	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 97.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 4 (H225584-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.92	95.8	2.00	2.76	
Toluene*	<0.050	0.050	11/30/2022	ND	2.08	104	2.00	2.14	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.11	105	2.00	3.46	
<b>Total Xylenes*</b>	<b>0.325</b>	0.150	11/30/2022	ND	6.47	108	6.00	4.30	
<b>Total BTEX</b>	<b>0.325</b>	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 178 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>240</b>	16.0	11/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>15.2</b>	10.0	11/30/2022	ND	210	105	200	4.81	
<b>DRO &gt;C10-C28*</b>	<b>529</b>	10.0	11/30/2022	ND	198	99.2	200	3.62	
<b>EXT DRO &gt;C28-C36</b>	<b>82.6</b>	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 91.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 128 % 46.3-178

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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: C 1 (H225584-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.92	95.8	2.00	2.76	
Toluene*	<0.050	0.050	11/30/2022	ND	2.08	104	2.00	2.14	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.11	105	2.00	3.46	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.47	108	6.00	4.30	
Total BTEX	<0.300	0.300	11/30/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>112</b>	16.0	11/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	210	105	200	4.81	
<b>DRO &gt;C10-C28*</b>	<b>47.0</b>	10.0	11/30/2022	ND	198	99.2	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: C 2 (H225584-10)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.92	95.8	2.00	2.76	
Toluene*	<0.050	0.050	11/30/2022	ND	2.08	104	2.00	2.14	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.11	105	2.00	3.46	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.47	108	6.00	4.30	
Total BTEX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>400</b>	16.0	11/30/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	210	105	200	4.81	
<b>DRO &gt;C10-C28*</b>	<b>19.4</b>	10.0	11/30/2022	ND	198	99.2	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 96.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: C 3 (H225584-11)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.92	95.8	2.00	2.76	
Toluene*	<0.050	0.050	11/30/2022	ND	2.08	104	2.00	2.14	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.11	105	2.00	3.46	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.47	108	6.00	4.30	
Total BTEX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>144</b>	16.0	11/30/2022	ND	400	100	400	3.92	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	210	105	200	4.81	
<b>DRO &gt;C10-C28*</b>	<b>40.0</b>	10.0	11/30/2022	ND	198	99.2	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 81.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.3 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: D 3 (H225584-12)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.92	95.8	2.00	2.76	
Toluene*	<0.050	0.050	11/30/2022	ND	2.08	104	2.00	2.14	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.11	105	2.00	3.46	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.47	108	6.00	4.30	
Total BTEX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/30/2022	ND	400	100	400	3.92	

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	11/30/2022	ND	210	105	200	4.81	
DRO >C10-C28*	<10.0	10.0	11/30/2022	ND	198	99.2	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: D 4 (H225584-13)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.92	95.8	2.00	2.76	
Toluene*	<0.050	0.050	11/30/2022	ND	2.08	104	2.00	2.14	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.11	105	2.00	3.46	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.47	108	6.00	4.30	
Total BTEX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1920</b>	16.0	11/30/2022	ND	400	100	400	3.92	

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	11/30/2022	ND	210	105	200	4.81	
<b>DRO &gt;C10-C28*</b>	<b>17.5</b>	10.0	11/30/2022	ND	198	99.2	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 94.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: E 1 (H225584-14)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.92	95.8	2.00	2.76	
Toluene*	<0.050	0.050	11/30/2022	ND	2.08	104	2.00	2.14	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.11	105	2.00	3.46	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.47	108	6.00	4.30	
Total BTEX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>192</b>	16.0	11/30/2022	ND	400	100	400	3.92	

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	11/30/2022	ND	210	105	200	4.81	
<b>DRO &gt;C10-C28*</b>	<b>78.8</b>	10.0	11/30/2022	ND	198	99.2	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 98.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: E 2 (H225584-15)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.92	95.8	2.00	2.76	
Toluene*	<0.050	0.050	11/30/2022	ND	2.08	104	2.00	2.14	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.11	105	2.00	3.46	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.47	108	6.00	4.30	
Total BTEX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>128</b>	16.0	11/30/2022	ND	400	100	400	3.92	

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	11/30/2022	ND	210	105	200	4.81	
<b>DRO &gt;C10-C28*</b>	<b>12.1</b>	10.0	11/30/2022	ND	198	99.2	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 81.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: E 3 (H225584-16)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.92	95.8	2.00	2.76	
Toluene*	<0.050	0.050	11/30/2022	ND	2.08	104	2.00	2.14	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.11	105	2.00	3.46	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.47	108	6.00	4.30	
Total BTEX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	11/30/2022	ND	400	100	400	3.92	

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	11/30/2022	ND	210	105	200	4.81	
DRO >C10-C28*	<10.0	10.0	11/30/2022	ND	198	99.2	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 90.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: E 4 (H225584-17)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.92	95.8	2.00	2.76	
Toluene*	<0.050	0.050	11/30/2022	ND	2.08	104	2.00	2.14	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.11	105	2.00	3.46	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.47	108	6.00	4.30	
Total BTEX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>800</b>	16.0	11/30/2022	ND	400	100	400	3.92	

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	11/30/2022	ND	210	105	200	4.81	
<b>DRO &gt;C10-C28*</b>	<b>11.2</b>	10.0	11/30/2022	ND	198	99.2	200	3.62	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 89.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: F 1 (H225584-18)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.92	95.8	2.00	2.76	
Toluene*	<0.050	0.050	11/30/2022	ND	2.08	104	2.00	2.14	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.11	105	2.00	3.46	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.47	108	6.00	4.30	
Total BTEX	<0.300	0.300	11/30/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>1360</b>	16.0	11/30/2022	ND	400	100	400	3.92	

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	11/30/2022	ND	219	110	200	5.02	
<b>DRO &gt;C10-C28*</b>	<b>15.1</b>	10.0	11/30/2022	ND	227	114	200	5.55	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 82.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.0 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: F 2 (H225584-19)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.83	91.7	2.00	0.307	
Toluene*	<0.050	0.050	11/30/2022	ND	2.03	102	2.00	0.142	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.09	104	2.00	0.428	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.46	108	6.00	1.03	
Total BTEX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>224</b>	16.0	11/30/2022	ND	400	100	400	3.92	

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	11/30/2022	ND	219	110	200	5.02	
<b>DRO &gt;C10-C28*</b>	<b>24.9</b>	10.0	11/30/2022	ND	227	114	200	5.55	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 84.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.6 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: F 3 (H225584-20)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.83	91.7	2.00	0.307	
Toluene*	<0.050	0.050	11/30/2022	ND	2.03	102	2.00	0.142	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.09	104	2.00	0.428	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.46	108	6.00	1.03	
Total BTEX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	11/30/2022	ND	400	100	400	3.92	

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	11/30/2022	ND	219	110	200	5.02	
<b>DRO &gt;C10-C28*</b>	<b>25.1</b>	10.0	11/30/2022	ND	227	114	200	5.55	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 94.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/02/2022	Sampling Type:	Soil
Project Name:	APACHE - EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: F 4 (H225584-21)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.83	91.7	2.00	0.307	
Toluene*	<0.050	0.050	11/30/2022	ND	2.03	102	2.00	0.142	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.09	104	2.00	0.428	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.46	108	6.00	1.03	
Total BTEX	<0.300	0.300	11/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>128</b>	16.0	11/30/2022	ND	400	100	400	3.92	

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	11/30/2022	ND	219	110	200	5.02	
<b>DRO &gt;C10-C28*</b>	<b>72.6</b>	10.0	11/30/2022	ND	227	114	200	5.55	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					

Surrogate: 1-Chlorooctane 96.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: **PX 501** P.O. #: **BILL TO** ANALYSIS REQUEST

Project Manager: **Markwick Mickle** Company: **Apache Corp**

Address: **105 W Main St.** Attn: **Larry Baker**

State: **TX** Zip: **76254** Address:

City: Project Owner: **Stem Mickle** State: Zip:

Phone #: Fax #: Other:

Client Name: **CAU m9** Other:

Client Location: **Arksis, NM** Other:

Client Name: **Kelly** Other:

LAB USE ONLY

I.D.	Sample I.D.	(G)RAB OR (C)COMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
225584	A1		1						11-29-22		Chloride	
	A2										BTEX	
	A3										TPH	
	A4											
	A5											
	A6											
	A7											
	A8											
	A9											
	A10											

LAB USE ONLY

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

Observed Temp. °C: **22.7** Corrected Temp. °C: **22.1**

Remarks: **Per Larry Baker (see Rock)**



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**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Party Name: **RX 531**

Project Manager: **Maurice Mickel**

Address: **105 W Main St.**

State: **TX**

Zip: **76234**

Fax #:

Project Owner: **Stan Mickel**

Client Name: **Earl m9**

Client Location: **Adkins, NM**

Client Name: **Kelley**

AG USE ONLY

**BILL TO**

P.O. #:

Company: **Appelle Corp**

Address: **Lang Bkr**

City:

State: **TX**

Phone #:

Fax #:

**ANALYSIS REQUEST**

Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
125584		1			X				11-25-22	Chloride	
11										BTEX	
12										SPH	
13											
14											
15											
16											
17											
18											
19											
20											

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Prepared By: (Circle One) **DL** Observed Temp. °C **22.7** Corrected Temp. °C **22.1** Sample Condition  Cool Intact  Yes  No  Checked BY: **DL** Turnaround Time: **24 HRS** Standard  Bacteria (only) Sample Condition  Cool Intact  Yes  No  Corrected Temp. °C

Received By: **Stan Mickel** Date: **11-29-22** Time: **1535** Received By: **Stan Mickel** Date: **11-29-22** Time: **1535**

Remarks: **Email to: RX from Lang Bkr Earl Mickel**



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: **EX 551**

**BILL TO**

ANALYSIS REQUEST

Project Manager: **Mawrité Michelle**

P.O. #:

Address: **105 W Main St.**

Company:

State: **TX** Zip: **76234**

Alt#: \_\_\_\_\_

Project Owner: **Shirley Michelle**

Address: \_\_\_\_\_

City: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_

Phone #: \_\_\_\_\_

Fax #: \_\_\_\_\_

Client Name: **CAU m0**

Project Location: **Adkins, NM**

Client Name: **Kelly**

Matrix: \_\_\_\_\_

LAB USE ONLY

Lab I.D. **1025584** Sample I.D. **F-1**

(G)RAB OR (C)OMP.	
# CONTAINERS	1
GROUNDWATER	
WASTEWATER	
SOIL	X
OIL	
SLUDGE	
OTHER :	
ACID/BASE:	
ICE / COOL	
OTHER :	

DATE **11-25-22** TIME \_\_\_\_\_

X Chloride  
X BTEX  
X TPH

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December 07, 2022

STAN MICKLE  
RX-SOIL INC.

201 MAIN STREET, SUITE 1360  
FORT WORTH, TX 76102

RE: EAU M9

Enclosed are the results of analyses for samples received by the laboratory on 11/30/22 15:42.

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](http://www.tceq.texas.gov/field/ga/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

Mike Snyder For Celey D. Keene  
Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received: 11/30/2022  
 Reported: 12/07/2022  
 Project Name: EAU M9  
 Project Number: ARTESIA, NM  
 Project Location: APACHE - ARTESIA, NM

Sampling Date: 11/30/2022  
 Sampling Type: Soil  
 Sampling Condition: \*\* (See Notes)  
 Sample Received By: Tamara Oldaker

**Sample ID: C 4 (H225614-01)****BTEX 8021B** **mg/kg** **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2022	ND	2.07	103	2.00	1.01	
Toluene*	<0.050	0.050	12/03/2022	ND	2.15	108	2.00	1.19	
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	2.08	104	2.00	1.00	GC-NC
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.37	106	6.00	1.36	
Total BTEX	<0.300	0.300	12/03/2022	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140***Chloride, SM4500Cl-B** **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>128</b>	16.0	12/02/2022	ND	416	104	400	0.00	

**TPH 8015M** **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2022	ND	212	106	200	0.727	
<b>DRO &gt;C10-C28*</b>	<b>89.9</b>	10.0	12/03/2022	ND	196	98.0	200	1.69	
<b>EXT DRO &gt;C28-C36</b>	<b>10.5</b>	10.0	12/03/2022	ND					

*Surrogate: 1-Chlorooctane 85.9 % 45.3-161**Surrogate: 1-Chlorooctadecane 104 % 46.3-178***Cardinal Laboratories****\*=Accredited Analyte**

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/30/2022	Sampling Date:	11/30/2022
Reported:	12/07/2022	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	** (See Notes)
Project Number:	ARTESIA, NM	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: D 1 (H225614-02)****BTEX 8021B mg/kg Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2022	ND	2.07	103	2.00	1.01	
Toluene*	<0.050	0.050	12/03/2022	ND	2.15	108	2.00	1.19	
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	2.08	104	2.00	1.00	
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.37	106	6.00	1.36	
Total BTEX	<0.300	0.300	12/03/2022	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140***Chloride, SM4500Cl-B mg/kg Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>672</b>	16.0	12/02/2022	ND	416	104	400	0.00	

**TPH 8015M mg/kg Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2022	ND	212	106	200	0.727	
DRO >C10-C28*	<10.0	10.0	12/03/2022	ND	196	98.0	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	12/03/2022	ND					

*Surrogate: 1-Chlorooctane 78.5 % 45.3-161**Surrogate: 1-Chlorooctadecane 87.1 % 46.3-178*

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	11/30/2022	Sampling Date:	11/30/2022
Reported:	12/07/2022	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	** (See Notes)
Project Number:	ARTESIA, NM	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: D 2 (H225614-03)****BTEX 8021B** **mg/kg** **Analyzed By: JH**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2022	ND	2.07	103	2.00	1.01	
Toluene*	<0.050	0.050	12/03/2022	ND	2.15	108	2.00	1.19	
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	2.08	104	2.00	1.00	
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.37	106	6.00	1.36	
Total BTEX	<0.300	0.300	12/03/2022	ND					

*Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140***Chloride, SM4500Cl-B** **mg/kg** **Analyzed By: AC**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>320</b>	16.0	12/02/2022	ND	432	108	400	0.00	

**TPH 8015M** **mg/kg** **Analyzed By: MS**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2022	ND	212	106	200	0.727	
DRO >C10-C28*	<10.0	10.0	12/03/2022	ND	196	98.0	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	12/03/2022	ND					

*Surrogate: 1-Chlorooctane 88.3 % 45.3-161**Surrogate: 1-Chlorooctadecane 97.2 % 46.3-178***Cardinal Laboratories****\*=Accredited Analyte**

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Notes and Definitions**

- GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
- 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 SM4500C-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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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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December 05, 2022

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: EAU M9

Enclosed are the results of analyses for samples received by the laboratory on 12/01/22 12:25.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/05/2022	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: W 1 - C (H225640-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	12/05/2022	ND	432	108	400	3.64	

**Sample ID: W 2 - E (H225640-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	12/05/2022	ND	432	108	400	3.64	

**Sample ID: W 6 - B (H225640-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/05/2022	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/05/2022	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: W 9 (H225640-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2022	ND	1.99	99.6	2.00	5.88	
Toluene*	<0.050	0.050	12/03/2022	ND	1.99	99.3	2.00	4.81	
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	1.97	98.4	2.00	6.31	
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.06	101	6.00	5.51	
Total BTEX	<0.300	0.300	12/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>64.0</b>	16.0	12/05/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2022	ND	220	110	200	3.63	
<b>DRO &gt;C10-C28*</b>	<b>2410</b>	10.0	12/04/2022	ND	201	100	200	9.60	
<b>EXT DRO &gt;C28-C36</b>	<b>999</b>	10.0	12/04/2022	ND					

Surrogate: 1-Chlorooctane 94.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 130 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/05/2022	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: W 20 (H225640-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2022	ND	1.99	99.6	2.00	5.88	
Toluene*	<0.050	0.050	12/03/2022	ND	1.99	99.3	2.00	4.81	
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	1.97	98.4	2.00	6.31	
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.06	101	6.00	5.51	
Total BTEX	<0.300	0.300	12/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>720</b>	16.0	12/05/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2022	ND	220	110	200	3.63	
<b>DRO &gt;C10-C28*</b>	<b>29.4</b>	10.0	12/04/2022	ND	201	100	200	9.60	
<b>EXT DRO &gt;C28-C36</b>	<b>38.2</b>	10.0	12/04/2022	ND					

Surrogate: 1-Chlorooctane 92.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/05/2022	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: W 22 (H225640-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2022	ND	1.99	99.6	2.00	5.88	
Toluene*	<0.050	0.050	12/03/2022	ND	1.99	99.3	2.00	4.81	
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	1.97	98.4	2.00	6.31	
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.06	101	6.00	5.51	
Total BTEX	<0.300	0.300	12/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/05/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2022	ND	220	110	200	3.63	
DRO >C10-C28*	<10.0	10.0	12/04/2022	ND	201	100	200	9.60	
EXT DRO >C28-C36	<10.0	10.0	12/04/2022	ND					

Surrogate: 1-Chlorooctane 83.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/05/2022	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: W 23 (H225640-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2022	ND	1.99	99.6	2.00	5.88	
Toluene*	<0.050	0.050	12/03/2022	ND	1.99	99.3	2.00	4.81	
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	1.97	98.4	2.00	6.31	
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.06	101	6.00	5.51	
Total BTEX	<0.300	0.300	12/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/05/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2022	ND	220	110	200	3.63	
DRO >C10-C28*	<10.0	10.0	12/04/2022	ND	201	100	200	9.60	
EXT DRO >C28-C36	<10.0	10.0	12/04/2022	ND					

Surrogate: 1-Chlorooctane 97.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/05/2022	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: W 24 (H225640-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2022	ND	1.99	99.6	2.00	5.88	
Toluene*	<0.050	0.050	12/03/2022	ND	1.99	99.3	2.00	4.81	
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	1.97	98.4	2.00	6.31	
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.06	101	6.00	5.51	
Total BTEX	<0.300	0.300	12/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/05/2022	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2022	ND	220	110	200	3.63	
DRO >C10-C28*	<10.0	10.0	12/04/2022	ND	201	100	200	9.60	
EXT DRO >C28-C36	<10.0	10.0	12/04/2022	ND					

Surrogate: 1-Chlorooctane 99.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.1 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/05/2022	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 13 (H225640-09)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>80.0</b>	16.0	12/05/2022	ND	432	108	400	3.64	

**Sample ID: B 19 (H225640-10)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>752</b>	16.0	12/05/2022	ND	432	108	400	3.64	

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

Cardinal Laboratories

\*=Accredited Analyte

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager

# CARDINAL LABORATORIES

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: **RX Soil**

Project Manager: **Stan Mickle**

Address: **105 W Main St.**

City: **Decatur**

State: **TX** Zip: **76234**

Phone #: \_\_\_\_\_

Fax #: \_\_\_\_\_

Project Owner: **Apache**

Client Name: **E AU M9**

Client Location: **Artesia, NM**

Client Name: **Tristan Turley**

Sample I.D. **Sample I.D.**

I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
1	W1-C					X				12/1/24		Chlorides
2	W2-E											TPH
3	W6-B											B-Tox
4	W9											
5	W20											
6	W22											
7	W23											
8	W24											
9	B13											
10	B19											

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Shipped By: **Tristan Turley** Date: **12/1/24** Received By: **Tristan Turley**

Time: **12:35** Date: \_\_\_\_\_

Observed Temp. °C: **14.5** Corrected Temp. °C: **13.9**

Sample Condition:  Intact  Cool  Yes  No

Checked By: **AT**

Turnaround Time: \_\_\_\_\_ Standard  Bacteria (only) Sample Condition  Cool  Intact  Yes  No

Thermometer ID #113 Correction Factor -0.5°C

Verbal Result:  Yes  No Add'l Phone #: \_\_\_\_\_

REMARKS: \_\_\_\_\_

Received by OCD: 5/16/2023 3:42:39 PM

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



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

---

December 07, 2022

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: EAU M9

Enclosed are the results of analyses for samples received by the laboratory on 12/02/22 14:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager





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

**Analytical Results For:**

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

Received:	12/02/2022	Sampling Date:	12/02/2022
Reported:	12/07/2022	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	** (See Notes)
Project Number:	ARTESIA, NM	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: A 1 (H225659-01)**

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	12/05/2022	ND	203	101	200	8.45	
DRO >C10-C28*	<10.0	10.0	12/05/2022	ND	188	94.2	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	12/05/2022	ND					
<i>Surrogate: 1-Chlorooctane</i>		<i>99.7 %</i>	<i>45.3-161</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>112 %</i>	<i>46.3-178</i>						

**Sample ID: A 3 (H225659-02)**

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	12/05/2022	ND	203	101	200	8.45	
DRO >C10-C28*	<10.0	10.0	12/05/2022	ND	188	94.2	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	12/05/2022	ND					
<i>Surrogate: 1-Chlorooctane</i>		<i>98.8 %</i>	<i>45.3-161</i>						
<i>Surrogate: 1-Chlorooctadecane</i>		<i>112 %</i>	<i>46.3-178</i>						

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/02/2022	Sampling Date:	12/02/2022
Reported:	12/07/2022	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	** (See Notes)
Project Number:	ARTESIA, NM	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 4 (H225659-03)**

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	12/05/2022	ND	203	101	200	8.45	
DRO >C10-C28*	<10.0	10.0	12/05/2022	ND	188	94.2	200	2.88	
EXT DRO >C28-C36	<10.0	10.0	12/05/2022	ND					
Surrogate: 1-Chlorooctane	97.2 %	45.3-161							
Surrogate: 1-Chlorooctadecane	110 %	46.3-178							

**Sample ID: D 4 (H225659-04)**

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	12/06/2022	ND	400	100	400	3.92	

**Sample ID: E 4 (H225659-05)**

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	12/06/2022	ND	400	100	400	3.92	

**Sample ID: F 1 (H225659-06)**

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	12/06/2022	ND	400	100	400	3.92	

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\* = Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/02/2022	Sampling Date:	12/02/2022
Reported:	12/07/2022	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	** (See Notes)
Project Number:	ARTESIA, NM	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 43 (H225659-07)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>128</b>	16.0	12/06/2022	ND	400	100	400	3.92	

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

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

---

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A handwritten signature in black ink, appearing to read "Mike Snyder".

---

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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

---

December 12, 2022

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: M 9

Enclosed are the results of analyses for samples received by the laboratory on 12/05/22 12:42.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/05/2022	Sampling Date:	12/05/2022
Reported:	12/12/2022	Sampling Type:	Soil
Project Name:	M 9	Sampling Condition:	** (See Notes)
Project Number:	APACHE	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 7 (H225687-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>144</b>	16.0	12/08/2022	ND	416	104	400	3.77	

**Sample ID: B 23 (H225687-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	12/08/2022	ND	416	104	400	3.77	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

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

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager





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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: RX Soil P.O. #:  
 Project Manager: Stan Mickle Company: Apache Corp  
 Address: 105 W Main St Attn: Larry Baker  
 City: Decatur State: TX Zip: 76234  
 Phone #: Fax #: Project Owner: Apache  
 Project #: Project Name: M9 State: Zip:  
 Project Location: Artesia, NM Phone #: Fax #:  
 Sampler Name: Toshan Turley

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX							DATE	TIME	REMARKS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:			
<u>H225687</u>	<u>B7</u>					<input checked="" type="checkbox"/>					<u>12/5</u>		<u>Chlorides</u>
	<u>B23</u>					<input checked="" type="checkbox"/>					<u>12/5</u>		

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Relinquished By: [Signature] Date: 12/5 Received By: [Signature]  
 Relinquished By: [Signature] Date: 12-4-2 Received By: [Signature]

Delivered By: (Circle One) Observed Temp. °C 24.4 Sample Condition Cool Intact  Yes  No  
 Sampler - UPS - Bus - Other: Corrected Temp. °C 23.8 CHECKED BY: [Signature]  
 Turnaround Time: Standard  Rush  Bacteria (only) Sample Condition Cool Intact  Yes  No  
 Thermometer ID #113 Correction Factor -0.6°C



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

---

December 08, 2022

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: M 9

Enclosed are the results of analyses for samples received by the laboratory on 12/05/22 16:32.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/05/2022	Sampling Date:	12/05/2022
Reported:	12/08/2022	Sampling Type:	Soil
Project Name:	M 9	Sampling Condition:	** (See Notes)
Project Number:	ARTESIA, NM	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: B 15 (H225699-01)**

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	12/08/2022	ND	187	93.7	200	1.30	
<b>DRO &gt;C10-C28*</b>	<b>46.9</b>	10.0	12/08/2022	ND	159	79.7	200	16.9	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	85.2 %	45.3-161							
Surrogate: 1-Chlorooctadecane	99.2 %	46.3-178							

**Sample ID: B 16 (H225699-02)**

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	12/08/2022	ND	187	93.7	200	1.30	
DRO >C10-C28*	<10.0	10.0	12/08/2022	ND	159	79.7	200	16.9	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					
<hr/>									
Surrogate: 1-Chlorooctane	87.8 %	45.3-161							
Surrogate: 1-Chlorooctadecane	97.9 %	46.3-178							

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

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

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>RX 5011 INC</b> Project Manager: <b>AD Merrick Mickle</b> Address: <b>105 W Main St</b> City: <b>Deerborn</b> State: <b>Tx</b> zip: <b>76234</b> Phone #: _____ Fax #: _____ Project #: _____ Project Owner: <b>Stan Mickle</b> Project Location: _____ Sampler Name: <b>Jason Cole</b> <small>FOR LAB USE ONLY</small>		<b>BILL TO</b> P.O. #: _____ Company: <b>Apache Corp.</b> Attn: <b>Larry Parker</b> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Lab I.D. <b>H225699</b> Sample I.D. <b>B15 B16</b>		(G)RAB OR (C)OMP. _____ # CONTAINERS _____ GROUNDWATER _____ WASTEWATER _____ MATRIX SOIL _____ OIL _____ SLUDGE _____ OTHER : _____ ACID/BASE: _____ ICE / COOL _____ OTHER : _____ DATE <b>12/5</b> TIME <b>2:00 PM</b>	
Relinquished By: <b>Jason Cole</b> Date: <b>12-5-22</b> Time: <b>16:32</b>		Received By: <b>Jason Cole</b> Date: _____ Time: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C <b>25.8</b> Corrected Temp. °C <b>25.8</b>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked By: <b>TC</b> Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/> Thermometer ID #113 <input type="checkbox"/> <input checked="" type="checkbox"/> Correction Factor -0.6°C <input type="checkbox"/> <input checked="" type="checkbox"/>	
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		REMARKS: <b>Email to Rsgroup/Larry Parker/Cesar Rocha</b>	

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



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

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December 14, 2022

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: M 9

Enclosed are the results of analyses for samples received by the laboratory on 12/07/22 15:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	12/07/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	M 9	Sampling Condition:	** (See Notes)
Project Number:	APACHE	Sample Received By:	Tamara Oldaker
Project Location:	ARTESIA, NM		

**Sample ID: D 4 (H225770-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	12/09/2022	ND	432	108	400	0.00	

**Sample ID: E 4 (H225770-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/09/2022	ND	432	108	400	0.00	

**Sample ID: F 1 (H225770-03)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	12/09/2022	ND	432	108	400	0.00	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager







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---

January 31, 2023

MAVERICK MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: EAU M9

Enclosed are the results of analyses for samples received by the laboratory on 01/27/23 11:35.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 14 2' (H230407-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2023	ND	1.97	98.4	2.00	13.6	
Toluene*	<0.050	0.050	01/30/2023	ND	2.06	103	2.00	11.9	
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.02	101	2.00	12.8	
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.22	104	6.00	12.1	
Total BTEX	<0.300	0.300	01/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/30/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2023	ND	210	105	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	223	111	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 21 2.5' (H230407-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2023	ND	1.97	98.4	2.00	13.6	
Toluene*	<0.050	0.050	01/30/2023	ND	2.06	103	2.00	11.9	
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.02	101	2.00	12.8	
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.22	104	6.00	12.1	
Total BTEX	<0.300	0.300	01/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/30/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2023	ND	210	105	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	223	111	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 80.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 23 2.5' (H230407-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2023	ND	1.97	98.4	2.00	13.6	
Toluene*	<0.050	0.050	01/30/2023	ND	2.06	103	2.00	11.9	
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.02	101	2.00	12.8	
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.22	104	6.00	12.1	
Total BTEX	<0.300	0.300	01/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/30/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2023	ND	210	105	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	223	111	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 24 2.5' (H230407-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2023	ND	1.97	98.4	2.00	13.6	
Toluene*	<0.050	0.050	01/30/2023	ND	2.06	103	2.00	11.9	
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.02	101	2.00	12.8	
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.22	104	6.00	12.1	
Total BTEX	<0.300	0.300	01/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/30/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2023	ND	210	105	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	223	111	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 27 3' (H230407-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2023	ND	1.97	98.4	2.00	13.6	
Toluene*	<0.050	0.050	01/30/2023	ND	2.06	103	2.00	11.9	
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.02	101	2.00	12.8	
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.22	104	6.00	12.1	
Total BTEX	<0.300	0.300	01/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/30/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2023	ND	210	105	200	3.14	
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	223	111	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 34 2' (H230407-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2023	ND	1.97	98.4	2.00	13.6		
Toluene*	<0.050	0.050	01/30/2023	ND	2.06	103	2.00	11.9		
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.02	101	2.00	12.8		
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.22	104	6.00	12.1		
Total BTEX	<0.300	0.300	01/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/30/2023	ND	210	105	200	3.14		
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	223	111	200	3.38		
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND						

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 41 3' (H230407-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2023	ND	1.97	98.4	2.00	13.6		
Toluene*	<0.050	0.050	01/30/2023	ND	2.06	103	2.00	11.9		
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.02	101	2.00	12.8		
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.22	104	6.00	12.1		
Total BTEX	<0.300	0.300	01/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	01/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/30/2023	ND	217	109	200	0.114		
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	213	107	200	3.30		
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND						

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 42 3' (H230407-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2023	ND	1.97	98.4	2.00	13.6		
Toluene*	<0.050	0.050	01/30/2023	ND	2.06	103	2.00	11.9		
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.02	101	2.00	12.8		
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.22	104	6.00	12.1		
Total BTEX	<0.300	0.300	01/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	01/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/30/2023	ND	217	109	200	0.114		
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	213	107	200	3.30		
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND						

Surrogate: 1-Chlorooctane 85.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 43 3.5' (H230407-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/30/2023	ND	1.97	98.4	2.00	13.6		
Toluene*	<0.050	0.050	01/30/2023	ND	2.06	103	2.00	11.9		
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.02	101	2.00	12.8		
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.22	104	6.00	12.1		
Total BTEX	<0.300	0.300	01/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/30/2023	ND	217	109	200	0.114		
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	213	107	200	3.30		
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND						

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 46 3' (H230407-10)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2023	ND	1.97	98.4	2.00	13.6	
Toluene*	<0.050	0.050	01/30/2023	ND	2.06	103	2.00	11.9	
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.02	101	2.00	12.8	
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.22	104	6.00	12.1	
Total BTEX	<0.300	0.300	01/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/30/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2023	ND	217	109	200	0.114	
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	213	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 77.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Company Name: <b>RX Soil</b> Project Manager: <b>Maurice Mickie</b> Address: <b>105 W New St.</b> City: <b>Deer</b> State: <b>NM</b> Zip: <b>76231</b> Phone #: _____ Fax #: _____ Project #: _____ Project Owner: <b>Shirley Mickie</b> Project Name: <b>Edna rd</b> Project Location: <b>Arbosh, NM</b>		<b>BILL TO</b> P.O. #: _____ Company: <b>Arbosh</b> Attn: <b>Levy Baker</b> Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
Sampler Name: <b>Kelly</b> FOR LAB USE ONLY		MATRIX <input type="checkbox"/> GROUNDWATER <input type="checkbox"/> WASTEWATER <input checked="" type="checkbox"/> SOIL <input type="checkbox"/> OIL <input type="checkbox"/> SLUDGE OTHER: _____ ACID/BASE: _____ ICE / COOL: _____ OTHER: _____	
Lab I.D. _____ Sample I.D. _____ H236407		PRESERV: _____ DATE: <b>1-26-23</b> TIME: _____	
(G)RAB OR (C)OMP. _____ # CONTAINERS _____ GROUNDWATER _____ WASTEWATER _____ SOIL <b>X</b> OIL _____ SLUDGE _____ OTHER: _____ ACID/BASE: _____ ICE / COOL: _____ OTHER: _____		SAMPLING DATE: _____ TIME: _____	
1 B14 2' _____ 2 B21 2.5' _____ 3 B23 2.5' _____ 4 B24 2.5' _____ 5 B27 3' _____ 6 B34 2' _____ 7 B41 3' _____ 8 B42 3' _____ 9 B43 3.5' _____ 10 B46 3' _____		ANALYSIS REQUEST Chloride <b>X</b> BTEX <b>X</b> TPH <b>X</b>	
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Relinquished By: _____ Date: <b>1-27-23</b> Time: <b>11:35</b>		Received By: _____ Date: _____ Time: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____		Observed Temp. °C: <b>9.3</b> Corrected Temp. °C: <b>9.9</b>	
Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Checked BY: _____ (Initials)		Turnaround Time: _____ Standard <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C: _____ Corrected Temp. °C: _____	
REMARKS: _____ Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: _____ All Results are emailed. Please provide Email address: _____			

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



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January 31, 2023

MAVERICK MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: EAU M9

Enclosed are the results of analyses for samples received by the laboratory on 01/27/23 11:35.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: G 3 (H230408-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2023	ND	1.97	98.4	2.00	13.6	
Toluene*	<0.050	0.050	01/30/2023	ND	2.06	103	2.00	11.9	
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.02	101	2.00	12.8	
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.22	104	6.00	12.1	
Total BTEX	<0.300	0.300	01/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/30/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2023	ND	217	109	200	0.114	
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	213	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: H 2 (H230408-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2023	ND	1.88	94.2	2.00	1.03	
Toluene*	<0.050	0.050	01/30/2023	ND	2.10	105	2.00	1.87	
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.07	104	2.00	2.10	
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.40	107	6.00	2.60	
Total BTEX	<0.300	0.300	01/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	01/30/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2023	ND	217	109	200	0.114	
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	213	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: H 3 (H230408-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2023	ND	1.88	94.2	2.00	1.03	
Toluene*	<0.050	0.050	01/30/2023	ND	2.10	105	2.00	1.87	
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.07	104	2.00	2.10	
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.40	107	6.00	2.60	
Total BTEX	<0.300	0.300	01/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>336</b>	16.0	01/30/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2023	ND	217	109	200	0.114	
<b>DRO &gt;C10-C28*</b>	<b>11.7</b>	10.0	01/30/2023	ND	213	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: I 3 (H230408-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2023	ND	1.88	94.2	2.00	1.03	
Toluene*	<0.050	0.050	01/30/2023	ND	2.10	105	2.00	1.87	
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.07	104	2.00	2.10	
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.40	107	6.00	2.60	
Total BTEX	<0.300	0.300	01/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

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	01/30/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2023	ND	217	109	200	0.114	
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	213	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: I 4 (H230408-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2023	ND	1.88	94.2	2.00	1.03	
Toluene*	<0.050	0.050	01/30/2023	ND	2.10	105	2.00	1.87	
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.07	104	2.00	2.10	
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.40	107	6.00	2.60	
Total BTEX	<0.300	0.300	01/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

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	01/30/2023	ND	432	108	400	3.77	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/30/2023	ND	217	109	200	0.114	
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	213	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: J 1 (H230408-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2023	ND	1.88	94.2	2.00	1.03	
Toluene*	<0.050	0.050	01/30/2023	ND	2.10	105	2.00	1.87	
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.07	104	2.00	2.10	
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.40	107	6.00	2.60	
Total BTEX	<0.300	0.300	01/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	01/30/2023	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	01/30/2023	ND	217	109	200	0.114	
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	213	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: J 2 (H230408-07)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2023	ND	1.88	94.2	2.00	1.03	
Toluene*	<0.050	0.050	01/30/2023	ND	2.10	105	2.00	1.87	
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.07	104	2.00	2.10	
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.40	107	6.00	2.60	
Total BTEX	<0.300	0.300	01/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	01/30/2023	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	01/30/2023	ND	217	109	200	0.114	
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	213	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: K 3 (H230408-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2023	ND	1.88	94.2	2.00	1.03	
Toluene*	<0.050	0.050	01/30/2023	ND	2.10	105	2.00	1.87	
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.07	104	2.00	2.10	
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.40	107	6.00	2.60	
Total BTEX	<0.300	0.300	01/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	01/30/2023	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	01/30/2023	ND	217	109	200	0.114	
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	213	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: K 4 (H230408-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2023	ND	1.88	94.2	2.00	1.03	
Toluene*	<0.050	0.050	01/30/2023	ND	2.10	105	2.00	1.87	
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.07	104	2.00	2.10	
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.40	107	6.00	2.60	
Total BTEX	<0.300	0.300	01/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

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	01/30/2023	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	01/30/2023	ND	217	109	200	0.114	
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	213	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: L 1 (H230408-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2023	ND	1.88	94.2	2.00	1.03	
Toluene*	<0.050	0.050	01/30/2023	ND	2.10	105	2.00	1.87	
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.07	104	2.00	2.10	
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.40	107	6.00	2.60	
Total BTEX	<0.300	0.300	01/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	01/30/2023	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	01/30/2023	ND	217	109	200	0.114	
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	213	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: L 2 (H230408-11)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2023	ND	1.88	94.2	2.00	1.03	
Toluene*	<0.050	0.050	01/30/2023	ND	2.10	105	2.00	1.87	
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.07	104	2.00	2.10	
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.40	107	6.00	2.60	
Total BTEX	<0.300	0.300	01/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	01/30/2023	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	01/30/2023	ND	217	109	200	0.114	
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	213	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/26/2023
Reported:	01/31/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: L 3 (H230408-12)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/30/2023	ND	1.88	94.2	2.00	1.03	
Toluene*	<0.050	0.050	01/30/2023	ND	2.10	105	2.00	1.87	
Ethylbenzene*	<0.050	0.050	01/30/2023	ND	2.07	104	2.00	2.10	
Total Xylenes*	<0.150	0.150	01/30/2023	ND	6.40	107	6.00	2.60	
Total BTEX	<0.300	0.300	01/30/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	01/30/2023	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	01/30/2023	ND	217	109	200	0.114	
DRO >C10-C28*	<10.0	10.0	01/30/2023	ND	213	107	200	3.30	
EXT DRO >C28-C36	<10.0	10.0	01/30/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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\*=Accredited Analyte

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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

# CARDINAL LABORATORIES

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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: **RX 50:1**

Project Manager: **Maurick Mick**

Address: **105 W Main St.**

City: **Decatur**

State: **TX** Zip: **76234**

Phone #:

Fax #:

Project #:

Project Owner: **Stan Mickle**

Client Name: **ERU M9**

Client Location: **Archie, NM**

Client Name: **Kelly Kimble**

LAB USE ONLY

### BILL TO

P.O. #:

Company: **Agade Corp**

Attn: **Larry Baker**

Address:

City:

State:

Phone #:

Fax #:

### ANALYSIS REQUEST

Sample I.D.	Matrix	PRESERV	SAMPLING	DATE	TIME	ANALYSIS REQUEST	
						Chloride	BTEX
230408	(G)RAB OR (C)OMP.					X	X
1	# CONTAINERS			1-26-25			
2	GROUNDWATER						
3	WASTEWATER						
4	SOIL						
5	OIL						
6	SLUDGE						
7	OTHER:						
8	ACID/BASE:						
9	ICE / COOL						
10	OTHER:						
11							
12							
13							
14							
15							
16							
17							
18							
19							
20							

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Received By: **[Signature]** Date: **1-27-25** Time: **1:35**

Observed Temp. °C: **-9.8** Corrected Temp. °C: **-9.9**

Sample Condition:  Intact  Cool  Yes  No

Checked By: **[Signature]** Initials: **[Signature]**

Remarks: **Email to: RX Group Larry Baker Laser Roda**



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: **RX Seal**  
 P.O. #: \_\_\_\_\_  
 Company: **Alaska Loop**  
 Attn: **Larry Baker**  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_  
 State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Project Owner: **Shen Madala**  
 State: **TX** Zip: **76294**  
 Fax #: \_\_\_\_\_  
 Project Name: **San M9**  
 Project Location: **Adkins, NM**  
 Sampler Name: **Kelly**  
 Phone #: \_\_\_\_\_  
 Fax #: \_\_\_\_\_

Lab Use Only	Sample I.D.	Thermometer #	Date	Time	Matrix	Preserv	Sampling	Analysis	
								Chloride	BTEX
	1230408		1-26-23					X	X
	11 L2		1-26-23					X	X
	12 L3		1-26-23					X	X

Client Name: \_\_\_\_\_  
 Client Address: \_\_\_\_\_  
 Client City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Client Phone: \_\_\_\_\_  
 Client Fax: \_\_\_\_\_  
 Client Email: \_\_\_\_\_  
 Client Project Name: \_\_\_\_\_  
 Client Project Location: \_\_\_\_\_  
 Client Sampler Name: \_\_\_\_\_  
 Client Phone: \_\_\_\_\_  
 Client Fax: \_\_\_\_\_

Observed Temp. °C: **9.3**  
 Corrected Temp. °C: **9.9**  
 Sample Condition:  Cool  Intact  
 Checked By: **AP**  
 Turnaround Time: \_\_\_\_\_  
 Standard:     
 Bacteria (only):     
 Cool Intact:     
 Observed Temp. °C: \_\_\_\_\_  
 Corrected Temp. °C: \_\_\_\_\_



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February 01, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: EAU M9

Enclosed are the results of analyses for samples received by the laboratory on 01/27/23 16:43.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/01/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: G 1 (H230421-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.89	94.7	2.00	5.38	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	5.96	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.13	106	2.00	6.21	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.60	110	6.00	6.78	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	01/31/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/01/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: I 1 (H230421-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	2.01	100	2.00	3.88	
Toluene*	<0.050	0.050	02/01/2023	ND	2.08	104	2.00	3.72	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.09	105	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.28	105	6.00	3.53	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	01/31/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/01/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: J 3 (H230421-03)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	2.01	100	2.00	3.88	
Toluene*	<0.050	0.050	02/01/2023	ND	2.08	104	2.00	3.72	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.09	105	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.28	105	6.00	3.53	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	01/31/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/01/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: L4 (H230421-04)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	2.01	100	2.00	3.88	
Toluene*	<0.050	0.050	02/01/2023	ND	2.08	104	2.00	3.72	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.09	105	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.28	105	6.00	3.53	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/31/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/01/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: W 1 (H230421-05)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	2.01	100	2.00	3.88	
Toluene*	<0.050	0.050	02/01/2023	ND	2.08	104	2.00	3.72	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.09	105	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.28	105	6.00	3.53	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/31/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/01/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: W 2 (H230421-06)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	2.01	100	2.00	3.88	
Toluene*	<0.050	0.050	02/01/2023	ND	2.08	104	2.00	3.72	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.09	105	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.28	105	6.00	3.53	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/31/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/01/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: W 6 (H230421-07)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	2.01	100	2.00	3.88	
Toluene*	<0.050	0.050	02/01/2023	ND	2.08	104	2.00	3.72	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.09	105	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.28	105	6.00	3.53	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/31/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/01/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: W 9 (H230421-08)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	2.01	100	2.00	3.88	
Toluene*	<0.050	0.050	02/01/2023	ND	2.08	104	2.00	3.72	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.09	105	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.28	105	6.00	3.53	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/31/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/01/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: W 20 (H230421-09)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	2.01	100	2.00	3.88	
Toluene*	<0.050	0.050	02/01/2023	ND	2.08	104	2.00	3.72	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.09	105	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.28	105	6.00	3.53	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	01/31/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/01/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: W 22 (H230421-10)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	2.01	100	2.00	3.88	
Toluene*	<0.050	0.050	02/01/2023	ND	2.08	104	2.00	3.72	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.09	105	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.28	105	6.00	3.53	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/31/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/27/2023	Sampling Date:	01/27/2023
Reported:	02/01/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: W 24 (H230421-11)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	2.01	100	2.00	3.88	
Toluene*	<0.050	0.050	02/01/2023	ND	2.08	104	2.00	3.72	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.09	105	2.00	4.38	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.28	105	6.00	3.53	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/31/2023	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	188	93.8	200	4.06	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	170	84.8	200	2.35	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 75.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.7 % 49.1-148

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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: **RX Soil**  
 Project Manager: **Stan Mickie**  
 Address: **105 W Main St.**  
 City: **Decatur** State: **TX** zip: **76234**  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: **Apache**  
 Project Name: **EAV M9**  
 Project Location: **Artesia, NM**  
 Sampler Name: **Tristan Turley**

P.O. #: \_\_\_\_\_  
 Company: **Apache Corp**  
 Attn: **Larry Baker**  
 Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :			
H230421	G1	C	1			X			1/27	2:52	Chlorides	
	I1	C	1			X			1/27	2:52	TPH	
	J3	C	1			X			1/27	2:52	B-TEX	
	L4	C	1			X			1/27	2:52		
	W1	C	1			X			1/27	3:06		
	W2	C	1			X			1/27	3:06		
	W6	C	1			X			1/27	3:06		
	W9	C	1			X			1/27	3:06		
	W20	C	1			X			1/27	3:06		
	W22	C	1			X			1/27	3:06		

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Relinquished By: *Tristan Turley* Date: *1/27/23* Time: *16:43*  
 Received By: *[Signature]* Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Verbal Result:  Yes  No  Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_

Relinquished By: *Tristan Turley* Date: *1/27/23* Time: *16:43*  
 Received By: *[Signature]* Date: \_\_\_\_\_ Time: \_\_\_\_\_  
 Turnaround Time: \_\_\_\_\_ Standard   Add'l Phone #: \_\_\_\_\_  
 Bacteria (only) Sample Condition    
 Cool Intact    
 Observed Temp. °C *29* Corrected Temp. °C *23*  
 Thermometer ID #113 Correction Factor -0.5°C  
 Observed Temp. °C *29* Corrected Temp. °C *23*  
 Checked By: *[Signature]* (Initials) *VT*



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: **RX Soil**

Project Manager: **Stan Mickle**

Address: **105 W Main St.**

City: **Decatur**

Phone #:

Project #: Project Owner: **Apache**

Project Name: **EAL M9**

Project Location: **Artesia, NM**

Sampler Name: **Trishan Turley**

FOR LAB USE ONLY

P.O. #:

Company: **Apache Corp**

Attn: **Larry Baker**

Address:

City: State: Zip:

Phone #:

Fax #:

Lab I.D. **H230421**  
 Sample I.D. **W24**

<input checked="" type="checkbox"/> (G)RAB OR (C)OMP.	<input type="checkbox"/> # CONTAINERS	<input type="checkbox"/> GROUNDWATER	<input type="checkbox"/> WASTEWATER	<input checked="" type="checkbox"/> SOIL	<input type="checkbox"/> OIL	<input type="checkbox"/> SLUDGE	<input type="checkbox"/> OTHER :	<input checked="" type="checkbox"/> ACID/BASE:	<input checked="" type="checkbox"/> ICE / COOL	<input type="checkbox"/> OTHER :	DATE	TIME
	<b>1</b>										<b>1/27</b>	<b>3:08</b>

Chlorides  
 TPH  
 B-Tex

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Relinquished By: *Trishan Turley*

Date: **1/27/23**

Received By: *Larry Baker*

Verbal Result:  Yes  No  Add'l Phone #:

All Results are emailed. Please provide Email address:

Relinquished By: *Trishan Turley*

Date: **1/27/23**

Received By: *Larry Baker*

REMARKS:

Delivered By: (Circle One)  UPS  Bus  Other:

Observed Temp. °C: **29** Sample Condition:  Cool  Intact  Yes  No

Corrected Temp. °C: **29.3** CHECKED BY: *VT* (Initials)

Turnaround Time: \_\_\_\_\_ Standard  Bacteria (only)  Cool Intact  Yes  No

Thermometer ID #113 Corrected Temp. °C: \_\_\_\_\_

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



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February 02, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: EAU M9

Enclosed are the results of analyses for samples received by the laboratory on 01/30/23 13:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	01/30/2023	Sampling Date:	01/30/2023
Reported:	02/02/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 13 (H230426-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/01/2023	ND	1.91	95.4	2.00	2.99		
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	2.97		
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.12	106	2.00	2.36		
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.52	109	6.00	1.23		
Total BTEX	<0.300	0.300	02/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>144</b>	16.0	01/31/2023	ND	400	100	400	3.92		

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	01/31/2023	ND	192	96.2	200	4.67		
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	186	93.2	200	7.11		
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND						

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/30/2023	Sampling Date:	01/30/2023
Reported:	02/02/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 15 (H230426-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.91	95.4	2.00	2.99	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	2.97	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.12	106	2.00	2.36	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.52	109	6.00	1.23	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/31/2023	ND	400	100	400	3.92	

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	01/31/2023	ND	192	96.2	200	4.67	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	186	93.2	200	7.11	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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**Analytical Results For:**

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

Received:	01/30/2023	Sampling Date:	01/30/2023
Reported:	02/02/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 16 (H230426-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.91	95.4	2.00	2.99	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	2.97	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.12	106	2.00	2.36	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.52	109	6.00	1.23	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

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	01/31/2023	ND	400	100	400	3.92	

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	01/31/2023	ND	192	96.2	200	4.67	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	186	93.2	200	7.11	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/30/2023	Sampling Date:	01/30/2023
Reported:	02/02/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 11 (H230426-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.91	95.4	2.00	2.99	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	2.97	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.12	106	2.00	2.36	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.52	109	6.00	1.23	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/31/2023	ND	400	100	400	3.92	

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	01/31/2023	ND	192	96.2	200	4.67	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	186	93.2	200	7.11	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/30/2023	Sampling Date:	01/30/2023
Reported:	02/02/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 19 (H230426-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.91	95.4	2.00	2.99	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	2.97	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.12	106	2.00	2.36	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.52	109	6.00	1.23	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/31/2023	ND	400	100	400	3.92	

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	01/31/2023	ND	192	96.2	200	4.67	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	186	93.2	200	7.11	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/30/2023	Sampling Date:	01/30/2023
Reported:	02/02/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 26 (H230426-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.91	95.4	2.00	2.99	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	2.97	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.12	106	2.00	2.36	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.52	109	6.00	1.23	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/31/2023	ND	400	100	400	3.92	

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	01/31/2023	ND	177	88.6	200	7.29	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	174	87.0	200	8.29	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 74.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/30/2023	Sampling Date:	01/30/2023
Reported:	02/02/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 34 (H230426-07)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.91	95.4	2.00	2.99	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	2.97	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.12	106	2.00	2.36	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.52	109	6.00	1.23	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/31/2023	ND	400	100	400	3.92	

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	01/31/2023	ND	177	88.6	200	7.29	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	174	87.0	200	8.29	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/30/2023	Sampling Date:	01/30/2023
Reported:	02/02/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 45 (H230426-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.91	95.4	2.00	2.99	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	2.97	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.12	106	2.00	2.36	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.52	109	6.00	1.23	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/31/2023	ND	400	100	400	3.92	

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	01/31/2023	ND	177	88.6	200	7.29	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	174	87.0	200	8.29	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/30/2023	Sampling Date:	01/30/2023
Reported:	02/02/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 50 (H230426-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.91	95.4	2.00	2.99	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	2.97	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.12	106	2.00	2.36	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.52	109	6.00	1.23	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

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	01/31/2023	ND	400	100	400	3.92	

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	01/31/2023	ND	177	88.6	200	7.29	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	174	87.0	200	8.29	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/30/2023	Sampling Date:	01/30/2023
Reported:	02/02/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: B 7 (H230426-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.91	95.4	2.00	2.99	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	2.97	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.12	106	2.00	2.36	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.52	109	6.00	1.23	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

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	01/31/2023	ND	400	100	400	3.92	

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	01/31/2023	ND	177	88.6	200	7.29	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	174	87.0	200	8.29	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager





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February 02, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: EAU M9

Enclosed are the results of analyses for samples received by the laboratory on 01/30/23 13:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	01/30/2023	Sampling Date:	01/30/2023
Reported:	02/02/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: G 2 (H230427-01)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/01/2023	ND	1.91	95.4	2.00	2.99		
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	2.97		
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.12	106	2.00	2.36		
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.52	109	6.00	1.23		
Total BTEX	<0.300	0.300	02/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	01/31/2023	ND	400	100	400	3.92		

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	01/31/2023	ND	177	88.6	200	7.29		
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	174	87.0	200	8.29		
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND						

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/30/2023	Sampling Date:	01/30/2023
Reported:	02/02/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: G 4 (H230427-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.91	95.4	2.00	2.99	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	2.97	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.12	106	2.00	2.36	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.52	109	6.00	1.23	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	01/31/2023	ND	400	100	400	3.92	

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	01/31/2023	ND	177	88.6	200	7.29	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	174	87.0	200	8.29	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 69.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/30/2023	Sampling Date:	01/30/2023
Reported:	02/02/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: H 1 (H230427-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.91	95.4	2.00	2.99	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	2.97	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.12	106	2.00	2.36	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.52	109	6.00	1.23	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

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	01/31/2023	ND	400	100	400	3.92	

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	01/31/2023	ND	177	88.6	200	7.29	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	174	87.0	200	8.29	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/30/2023	Sampling Date:	01/30/2023
Reported:	02/02/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: H 4 (H230427-04)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.91	95.4	2.00	2.99	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	2.97	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.12	106	2.00	2.36	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.52	109	6.00	1.23	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>288</b>	16.0	01/31/2023	ND	400	100	400	3.92	

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	01/31/2023	ND	177	88.6	200	7.29	
<b>DRO &gt;C10-C28*</b>	<b>12.4</b>	10.0	01/31/2023	ND	174	87.0	200	8.29	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 73.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/30/2023	Sampling Date:	01/30/2023
Reported:	02/02/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: I 2 (H230427-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2023	ND	1.91	95.4	2.00	2.99	
Toluene*	<0.050	0.050	02/01/2023	ND	2.14	107	2.00	2.97	
Ethylbenzene*	<0.050	0.050	02/01/2023	ND	2.12	106	2.00	2.36	
Total Xylenes*	<0.150	0.150	02/01/2023	ND	6.52	109	6.00	1.23	
Total BTEX	<0.300	0.300	02/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	784	16.0	01/31/2023	ND	400	100	400	3.92	

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	01/31/2023	ND	177	88.6	200	7.29	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	174	87.0	200	8.29	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

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

Received:	01/30/2023	Sampling Date:	01/30/2023
Reported:	02/02/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: J 4 (H230427-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.95	97.4	2.00	2.62	
Toluene*	<0.050	0.050	01/31/2023	ND	2.16	108	2.00	2.17	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.16	108	2.00	1.95	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.64	111	6.00	0.893	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	01/31/2023	ND	416	104	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	177	88.6	200	7.29	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	174	87.0	200	8.29	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/30/2023	Sampling Date:	01/30/2023
Reported:	02/02/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: K 1 (H230427-07)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.95	97.4	2.00	2.62	
Toluene*	<0.050	0.050	01/31/2023	ND	2.16	108	2.00	2.17	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.16	108	2.00	1.95	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.64	111	6.00	0.893	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	01/31/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	177	88.6	200	7.29	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	174	87.0	200	8.29	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 80.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	01/30/2023	Sampling Date:	01/30/2023
Reported:	02/02/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: K 2 (H230427-08)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2023	ND	1.95	97.4	2.00	2.62	
Toluene*	<0.050	0.050	01/31/2023	ND	2.16	108	2.00	2.17	
Ethylbenzene*	<0.050	0.050	01/31/2023	ND	2.16	108	2.00	1.95	
Total Xylenes*	<0.150	0.150	01/31/2023	ND	6.64	111	6.00	0.893	
Total BTEX	<0.300	0.300	01/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/31/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2023	ND	177	88.6	200	7.29	
DRO >C10-C28*	<10.0	10.0	01/31/2023	ND	174	87.0	200	8.29	
EXT DRO >C28-C36	<10.0	10.0	01/31/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: ~~XXXXXXXXXX~~ RX Soil  
Project Manager: Stan Mickle  
Address: 105 W Main St.  
City: Decatur State: TX zip: 76234  
Phone #: Fax #: Project Owner:  
Project #: Project Name: EAU M9  
Project Location: Artesia, NM  
Sampler Name: Tistan Turley  
FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.		DATE	TIME	ANALYSIS REQUEST
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL			
H330437	G2	C	1			X					1/30		X	Chlorides
1	G4												X	TPH
2	H1												X	B Tex
3	H4													
4	I2													
5	J4													
6	K1													
7	K2													
8														

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Relinquished By: [Signature] Date: 1/30  
Received By: [Signature] Date: 1/30  
Time: 1:55  
Time: [Blank]

Delivered By: (Circle One) Observed Temp. °C: 2.0°C  
Sampler - UPS - Bus - Other: Corrected Temp. °C: 2.0°C

Sample Condition: Cool Intact  Yes  No  
Checked By: [Signature]

Turnaround Time: Standard  Bacteria (only)   
Thermometer ID #113 Cool Intact  Yes  No  
Correction Factor: -0.0°C  Yes  No  
Sample Condition: Observed Temp. °C: [Blank]  
Corrected Temp. °C: [Blank]

REMARKS: Verbal Result:  Yes  No Add'l Phone #: [Blank]  
All Results are emailed. Please provide Email address: [Blank]  
[Signature] Next! added 1/31/23

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



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

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February 03, 2023

STAN MICKLE

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: EAU M9

Enclosed are the results of analyses for samples received by the laboratory on 02/02/23 13:10.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	02/02/2023	Sampling Date:	02/02/2023
Reported:	02/03/2023	Sampling Type:	Soil
Project Name:	EAU M9	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	APACHE - ARTESIA, NM		

**Sample ID: I 2 (H230469-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>288</b>	16.0	02/03/2023	ND	400	100	400	3.92	

**Sample ID: K 1 (H230469-02)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	02/03/2023	ND	400	100	400	3.92	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Notes and Definitions**

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

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

P.O. #:  
 Company: Apache Corp  
 Attn: Larry Baker

Address:

City:

State: Zip:

Phone #:

Fax #:

Company Name: RX Soil  
 Project Manager: Stan Mickle  
 Address: 105 W Main St.  
 City: Decatur State: TX Zip: 76234  
 Phone #: Project Owner: Apache  
 Project #: Project Name: EAU M9  
 Project Location: Artesia, NM  
 Sampler Name: Tristen Turley

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	ANALYSIS
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :					
H230469	I2	C	1			X				✓	2/2	11:34	X	Chlorides
	K1	C	1			X				✓	2/2	11:34	X	

**PLEASE NOTE:** Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors herein and/or related to this performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: [Signature]  
 Date: 5-2-23  
 Time: 1310

Received By: [Signature]  
 Date: [Blank]  
 Time: [Blank]

Relinquished By: [Signature]

Received By: [Signature]

Delivered By: (Circle One)

Observed Temp. °C: 3.0  
 Corrected Temp. °C: 2.4

Sampler - UPS - Bus - Other:

Sample Condition: Cool Intact  
 Yes  No

Turnaround Time: Standard Rush  
 Standard  Rush

Checked By: [Signature]

Thermometer ID #113  
 Correction Factor -0.5°C

Bacteria (only) Sample Condition: Cool Intact  
 Yes  No

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



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

---

March 10, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: EAU M9 EMULSION TRUNK LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/08/23 8:20.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2023	Sampling Date:	03/06/2023
Reported:	03/10/2023	Sampling Type:	Soil
Project Name:	EAU M9 EMULSION TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: B 51 @ 5' (H231034-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2023	ND	1.95	97.7	2.00	1.62	
Toluene*	<0.050	0.050	03/09/2023	ND	1.99	99.5	2.00	0.904	
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	0.784	
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	1.81	
Total BTEX	<0.300	0.300	03/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	03/09/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/10/2023	ND	191	95.3	200	4.30	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	188	93.9	200	5.23	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/08/2023	Sampling Date:	03/06/2023
Reported:	03/10/2023	Sampling Type:	Soil
Project Name:	EAU M9 EMULSION TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: B 52 @ 5' (H231034-02)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2023	ND	1.95	97.7	2.00	1.62	
Toluene*	<0.050	0.050	03/09/2023	ND	1.99	99.5	2.00	0.904	
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	0.784	
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	1.81	
Total BTEX	<0.300	0.300	03/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	03/09/2023	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2023	ND	191	95.3	200	4.30	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	188	93.9	200	5.23	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 95.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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\* = Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: Appeche  
 Project Manager: B. Baker  
 Address: \_\_\_\_\_  
 City: Hobbs State: NM Zip: 88240  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_  
 Project #: \_\_\_\_\_ Project Owner: \_\_\_\_\_  
 Project Name: \_\_\_\_\_  
 Project Location: SAU M9 Emulsion Trunk Line  
 Sampler Name: Sose Quasada  
 P.O. #: \_\_\_\_\_ Company: \_\_\_\_\_  
 Attn: \_\_\_\_\_ Address: \_\_\_\_\_  
 City: \_\_\_\_\_ State: \_\_\_\_\_ Zip: \_\_\_\_\_  
 Phone #: \_\_\_\_\_ Fax #: \_\_\_\_\_

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.		MATRIX							PRESERV.			SAMPLING		DATE	TIME	CI	BTEX	EXT TPH
		# CONTAINERS		GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :								
<u>H231034</u>	<u>B5105'</u>	<u>1</u>	<u>C</u>													<u>3/6</u>	<u>2:48</u>	<u>1</u>	<u>1</u>	<u>1</u>
	<u>2 B5205'</u>	<u>2</u>	<u>C</u>														<u>2:50</u>	<u>1</u>	<u>1</u>	<u>1</u>

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Relinquished By: Sose Quasada  
 Date: 3/6/23  
 Time: \_\_\_\_\_

Received By: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Time: \_\_\_\_\_

Remarks: 5-Well Results  
 Verbal Result:  Yes  No  Add'l Phone #: \_\_\_\_\_  
 All Results are emailed. Please provide Email address: \_\_\_\_\_

Delivered By: (Circle One) \_\_\_\_\_  
 Sampler - UPS - Bus - Other: \_\_\_\_\_  
 Observed Temp. °C: \_\_\_\_\_ Corrected Temp. °C: \_\_\_\_\_  
 Sample Condition:  Cool  Intact  Yes  No  Yes  No  
 CHECKED BY: \_\_\_\_\_ (Initials)  
 Turnaround Time: \_\_\_\_\_  
 Thermometer ID #113  
 Correction Factor -0.6°C  
 Standard     
 Bacteria (only)     
 Cool Intact     
 Sample Condition     
 Observed Temp. °C \_\_\_\_\_  
 Corrected Temp. °C \_\_\_\_\_

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



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

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March 30, 2023

BRUCE BAKER

APACHE CORP - HOBBS

2350 W. MARLAND BLVD.

HOBBS, NM 88240

RE: EAU M9 EMULSION TRUNK LINE

Enclosed are the results of analyses for samples received by the laboratory on 03/29/23 16:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/29/2023	Sampling Date:	03/29/2023
Reported:	03/30/2023	Sampling Type:	Soil
Project Name:	EAU M9 EMULSION TRUNK LINE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	NOT GIVEN		

**Sample ID: B 51 @ 6' (H231452-01)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>560</b>	16.0	03/30/2023	ND	416	104	400	3.77	

**Sample ID: B 52 @ 6' (H231452-02)**

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>288</b>	16.0	03/30/2023	ND	416	104	400	3.77	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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**Notes and Definitions**

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

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

**BILL TO**

**ANALYSIS REQUEST**

Company Name: <u>Apache</u>		P.O. #:		
Project Manager: <u>B. Becker</u>		Company:		
Address:		Attn:		
City: <u>Hobbs</u>		Address:		
State: <u>NM</u> Zip: <u>88240</u>		City:		
Phone #:		State:	Zip:	
Project #:		Project Owner:		
Project Name:		Phone #:		
Project Location: <u>SAU M-S Smalls on Tank Line</u>		Fax #:		
Sampler Name: <u>Sose Quezada</u>		MATRIX	PRESERV	SAMPLING
FOR LAB USE ONLY		GROUNDWATER		
Lab I.D.		WASTEWATER		
Sample I.D.		SOIL		
<u>H231452</u>		OIL		
<u>1 BStelle'</u>		SLUDGE		
<u>2 BStelle'</u>		OTHER :		
		ACID/BASE:		
		ICE / COOL		
		OTHER :		
		DATE	TIME	
		<u>3/25</u>	<u>11:36</u>	<u>C</u>
		<u>3/25</u>	<u>11:32</u>	<u>1</u>

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Relinquished By: Sose Quezada Date: 3/25/23 Received By: Juanita Chavez Time: 4:50 pm

Delivered By: (Circle One) Observed Temp. °C 3.3 Sample Condition Cool Intact  Yes  No  
 Corrected Temp. °C 2.7  Yes  No

Turnaround Time: 2-3 Standard Results  Add'l Phone #: RU5H  
 Thermometer ID #113 Bacteria (only) Sample Condition Cool Intact  Yes  No  
 Correction Factor -0.5°C  Yes  No Corrected Temp. °C

Remarks: 2-3

Verbal Results:  Yes  No All Results are emailed. Please provide Email address: \_\_\_\_\_

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

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 217435

**CONDITIONS**

Operator: APACHE CORPORATION 303 Veterans Airpark Ln Midland, TX 79705	OGRID: 873
	Action Number: 217435
	Action Type: [C-141] Release Corrective Action (C-141)

**CONDITIONS**

Created By	Condition	Condition Date
scwells	None	10/17/2023