

March 15, 2021

NMOCD District 2

811 S. First St

Artesia, NM 88210

Re: Closure Request

Apache Corporation - Empire Abo Unit K-14

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

Sincerely,

Jace Caraway

**Chief Operating Officer** 

RXSoil, Inc.

(940) 210-2051

Zach Robbins

**Technical and Engineering Analyst** 

RXSoil, Inc.

(210) 400-7645

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## I. Introduction

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

The release occurred on 5/31/2019 in Unit Letter K, Section 02, Township 18S, Range 27E (see *Figure 1* for Vicinity Map) at approximate coordinates 32.77505, -104.25316. It was reported that six (6) barrels of crude oil and 11 barrels of produced water were released, and two (2) barrels of crude oil and three (3) barrels of produced water were recovered during the initial response.

# II. Site Assessment/Characterization

- 1. **Site Map** See *Figure 2*
- 2. Depth to ground water USGS 324603104155001 is the nearest water well (listed in Appendix B) and has a reported depth to water of 32', recorded in January of 1999. This well is approximately 0.79 miles from the spill area. Remediation standards will follow the strictest thresholds stated in Table I, ≤50 feet.
- 3. **Wellhead protection area** There are no known water sources within a half mile of the release (see *Figure 3*).
- 4. **Distance to nearest significant watercourse** The nearest water way per the New Mexico OCD Oil and Gas Map GIS Service, Scoggin Draw, is approximately 530' away from the release area at its closest point (see *Figure 3*). This is a draw connecting to the Pecos River approximately 28,000' downstream.
- 5. **Soil/waste characteristics** Delineation occurred throughout excavation. Sample points are shown in *Figure 3* with results summarized in *Appendix C*. Lab data is displayed in *Appendix* D. Horizontal excavation included 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). Some of the deeper walls required multiple depths of sidewall samples, with sample names designating this with a "D" for deep. Vertical delineation occurred throughout the spill area to clean material per Table I. Excavation continued until all samples tested below threshold. The one exception occurred at EB5 where refusal was hit with a rock layer that was impenetrable.

## III. Remediation Plan

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

RXSoil constructed an above-ground treatment cell adjacent to the contaminated area (see *Figure 2* for placement). Berms were built around the perimeter of the cell area. A 20-mil reinforced poly liner was placed on the surface and up the sides of the berms to contain treatment. A proprietary drainage and collection system was installed prior to filling the cells with the 3,400 cubic yards of contaminated soils.

Once all contaminated material was in the treatment cell, chemical and biological treatment began. To confirm successful treatment, a grid of confirmation samples was gathered at depth 36"-48" with one sample representing no more than 100 cubic yards. All samples were field screened using Quantab Chloride Test Strips. If a sample tested above threshold, treatment continued in that area until the soil tested clean, per strictest Table I guidelines for impacted soils. All samples were transferred on ice to a third-party lab for confirmation testing using NMOCD approved testing methods.

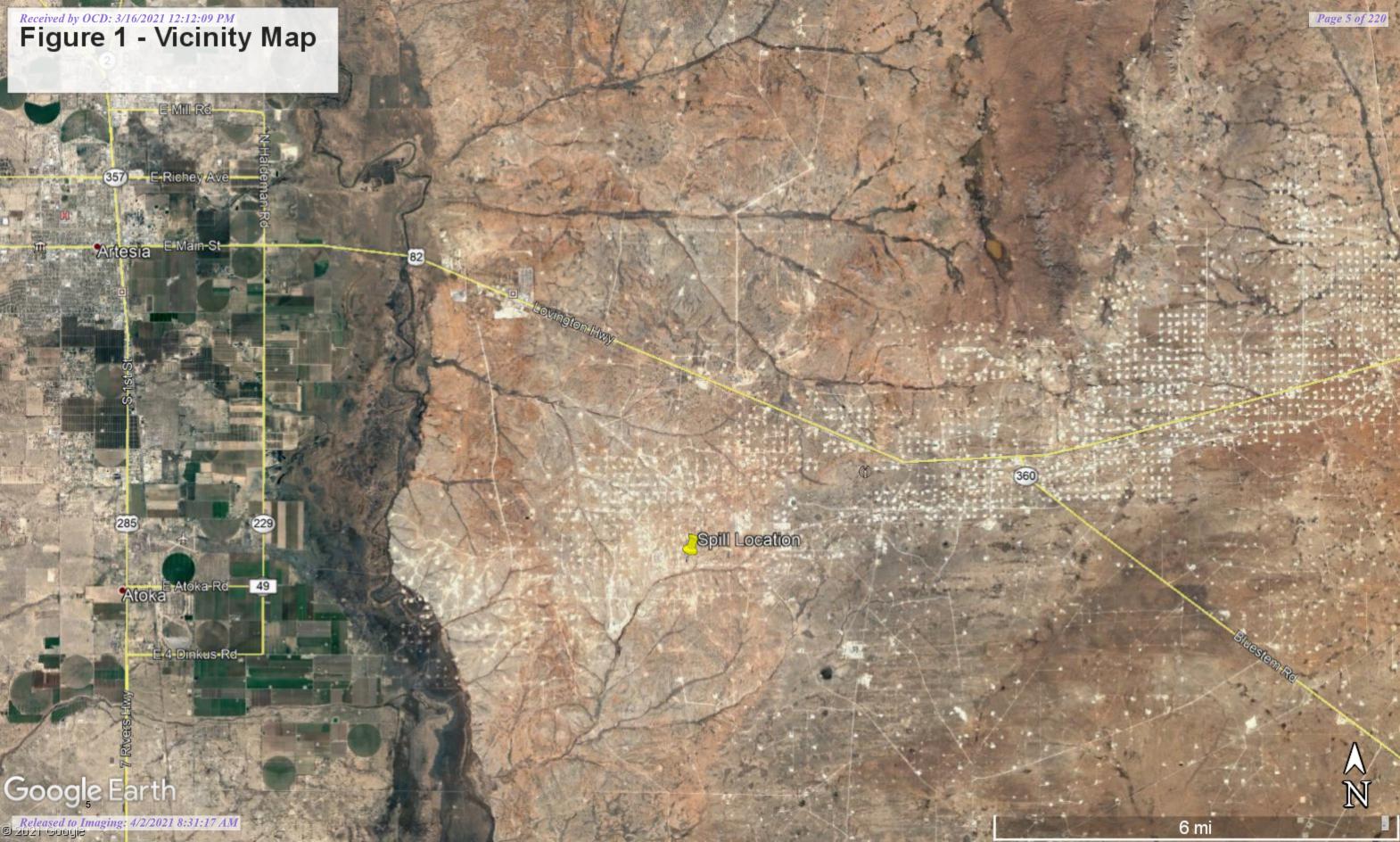
Due to the chloride and hydrocarbons remediating at different rates, if chloride samples were below threshold and TPH thresholds were not, the less than 100 cubic yards represented by that clean sample (as approved in the work plan) were transferred to an adjacent lined treatment area to allow more time for the hydrocarbon remediation to occur. The soil remaining in the cell was then smoothed over. Treatment continued until all 3,400 cubic yards had a clean test for chlorides and BTEX/TPH. In total, 39 final samples were taken for chloride testing (beyond the 34 required) and 36 final samples were taken for TPH/BTEX testing (beyond the 34 required).

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

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

# IV. Restoration, Reclamation and Re-Vegetation

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



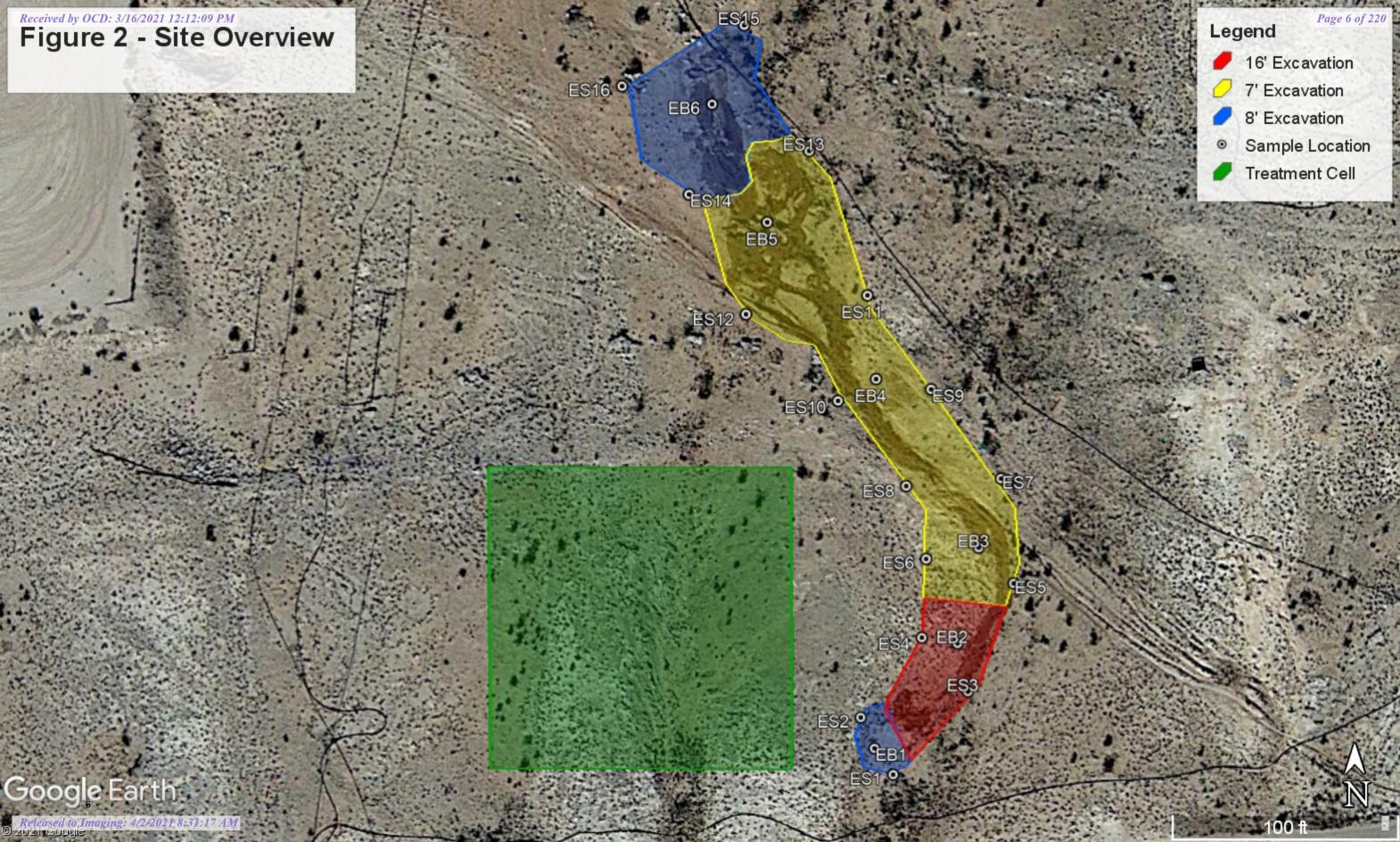
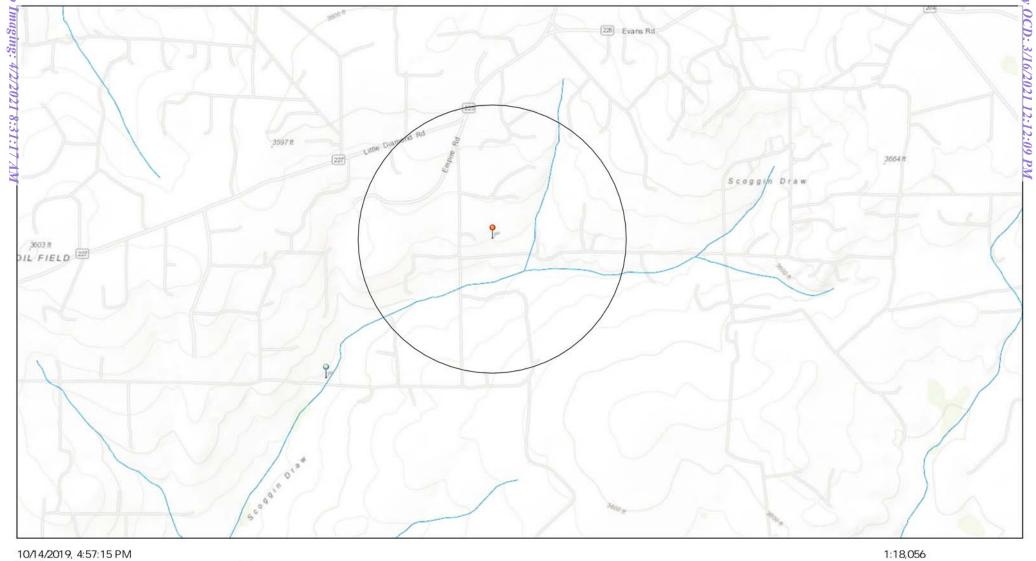
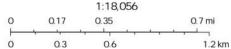


Figure 3. Water Map







Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance USGS, FAO, NPS, NRCAN, Geobase, IGN, Naduse. Co. Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community, OCD

# **APPENDIX A**

C-141

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Incident ID NRM2009845600
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 19.15.29.1	1 NMAC
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	of the liner integrity if applicable (Note: appropriate OCD District office
☐ Laboratory analyses of final sampling (Note: appropriate ODC	C District office must be notified 2 days prior to final sampling)
☐ Description of remediation activities	
and regulations all operators are required to report and/or file certain may endanger public health or the environment. The acceptance of	ntions. The responsible party acknowledges they must substantially nditions that existed prior to the release or their final land use in
Printed Name: Bruce Baker Title:	Environmental Tech SR
Signature: Larry Baker	Date: 3/16/2021
Signature: Larry Baker  email: larry.baker@apachecorp.com	Telephone: 432-631-6982
OCD Only	
Received by: Chad Hensley	Date:04/02/2021
	of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible or regulations.
Closure Approved by:	Date: 04/02/2021
Printed Name: Chad Hensley	Title: Environmental Specialist Advanced

# **APPENDIX B**

# **NEAREST WATER WELL DATA**



USGS Home Contact USGS Search USGS

**National Water Information System: Web Interface** 

**USGS** Water Resources

Data Category: Geographic Area:

Groundwater ▼ United States ▼ GO

### Click to hideNews Bulletins

- Introducing The Next Generation of USGS Water Data for the Nation
- Full News

Groundwater levels for the Nation

# Search Results -- 1 sites found

Agency code = usgs site\_no list =

• 324603104155001

## Minimum number of levels = 1

Save file of selected sites to local disk for future upload

## USGS 324603104155001 18S.27E.10.213223

Eddy County, New Mexico

Latitude 32°46'03", Longitude 104°15'50" NAD27

Land-surface elevation 3,479 feet above NAVD88

The depth of the well is 130 feet below land surface.

This well is completed in the Artesia Group (313ARTS) local aquifer.

## **Output formats**

Table of data	
Tab-separated data	
Graph of data	
Reselect period	

Date	Time	? Water- level date- time accuracy	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Water- level accuracy	? Status	? Method of measurement	? Measuring agency	? Source of measureme
1999-01-1	9	D	31.73			2	2	S	USGS	
1994-02-2	4	D	32.67			2	2	S		
1989-02-0	2	D	19.41			2	2	U		
1984-03-0	1	D	21.36			2	2	U		
1984-02-09	9	D	22.16			2	2	U		
1966-01-2	4	D	41.29			2	2	U		
1964-01-09	9	D	46.92			2	2	U		
1963-11-2	2	D	46.16			2	2	U		
1963-10-0	1	D	45.73			2	2	U		
1963-09-0	4	D	45.59			2	2	U		
1963-08-3	0	D	48.28			2	2	U		
1963-07-2	3	D	48.21			2	2	U		
1963-01-0	7	D	48.75			2	2	U		
1962-01-0	4	D	47.31			2	2	U		
1961-12-2	8	D	47.28			2	2	U		

## Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day

Section	Code	Description
Water-level accuracy	2	Water level accuracy to nearest hundredth of a foot
Status		The reported water-level measurement represents a static level
Method of measurement	S	Steel-tape measurement.
Method of measurement	U	Unknown method.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement	S	Measured by personnel of reporting agency.
Source of measurement	U	Source is unknown.
Water-level approval status	Α	Approved for publication Processing and review completed.

Questions about sites/data? Feedback on this web site Automated retrievals <u>Help</u> **Data Tips** Explanation of terms Subscribe for system changes News

Accessibility Plug-Ins FOIA Privacy Policies and Notices

U.S. Department of the Interior | U.S. Geological Survey
Title: Groundwater for USA: Water Levels URL: https://nwis.waterdata.usgs.gov/nwis/gwlevels?

Page Contact Information: <u>USGS Water Data Support Team</u> Page Last Modified: 2019-10-14 17:52:10 EDT

0.46 0.42 nadww02



# **APPENDIX C**

# **EXCAVATION SUMMARY TABLE**

			K14	<b>Excavation Data</b>	3			
Sample	Sample	Sample Date	Descived	Lab ID Sample	Chloride Benzene BTFX		TPH	
Name	Туре	Sample Date	Received	Lab ID Sample	Method 4500	8021B		8015M
EB-1	Bottom	12/7/2020	12/8/2020	H003206-01	-	<0.050	<0.300	26.7
EB-2	Bottom	12/7/2020	12/8/2020	H003206-02	-	<0.050	< 0.300	<30
EB3	Bottom	6/24/2020	6/26/2020	H001677-08	48.0	<0.050	< 0.300	<30
EB4	Bottom	7/6/2020	7/8/2020	H001776-10	160	<0.050	< 0.300	20.2
EB5	Bottom	7/6/2020	7/8/2020	H001776-11	255	<0.050	<0.300	442
EBS	Bottom	8/26/2020	8/28/2020	H002260-06	-	-	-	623
EB6	Bottom	7/6/2020	7/8/2020	H001776-12	2440	<0.050	<0.300	245
EDO	Bottom	8/26/2020	8/28/2020	H002260-08	176	-	-	<30
ES1	Sidewall	6/24/2020	6/25/2020	H001668-02	16.0	<0.050	<0.300	21.6
ES1D	Sidewall	12/7/2020	12/8/2020	H003206-03	80.0	<0.050	<0.300	<30
ES2	Sidewall	12/7/2020	12/8/2020	H003206-04	64.0	<0.050	<0.300	55.2
ES2D	Sidewall	12/7/2020	12/8/2020	H003206-05	400	<0.050	<0.300	23.7
ES3	Sidewall	6/24/2020	6/26/2020	H001677-01	32.0	<0.050	< 0.300	34.8
ES3D	Sidewall	12/7/2020	12/8/2020	H003206-06	128	<0.050	<0.300	1585
E33D	Sidewall	12/9/2020	12/9/2020	H003213-01	-	<0.050	<0.300	<30
ES4	Sidewall	6/24/2020	6/26/2020	H001677-02	528	<0.050	< 0.300	<30
ES4D	Sidewall	12/7/2020	12/8/2020	H003206-07	112	<0.050	< 0.300	50.8
ES5	Sidewall	6/24/2020	6/26/2020	H001677-03	48.0	<0.050	< 0.300	<30
ES6	Sidewall	6/24/2020	6/26/2020	H001677-04	224	<0.050	< 0.300	<30
ES7	Sidewall	6/25/2020	6/26/2020	H001677-05	96.0	<0.050	< 0.300	12.9
ES8	Sidewall	7/6/2020	7/9/2020	H001776-01	832	<0.050	<0.300	<30
E30	Sidewall	12/8/2020	12/9/2020	H003212-01	80.0	-	-	-
ES9	Sidewall	7/6/2020	7/8/2020	H001776-02	112	<0.050	< 0.300	<30
ES10	Sidewall	7/6/2020	7/8/2020	H001776-03	256	<0.050	4.35	1473
E310	Sidewall	12/9/2020	12/10/2020	H003228-01	-	<0.050	<0.300	<30
ES11	Sidewall	7/6/2020	7/8/2020	H001776-04	752	<0.050	<0.300	31.4
5311	Sidewall	12/8/2020	12/9/2020	H003212-03	304	-	-	-
ES12	Sidewall	7/6/2020	7/8/2020	H001776-05	160	<0.050	< 0.300	<30
ES13	Sidewall	7/6/2020	7/8/2020	H001776-06	288	<0.050	<0.300	65.6
ES14	Sidewall	12/8/2020		H003212-04	80	<0.050	< 0.300	10.0
ES15	Sidewall	12/8/2020		H003212-05	128	<0.050	<0.300	<30
ES15D	Sidewall	12/8/2020	12/9/2020	H003212-06	192	<0.050	<0.300	<30
ES16	Sidewall	7/6/2020	7/8/2020	H001776-09	160	<0.050	<0.300	41.8
NMOCD Thr	esholds				600	10	50	100

# **APPENDIX D.1**

# **REMEDIATION DATA SUMMARY TABLE**

**CHLORIDE SAMPLING** 

	K14	Chlorides Rem	ediation	
Sample	Canada Data	Descrived	Lab ID Cample	Chloride
Name	Sample Date	Received	Lab ID Sample	Method 4500
A1	8/5/2020	8/6/2020	H002030-01	464
A1	11/19/2020	11/20/2020	H003079-01	384
A2	10/28/2020	10/29/2020	H002861-02	512
A3	9/4/2020	9/8/2020	H002368-03	560
A3	11/19/2020	11/20/2020	H003079-02	496
A4	8/5/2020	8/6/2020	H002030-02	560
A4	11/19/2020	11/20/2020	H003079-03	448
A4	9/4/2020	9/8/2020	H002368-04	448
B1	8/5/2020	8/6/2020	H002030-03	400
В3	8/5/2020	8/6/2020	H002030-04	464
B4	9/4/2020	9/8/2020	H002368-08	432
C1	10/28/2020	10/29/2020	H002861-05	480
C2	8/5/2020	8/6/2020	H002030-05	432
C2	11/19/2020	11/20/2020	H003079-04	480
C3	8/5/2020	8/6/2020	H002030-06	512
C3	11/23/2020	11/23/2020	H003099-01	448
C4	9/4/2020	9/8/2020	H002368-11	400
C4	11/19/2020	11/20/2020	H003079-06	528
C5	8/5/2020	8/6/2020	H002030-07	224
D1	8/5/2020	8/6/2020	H002030-08	320
D2	8/5/2020	8/7/2020	H002030-09	176
D3	9/4/2020	9/8/2020	H002368-14	528
D4	9/4/2020	9/8/2020	H002368-15	384
D4	8/5/2020	8/7/2020	H002030-10	528
E1	10/28/2020	10/29/2020	H002861-09	576
E2	10/28/2020	10/29/2020	H002861-10	256
E2	8/5/2020	8/7/2020	H002030-11	112
E3	8/5/2020		H002030-12	256
E3	11/19/2020	11/20/2020	H003079-07	432
E4	8/5/2020	8/7/2020	H002030-13	560
E4	11/19/2020	11/20/2020	H003079-08	400
G1	10/28/2020	10/29/2020	H002861-13	256
G2	10/28/2020	10/29/2020	H002861-14	224
G3	10/28/2020	10/29/2020	H002861-15	240
G4	10/28/2020		H002861-16	560
I1	10/28/2020	10/29/2020	H002861-17	480
12	10/28/2020		H002861-18	144
13	10/28/2020		H002861-19	448
14	10/28/2020	10/29/2020	H002861-20	464
NMOCD Thr	esholds			600

Total clean chloride samples: 39

All samples listed in mg/kg unless otherwise noted

# **APPENDIX D.2**

# **REMEDIATION DATA SUMMARY TABLE**

**TPH/BTEX SAMPLING** 

		K14 Hydr	ocarbon Remedi	ation		
Sample	Canada Data	Descional	Lab ID Canada	Benzene	BTEX	TPH
Name	Sample Date	Received	Lab ID Sample	802	21B	8015M
A1	12/17/2020	12/17/2020	H003297-01	<0.050	<0.300	41.5
A2	12/17/2020	12/17/2020	H003297-02	<0.050	< 0.300	22.8
A3	12/17/2020	12/17/2020	H003297-03	<0.050	< 0.300	41.8
A4	12/17/2020	12/17/2020	H003297-04	<0.050	< 0.300	37.6
C1	12/17/2020	12/17/2020	H003297-05	<0.050	< 0.300	31.9
C2	8/5/2020	8/6/2020	H002030-05	<0.050	0.642	72.0
C2	12/17/2020	12/17/2020	H003297-06	<0.050	< 0.300	41.1
C3	11/23/2020	11/23/2020	H003099-01	< 0.050	< 0.300	62.8
C4	12/14/2020	12/15/2020	H003253-07	<0.050	< 0.300	53.4
E1	12/17/2020	12/17/2020	H003297-07	<0.050	< 0.300	49.3
E2	10/28/2020	10/29/2020	H002861-10	<0.050	0.808	58.4
E3	10/28/2020	10/29/2020	H002861-11	<0.050	1.39	75.6
E3	12/14/2020	12/15/2020	H003253-09	<0.050	< 0.300	78.5
E4	8/5/2020	8/7/2020	H002030-13	<0.050	< 0.300	28.5
E4	10/28/2020	10/29/2020	H002861-12	<0.050	1.56	81.4
E4	12/14/2020	12/15/2020	H003253-10	<0.050	<0.300	40.2
G1	12/14/2020	12/15/2020	H003253-11	<0.050	0.876	44.3
G2	12/14/2020	12/15/2020	H003253-12	<0.050	0.697	55.3
G3	12/14/2020	12/15/2020	H003253-13	<0.050	< 0.300	86.6
G4	12/14/2020	12/15/2020	H003253-14	<0.050	<0.300	86.5
I1	12/14/2020	12/15/2020	H003253-15	<0.050	0.572	85.1
12	12/14/2020	12/15/2020	H003253-16	<0.050	< 0.300	82.2
13	12/17/2020	12/17/2020	H003297-08	<0.050	< 0.300	43.0
14	12/17/2020	12/17/2020	H003297-09	<0.050	<0.300	95.8
W1	10/28/2020	10/29/2020	H002862-01	<0.050	<0.300	76.4
W2	10/28/2020	10/29/2020	H002862-02	<0.050	<0.300	67.6
W3	10/28/2020	10/29/2020	H002862-03	<0.050	<0.300	55.3
X1	12/17/2020	12/17/2020	H003297-10	<0.050	<0.300	76.5
X2	12/14/2020	12/15/2020	H003253-20	<0.050	<0.300	66.8
Х3	10/28/2020	10/29/2020	H002862-06	<0.050	<0.300	14.1
Y2	10/28/2020	10/29/2020	H002862-08	<0.050	<0.300	73.8
Y2	12/14/2020	12/14/2020	H003253-21	<0.050	0.347	80.3
Y3	10/28/2020	10/29/2020	H002862-09	<0.050	<0.300	21.5
Z1	10/28/2020	10/29/2020	H002862-10	<0.050	<0.300	32.0
Z2	10/28/2020	10/29/2020	H002862-11	<0.050	<0.300	39.4
Z3	10/28/2020	10/29/2020	H002862-12	<0.050	<0.300	41.7
NMOCD Thr	esholds			10	50	100

Total clean TPH/BTEX samples: 36

All samples listed in mg/kg unless otherwise noted

# **APPENDIX E**

# **SITE PHOTOGRAPHS**



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

# **APPENDIX F**

# **LABORATORY REPORTS**

# **Appendix F – Laboratory Reports**

1.	H001668	22
2.	H001677	28
3.	H001776	39
4.	H002030	55
	H002260	
6.	H002368	80
7.	H002861	99
8.	H002862	123
	H003079	
10.	H003099	150
11.	H003206	154
	H003212	
13.	H003213	172
14.	H003228	176
15.	H003253	180
16.	H003297	206



June 26, 2020

MATTHEW LONGCRIER
RX-SOIL INC.
201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: K - 14

Enclosed are the results of analyses for samples received by the laboratory on 06/25/20 12:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



# Analytical Results For:

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

Fax To: NA

Received: 06/25/2020 Reported:

06/26/2020 K - 14 Project Number: **SP - 3** 

Project Location: NONE GIVEN Sampling Date: 06/24/2020

Sampling Type: Soil

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

# Sample ID: EB - 1 (H001668-01)

Project Name:

BTEX 8021B	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2020	ND	1.94	96.8	2.00	4.70	
Toluene*	0.377	0.050	06/26/2020	ND	1.93	96.6	2.00	4.94	
Ethylbenzene*	1.12	0.050	06/26/2020	ND	1.97	98.5	2.00	4.31	
Total Xylenes*	4.02	0.150	06/26/2020	ND	5.77	96.2	6.00	4.29	
Total BTEX	5.52	0.300	06/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	184	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	06/25/2020	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	46.9	10.0	06/26/2020	ND	202	101	200	11.4	
DRO >C10-C28*	829	10.0	06/26/2020	ND	199	99.7	200	12.7	
EXT DRO >C28-C36	114	10.0	06/26/2020	ND					
Surrogate: 1-Chlorooctane	132	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	139	% 42.2-15	6						

#### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



# Analytical Results For:

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

Received: 06/25/2020 Reported: 06/26/2020

Project Name: K - 14
Project Number: SP - 3
Project Location: NONE GIVEN

Sampling Date: 06/24/2020

Sampling Type: Soil

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

# Sample ID: ES - 1 (H001668-02)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2020	ND	1.94	96.8	2.00	4.70	
Toluene*	<0.050	0.050	06/26/2020	ND	1.93	96.6	2.00	4.94	
Ethylbenzene*	<0.050	0.050	06/26/2020	ND	1.97	98.5	2.00	4.31	
Total Xylenes*	<0.150	0.150	06/26/2020	ND	5.77	96.2	6.00	4.29	
Total BTEX	<0.300	0.300	06/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/25/2020	ND	400	100	400	7.69	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/25/2020	ND	202	101	200	11.4	
DRO >C10-C28*	21.6	10.0	06/25/2020	ND	199	99.7	200	12.7	
EXT DRO >C28-C36	<10.0	10.0	06/25/2020	ND					
Surrogate: 1-Chlorooctane	110 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	122	% 42.2-15	6						

# Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



# Analytical Results For:

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

Fax To: NA

Received: 06/25/2020 Sampling Date: 06/24/2020

Reported: 06/26/2020 Sampling Type: Soil
Project Name: K - 14 Sampling Condition: Cool

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: SP - 3 Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

# Sample ID: ES - 2 (H001668-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2020	ND	1.94	96.8	2.00	4.70	
Toluene*	<0.050	0.050	06/26/2020	ND	1.93	96.6	2.00	4.94	
Ethylbenzene*	<0.050	0.050	06/26/2020	ND	1.97	98.5	2.00	4.31	
Total Xylenes*	<0.150	0.150	06/26/2020	ND	5.77	96.2	6.00	4.29	
Total BTEX	<0.300	0.300	06/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.5	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	06/25/2020	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/25/2020	ND	202	101	200	11.4	
DRO >C10-C28*	494	10.0	06/25/2020	ND	199	99.7	200	12.7	
EXT DRO >C28-C36	116	10.0	06/25/2020	ND					
Surrogate: 1-Chlorooctane	116	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	131	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



## **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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Celey D. Keene

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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CARDINAL

Laboratories

101 East Marland, Hobbs, NM 88240

기 East Mariand, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476

State: Zip: Address:  Fax #: Address: Address: Address: Zip: State: Zip: State: Zip: Project Owner: City: State: Zip: Phone #: Project Owner: Project Owner: State: Zip: Phone #: Project Owner: State: Zip: Phone	Company Name: RXSci			BILL TO		ANALYSIS REQUEST	UEST
Yes No Add'I Phone #:    Yes   No Add'I Phone #:   Cool Intact   Yes   Yes   Yes   Yes   No No No No No No No No   No No   No No   No	Matt	orgerie		P.O. #:			
X X X X X X X X X X X X X X X X X X X		(		Company:			
Yes	City:	State:		Attn:			
Yes	Phone #:	Fax #:		Address:			
Yes □ No Add'I Phone #: illed. Please provide Email address:  Standard □ Cool Intact  Yes □ No	Project #:	Project Owner		City:			
Yes No Add'I Phone #:    Yes   No Add'I Phone #:   Cool Intact   Yes   No No No							
X X X X X X X X X X X X X X X X X X X	on:	SP-3					
Yes		Adams		Fax #:	i i		
Yes							
X X  No Add'I Phone #:  illed. Please provide Email address:  Standard Bacteria (only) S  Cool Intact  Yes Yes Yes Yes No No	*	e I.D.	CONTAINERS ROUNDWATER VASTEWATER OIL IL LUDGE	CID/BASE: EE / COOL THER :	Chierda		
X X  X X  Illed. Please provide Email address:  Standard			人		×		
X X  Yes □ No Add'I Phone #: illed. Please provide Email address:  Standard □ Bacteria (only) S Cool Intact □ Yes □ Yes □ No No	-		*:		-		
Yes			*		×		
Date: /25/25  Time: Verbal Result:	PLEASE NOTE: Liability and Damages. Cardinal's liability analyses. All claims including those for negligence and any service. In no event shall Cardinal be liable for incidental or afficiates or successors affician out of	and client's exclusive remedy for al other cause whatsoever shall be a consequental damages, including	ny claim arising whether based in contract or learned waiwed unless made in writing and remitment in trimitation, business interruptions, los watched in its contract of whether such claim is a radinal. reparalless of whether such claim is	tort, shall be limited to the amount paid ecoived by Cardinal within 30 days after so of tooffs incurred by classed real stated real took and the above stated fee	by the client for the completion of the applicable ent. its subsidiaries, conseror otherwise.		
Date: Received By:  Time:  Cle One) Observed Temp. °C	Relinquished By:  MMT H	Date: (/15/20 Time:	Received By:	Maladae	Verbal Result: ☐ Yes ☐ All Results are emailed. Please	No Add'I Phone #: e provide Email address:	
Observed Temp. °C —0.8 Sample Condition CHECKED BY: Turnaround Time: Standard Bacteria (only) S  Cool Intact (Initials) Thermometer ID #113 Corrected Temp. °C Pres Pres Pres Correction Factor None No	Relinquished By:	Date: Time:	Received By:		REMARKS:	.g.	
Corrected Temp. °C Pes Yes Thermometer ID #113   Yes   Yes   No   No   No   No   No   No   No   N	Delivered By: (Circle One)	Observed Temp. °C	Sample Conditio	CHECKED BY:		7	Sample Condition
ı	Sampler - UPS - Bus - Other:	Corrected Temp. °C	Aves Aves	To.			Corrected Temp. °C



June 29, 2020

MATTHEW LONGCRIER
RX-SOIL INC.
201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: K - 14

Enclosed are the results of analyses for samples received by the laboratory on 06/26/20 9:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



# Analytical Results For:

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

Fax To: NA

Received: 06/26/2020 Reported:

06/29/2020 K - 14

ma/ka

Project Name: Project Number: **NOT GIVEN** Project Location: NONE GIVEN Sampling Date: 06/24/2020

Sampling Type: Soil

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

Sample ID: ES - 3 (H001677-01)

DTEV 0021D

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2020	ND	2.00	100	2.00	0.0376	
Toluene*	<0.050	0.050	06/26/2020	ND	1.98	99.2	2.00	0.0715	
Ethylbenzene*	<0.050	0.050	06/26/2020	ND	2.00	100	2.00	0.168	
Total Xylenes*	<0.150	0.150	06/26/2020	ND	5.86	97.6	6.00	0.0525	
Total BTEX	<0.300	0.300	06/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2020	ND	204	102	200	0.886	
DRO >C10-C28*	34.8	10.0	06/26/2020	ND	198	98.8	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	06/26/2020	ND					
Surrogate: 1-Chlorooctane	110 5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	123	% 42.2-15	6						

Analyzed By MC

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

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

Received: 06/26/2020 Reported: 06/29/2020

Project Name: K - 14 Project Number: NOT GIVEN Project Location: NONE GIVEN Sampling Date: 06/24/2020

Sampling Type: Soil

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

# Sample ID: ES - 4 (H001677-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2020	ND	2.00	100	2.00	0.0376	
Toluene*	<0.050	0.050	06/26/2020	ND	1.98	99.2	2.00	0.0715	
Ethylbenzene*	<0.050	0.050	06/26/2020	ND	2.00	100	2.00	0.168	
Total Xylenes*	<0.150	0.150	06/26/2020	ND	5.86	97.6	6.00	0.0525	
Total BTEX	<0.300	0.300	06/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	06/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2020	ND	204	102	200	0.886	
DRO >C10-C28*	<10.0	10.0	06/26/2020	ND	198	98.8	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	06/26/2020	ND					
Surrogate: 1-Chlorooctane	111 %	6 44.3-14	4						
Surrogate: 1-Chlorooctadecane	124 9	% 42.2-15	6						

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Celecy D. Keene



# Analytical Results For:

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

Fax To: NA

Received: 06/26/2020 Reported: 06/29/2020

Project Name: K - 14
Project Number: NOT GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/24/2020

Sampling Type: Soil

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

Sample ID: ES - 5 (H001677-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2020	ND	2.00	100	2.00	0.0376	
Toluene*	<0.050	0.050	06/26/2020	ND	1.98	99.2	2.00	0.0715	
Ethylbenzene*	<0.050	0.050	06/26/2020	ND	2.00	100	2.00	0.168	
Total Xylenes*	<0.150	0.150	06/26/2020	ND	5.86	97.6	6.00	0.0525	
Total BTEX	<0.300	0.300	06/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.6	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2020	ND	204	102	200	0.886	
DRO >C10-C28*	<10.0	10.0	06/26/2020	ND	198	98.8	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	06/26/2020	ND					
Surrogate: 1-Chlorooctane	113 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	127	% 42.2-15	6						

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Celey D. Keine



# Analytical Results For:

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

Fax To: NA

Received: 06/26/2020 Sampling Date: 06/24/2020

Reported: 06/29/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

# Sample ID: ES - 6 (H001677-04)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2020	ND	2.00	100	2.00	0.0376	
Toluene*	<0.050	0.050	06/26/2020	ND	1.98	99.2	2.00	0.0715	
Ethylbenzene*	<0.050	0.050	06/26/2020	ND	2.00	100	2.00	0.168	
Total Xylenes*	<0.150	0.150	06/26/2020	ND	5.86	97.6	6.00	0.0525	
Total BTEX	<0.300	0.300	06/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	06/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2020	ND	204	102	200	0.886	
DRO >C10-C28*	<10.0	10.0	06/26/2020	ND	198	98.8	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	06/26/2020	ND					
Surrogate: 1-Chlorooctane	115	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	126	% 42.2-15	6						

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Celey D. Keene



06/25/2020

# Analytical Results For:

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

Fax To: NA

Received: 06/26/2020 Reported:

06/29/2020 Sampling Type: Soil Project Name: K - 14 Sampling Condition: Cool & Intact Sample Received By: Project Number: NOT GIVEN Tamara Oldaker

Sampling Date:

Project Location: NONE GIVEN

# Sample ID: ES - 7 (H001677-05)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2020	ND	2.00	100	2.00	0.0376	
Toluene*	<0.050	0.050	06/26/2020	ND	1.98	99.2	2.00	0.0715	
Ethylbenzene*	<0.050	0.050	06/26/2020	ND	2.00	100	2.00	0.168	
Total Xylenes*	<0.150	0.150	06/26/2020	ND	5.86	97.6	6.00	0.0525	
Total BTEX	<0.300	0.300	06/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2020	ND	204	102	200	0.886	
DRO >C10-C28*	12.9	10.0	06/26/2020	ND	198	98.8	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	06/26/2020	ND					
Surrogate: 1-Chlorooctane	120 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	133 9	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



# Analytical Results For:

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

ma/ka

 Received:
 06/26/2020
 Sampling Date:
 06/24/2020

 Reported:
 06/29/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NOT GIVEN Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: NONE GIVEN

# Sample ID: ES - 8 (H001677-06)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	ea By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2020	ND	2.00	100	2.00	0.0376	
Toluene*	<0.050	0.050	06/26/2020	ND	1.98	99.2	2.00	0.0715	
Ethylbenzene*	<0.050	0.050	06/26/2020	ND	2.00	100	2.00	0.168	
Total Xylenes*	<0.150	0.150	06/26/2020	ND	5.86	97.6	6.00	0.0525	
Total BTEX	<0.300	0.300	06/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	06/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2020	ND	204	102	200	0.886	
DRO >C10-C28*	183	10.0	06/26/2020	ND	198	98.8	200	1.85	
EXT DRO >C28-C36	23.8	10.0	06/26/2020	ND					
Surrogate: 1-Chlorooctane	116	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	136	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager



# Analytical Results For:

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

Fax To: NA

Received: 06/26/2020 Reported: 06/29/2020

Project Name: K - 14
Project Number: NOT GIVEN

Project Location: NONE GIVEN

Sampling Date: 06/24/2020

Sampling Type: Soil

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

# Sample ID: EB - 2 (H001677-07)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2020	ND	2.00	100	2.00	0.0376	
Toluene*	1.67	0.050	06/29/2020	ND	1.98	99.2	2.00	0.0715	
Ethylbenzene*	5.37	0.050	06/29/2020	ND	2.00	100	2.00	0.168	
Total Xylenes*	19.3	0.150	06/29/2020	ND	5.86	97.6	6.00	0.0525	
Total BTEX	26.4	0.300	06/29/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	188	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	06/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	333	50.0	06/26/2020	ND	204	102	200	0.886	
DRO >C10-C28*	3070	50.0	06/26/2020	ND	198	98.8	200	1.85	
EXT DRO >C28-C36	380	50.0	06/26/2020	ND					
Surrogate: 1-Chlorooctane	175	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	208	% 42.2-15	6						

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Celey D. Keine



# Analytical Results For:

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

Received: 06/26/2020 Reported: 06/29/2020

Project Name: K - 14
Project Number: NOT GIVEN
Project Location: NONE GIVEN

Sampling Date: 06/24/2020

Sampling Type: Soil

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

## Sample ID: EB - 3 (H001677-08)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/26/2020	ND	2.00	100	2.00	0.0376	
Toluene*	<0.050	0.050	06/26/2020	ND	1.98	99.2	2.00	0.0715	
Ethylbenzene*	<0.050	0.050	06/26/2020	ND	2.00	100	2.00	0.168	
Total Xylenes*	<0.150	0.150	06/26/2020	ND	5.86	97.6	6.00	0.0525	
Total BTEX	<0.300	0.300	06/26/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	06/26/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/26/2020	ND	204	102	200	0.886	
DRO >C10-C28*	<10.0	10.0	06/26/2020	ND	198	98.8	200	1.85	
EXT DRO >C28-C36	<10.0	10.0	06/26/2020	ND					
Surrogate: 1-Chlorooctane	118	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	130	% 42.2-15	6						

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Celey D. Keine



### **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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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Celeg D. Freene

Relinquished By:

Time of on Date:6/26

Date: Time:

Sampler - UPS - Bus - Other:

Corrected Temp. °C Observed Temp. °C

5.8

Sample Condition
Cool Intact
Pres Pres
No No

CHECKED BY:

Turnaround Time:

Standard Rush

P

REMARKS:

Delivered By: (Circle One)

Relinquished By:

service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries

Received By:

All Results are emailed. Please provide Email address:

Verbal Result:

□ Yes

☐ No Add'I Phone #:

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FAX (575) 393-2476

Company Name:	7X80 [ ]		BILL TO	ANALYSIS REQUEST
Project Manager:	Matt Longoner		P.O. #:	
Address:			Company:	
City:	State:	Zip:	Attn:	
Phone #:	Fax #:		Address:	
Project #:	Project Owner:	vner:	City:	
Project Name:	でに		State: Zip:	
Project Location:			Phone #:	
Sampler Name:	Hayes Adams		Fax #:	
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	
Lab I.D.	Sample I.D.	G)RAB OR (C)OMP. CONTAINERS GROUNDWATER WASTEWATER SOIL DIL	BLUDGE DTHER: ACID/BASE: CE / COOL DTHER: DATE	Chloride BTex TPH
-	ES- 3	<b>'</b> ×		× × ×
2	ES- 4			
W	ES- 5	11		
4	ES- 6		6/24	
5	ES-7		6/25	
60	ES-8		6/24	
J-	E3-2			
· 00	EB-3	*	(0,21 h2/g)	t ×
PLEASE NOTE: Liability and	Damages, Cardinal's liability and client's exclusive remed	ly for any claim ansing whether based in contra	PLEASE NOTE: Lability and Damages, Cardina's lability and client's exclusive remedy for any claim arising whether based in contract or for, shall be limited to the amount paid by the client for the problem of the contract or for, shall be limited to the amount paid by the client of the amount paid by the client of the contract of th	for the applicable

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

0

Thermometer ID #113 Correction Factor None



July 13, 2020

HAYES ADAMS

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: EAU K14

Enclosed are the results of analyses for samples received by the laboratory on 07/07/20 16:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Received: 07/07/2020 Sampling Date: 07/06/2020

Reported: 07/13/2020 Sampling Type: Soil

Project Name: EAU K14 Sampling Condition: Cool & Intact Project Number: **EXCAVATION SAMPLES** Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

### Sample ID: ES 8 (H001776-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/10/2020	ND	1.85	92.6	2.00	4.67	
Toluene*	<0.050	0.050	07/10/2020	ND	1.86	93.1	2.00	4.79	
Ethylbenzene*	<0.050	0.050	07/10/2020	ND	1.87	93.5	2.00	4.91	
Total Xylenes*	<0.150	0.150	07/10/2020	ND	5.38	89.7	6.00	4.90	
Total BTEX	<0.300	0.300	07/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.1	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	07/10/2020	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/09/2020	ND	207	103	200	1.29	
DRO >C10-C28*	<10.0	10.0	07/09/2020	ND	240	120	200	14.5	
EXT DRO >C28-C36	<10.0	10.0	07/09/2020	ND					
Surrogate: 1-Chlorooctane	75.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	78.9	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 07/07/2020 Sampling Date: 07/06/2020

Reported: 07/13/2020 Sampling Type: Soil

Project Name: EAU K14 Sampling Condition: Cool & Intact
Project Number: EXCAVATION SAMPLES Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

### Sample ID: ES 9 (H001776-02)

BTEX 8021B

	9/	9	7.1.4.7.2						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2020	ND	1.86	93.1	2.00	4.12	
Toluene*	<0.050	0.050	07/08/2020	ND	1.88	94.1	2.00	4.33	
Ethylbenzene*	<0.050	0.050	07/08/2020	ND	1.91	95.5	2.00	4.49	
Total Xylenes*	<0.150	0.150	07/08/2020	ND	5.53	92.2	6.00	4.41	
Total BTEX	<0.300	0.300	07/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/08/2020	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2020	ND	171	85.6	200	0.335	
DRO >C10-C28*	<10.0	10.0	07/08/2020	ND	165	82.6	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/08/2020	ND					
Surrogate: 1-Chlorooctane	70.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	72.7	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



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

### Analytical Results For:

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

Received: 07/07/2020 Sampling Date: 07/06/2020

Reported: 07/13/2020 Sampling Type: Soil

Project Name: EAU K14 Sampling Condition: Cool & Intact Sample Received By: Project Number: **EXCAVATION SAMPLES** Tamara Oldaker

Project Location: NONE GIVEN

### Sample ID: ES 10 (H001776-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2020	ND	1.86	93.1	2.00	4.12	
Toluene*	0.084	0.050	07/08/2020	ND	1.88	94.1	2.00	4.33	
Ethylbenzene*	1.04	0.050	07/08/2020	ND	1.91	95.5	2.00	4.49	
Total Xylenes*	3.23	0.150	07/08/2020	ND	5.53	92.2	6.00	4.41	
Total BTEX	4.35	0.300	07/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	164 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/08/2020	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	95.4	50.0	07/08/2020	ND	171	85.6	200	0.335	
DRO >C10-C28*	1240	50.0	07/08/2020	ND	165	82.6	200	1.16	
EXT DRO >C28-C36	138	50.0	07/08/2020	ND					
Surrogate: 1-Chlorooctane	86.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	112 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 07/07/2020 Sampling Date: 07/06/2020

Reported: 07/13/2020 Sampling Type: Soil

Project Name: EAU K14 Sampling Condition: Cool & Intact Sample Received By: Project Number: **EXCAVATION SAMPLES** Tamara Oldaker

Project Location: NONE GIVEN

### Sample ID: ES 11 (H001776-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2020	ND	1.86	93.1	2.00	4.12	
Toluene*	<0.050	0.050	07/08/2020	ND	1.88	94.1	2.00	4.33	
Ethylbenzene*	<0.050	0.050	07/08/2020	ND	1.91	95.5	2.00	4.49	
Total Xylenes*	<0.150	0.150	07/08/2020	ND	5.53	92.2	6.00	4.41	
Total BTEX	<0.300	0.300	07/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	07/08/2020	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2020	ND	171	85.6	200	0.335	
DRO >C10-C28*	31.4	10.0	07/08/2020	ND	165	82.6	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/08/2020	ND					
Surrogate: 1-Chlorooctane	73.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	73.9	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

mg/kg

Received: 07/07/2020 Sampling Date: 07/06/2020

Reported: 07/13/2020 Sampling Type: Soil

Project Name: EAU K14 Sampling Condition: Cool & Intact
Project Number: EXCAVATION SAMPLES Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

### Sample ID: ES 12 (H001776-05)

BTEX 8021B

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2020	ND	1.86	93.1	2.00	4.12	
Toluene*	<0.050	0.050	07/08/2020	ND	1.88	94.1	2.00	4.33	
Ethylbenzene*	<0.050	0.050	07/08/2020	ND	1.91	95.5	2.00	4.49	
Total Xylenes*	<0.150	0.150	07/08/2020	ND	5.53	92.2	6.00	4.41	
Total BTEX	<0.300	0.300	07/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/08/2020	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2020	ND	171	85.6	200	0.335	
DRO >C10-C28*	<10.0	10.0	07/08/2020	ND	165	82.6	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/08/2020	ND					
Surrogate: 1-Chlorooctane	60.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	63.6	% 42.2-15	6						

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Celeg & Kreens



### Analytical Results For:

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

Received: 07/07/2020 Sampling Date: 07/06/2020

Reported: 07/13/2020 Sampling Type: Soil

Project Name: EAU K14 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: **EXCAVATION SAMPLES** 

Project Location: NONE GIVEN

### Sample ID: ES 13 (H001776-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2020	ND	1.86	93.1	2.00	4.12	
Toluene*	<0.050	0.050	07/08/2020	ND	1.88	94.1	2.00	4.33	
Ethylbenzene*	<0.050	0.050	07/08/2020	ND	1.91	95.5	2.00	4.49	
Total Xylenes*	<0.150	0.150	07/08/2020	ND	5.53	92.2	6.00	4.41	
Total BTEX	<0.300	0.300	07/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	07/08/2020	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2020	ND	171	85.6	200	0.335	
DRO >C10-C28*	65.6	10.0	07/08/2020	ND	165	82.6	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/08/2020	ND					
Surrogate: 1-Chlorooctane	67.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	71.6	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

### Analytical Results For:

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

Received: 07/07/2020 Sampling Date: 07/06/2020

Reported: 07/13/2020 Sampling Type: Soil

Project Name: EAU K14 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: **EXCAVATION SAMPLES** 

Project Location: NONE GIVEN

### Sample ID: ES 14 (H001776-07)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.097	0.050	07/08/2020	ND	1.86	93.1	2.00	4.12	
Toluene*	1.02	0.050	07/08/2020	ND	1.88	94.1	2.00	4.33	
Ethylbenzene*	5.64	0.050	07/08/2020	ND	1.91	95.5	2.00	4.49	
Total Xylenes*	14.2	0.150	07/08/2020	ND	5.53	92.2	6.00	4.41	
Total BTEX	21.0	0.300	07/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	217	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	07/08/2020	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	247	50.0	07/08/2020	ND	171	85.6	200	0.335	
DRO >C10-C28*	1810	50.0	07/08/2020	ND	165	82.6	200	1.16	
EXT DRO >C28-C36	209	50.0	07/08/2020	ND					
Surrogate: 1-Chlorooctane	100	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	134	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 07/07/2020 Sampling Date: 07/06/2020

Reported: 07/13/2020 Sampling Type: Soil

Project Name: EAU K14 Sampling Condition: Cool & Intact
Project Number: EXCAVATION SAMPLES Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

### Sample ID: ES 15 (H001776-08)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2020	ND	1.86	93.1	2.00	4.12	
Toluene*	<0.050	0.050	07/08/2020	ND	1.88	94.1	2.00	4.33	
Ethylbenzene*	0.107	0.050	07/08/2020	ND	1.91	95.5	2.00	4.49	
Total Xylenes*	1.09	0.150	07/08/2020	ND	5.53	92.2	6.00	4.41	
Total BTEX	1.20	0.300	07/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	122	% 73.3-12	9						
Chloride, SM4500CI-B	mg/kg		Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3560	16.0	07/08/2020	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	29.0	10.0	07/08/2020	ND	171	85.6	200	0.335	
DRO >C10-C28*	3000	10.0	07/08/2020	ND	165	82.6	200	1.16	
EXT DRO >C28-C36	631	10.0	07/08/2020	ND					
Surrogate: 1-Chlorooctane	91.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	193	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 07/07/2020 Sampling Date: 07/06/2020

Reported: 07/13/2020 Sampling Type: Soil

Project Name: EAU K14 Sampling Condition: Cool & Intact
Project Number: EXCAVATION SAMPLES Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: NONE GIVEN

ma/ka

### Sample ID: ES 16 (H001776-09)

RTFY 8021R

BIEX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2020	ND	1.86	93.1	2.00	4.12	
Toluene*	<0.050	0.050	07/08/2020	ND	1.88	94.1	2.00	4.33	
Ethylbenzene*	<0.050	0.050	07/08/2020	ND	1.91	95.5	2.00	4.49	
Total Xylenes*	<0.150	0.150	07/08/2020	ND	5.53	92.2	6.00	4.41	
Total BTEX	<0.300	0.300	07/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/08/2020	ND	448	112	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2020	ND	171	85.6	200	0.335	
DRO >C10-C28*	41.8	10.0	07/08/2020	ND	165	82.6	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/08/2020	ND					
Surrogate: 1-Chlorooctane	78.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	83.7	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 07/07/2020 Sampling Date: 07/06/2020

Reported: 07/13/2020 Sampling Type: Soil

Project Name: EAU K14 Sampling Condition: Cool & Intact
Project Number: EXCAVATION SAMPLES Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: NONE GIVEN

mg/kg

### Sample ID: EB 4 (H001776-10)

BTEX 8021B

DILX OUZID	ıııg,	, kg	Andryzo	a by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2020	ND	1.86	93.1	2.00	4.12	
Toluene*	<0.050	0.050	07/08/2020	ND	1.88	94.1	2.00	4.33	
Ethylbenzene*	<0.050	0.050	07/08/2020	ND	1.91	95.5	2.00	4.49	
Total Xylenes*	<0.150	0.150	07/08/2020	ND	5.53	92.2	6.00	4.41	
Total BTEX	<0.300	0.300	07/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	07/08/2020	ND	448	112	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2020	ND	171	85.6	200	0.335	
DRO >C10-C28*	20.2	10.0	07/08/2020	ND	165	82.6	200	1.16	
EXT DRO >C28-C36	<10.0	10.0	07/08/2020	ND					
Surrogate: 1-Chlorooctane	77.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.8	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 07/07/2020 Sampling Date: 07/06/2020

Reported: 07/13/2020 Sampling Type: Soil

Project Name: EAU K14 Sampling Condition: Cool & Intact
Project Number: EXCAVATION SAMPLES Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: NONE GIVEN

ma/ka

### Sample ID: EB 5 (H001776-11)

RTFY 8021R

BIEX 8021B	mg	/ kg	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2020	ND	1.86	93.1	2.00	4.12	
Toluene*	<0.050	0.050	07/08/2020	ND	1.88	94.1	2.00	4.33	
Ethylbenzene*	<0.050	0.050	07/08/2020	ND	1.91	95.5	2.00	4.49	
Total Xylenes*	<0.150	0.150	07/08/2020	ND	5.53	92.2	6.00	4.41	
Total BTEX	<0.300	0.300	07/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	255	16.0	07/08/2020	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	07/08/2020	ND	171	85.6	200	0.335	
DRO >C10-C28*	389	10.0	07/08/2020	ND	165	82.6	200	1.16	
EXT DRO >C28-C36	53.1	10.0	07/08/2020	ND					
Surrogate: 1-Chlorooctane	69.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	85.4	% 42.2-15	6						

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### Analytical Results For:

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

Received: 07/07/2020 Sampling Date: 07/06/2020

Reported: 07/13/2020 Sampling Type: Soil

Project Name: EAU K14 Sampling Condition: Cool & Intact Sample Received By: Project Number: **EXCAVATION SAMPLES** Tamara Oldaker

Project Location: NONE GIVEN

### Sample ID: EB 6 (H001776-12)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2020	ND	1.86	93.1	2.00	4.12	
Toluene*	<0.050	0.050	07/08/2020	ND	1.88	94.1	2.00	4.33	
Ethylbenzene*	<0.050	0.050	07/08/2020	ND	1.91	95.5	2.00	4.49	
Total Xylenes*	<0.150	0.150	07/08/2020	ND	5.53	92.2	6.00	4.41	
Total BTEX	<0.300	0.300	07/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	07/08/2020	ND	448	112	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/08/2020	ND	171	85.6	200	0.335	
DRO >C10-C28*	222	10.0	07/08/2020	ND	165	82.6	200	1.16	
EXT DRO >C28-C36	23.3	10.0	07/08/2020	ND					
Surrogate: 1-Chlorooctane	71.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	83.9	% 42.2-15	6						

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

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene

Relinquished By:

MES

Time 35

Received By:

7-7-20

Phone Result: Fax Result: REMARKS:

□ Yes

No No

Add'l Phone #: Add'l Fax #:

Date: Time:



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Sample Condition
Cool Intact
Tes Tes
No No

CHECKED BY: (Initials)

Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

2 Ach robbins@rysoil.solutions



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

(010) 000-2020 1700 (010)	0) 000 = 10		
Company Name: RXSOIL		8/11.10	ANALIGIO DEGOLO:
Project Manager: HAYES ADAMS		P.O. #:	
Address:		company: RXSOIL	
	State: Zip:	Attn:	
le #:	Fax #:	Address:	
	Project Owner:	City:	
Project Name: EAU K14		State: Zip:	
Project Location: EXCAVATION SAMPLES	OLES	Phone #:	
Sampler Name: HAYES ADAMS		Fax #:	
$\neg$	MATRIX	PRESERV. SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE	ETPH BTEX
0 EB4	×	×	×
// EB5	Q	×	×
IZ EB6	Ω 	×	× × ×
요문합크	's exclusive letting for any value along whether such characters were the second within 30 days after completion of the use whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the ental damages, including without initiation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiarie ental damages, including without initiation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiarie senting with the profits of the second control of the	nd received by Cardinal within 30 days after complet s, loss of use, or loss of profits incurred by cilent, its s n is based upon any of the above stated reasons or c	plicable
Relinquished By:  11 MYES ADVAMS	Time; 35 Received By:	Phon Fax F REMI	Phone Result:
Relinquished By:	Time:		
Delivered By: (Circle One)	Sample Condition Cool Intact	(Initials)	
Sampler - UPS - Bus - Other: /	1 #13 Tres Fres	os Ac	



August 11, 2020

**ZACH ROBBINS** 

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: K - 14

Enclosed are the results of analyses for samples received by the laboratory on 08/05/20 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Received: 08/05/2020

Reported: 08/11/2020

Project Name: K - 14

Project Name: K - 14
Project Number: FINAL - V1
Project Location: NONE GIVEN

Sampling Date: 08/05/2020

Sampling Type: Soil

Sampling Condition: \*\* (See Notes)
Sample Received By: Tamara Oldaker

### Sample ID: A 1 (H002030-01)

BTEX 8021B	mg,	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2020	ND	1.79	89.7	2.00	3.17	
Toluene*	0.463	0.050	08/06/2020	ND	1.82	91.0	2.00	3.28	
Ethylbenzene*	<0.050	0.050	08/06/2020	ND	1.83	91.7	2.00	3.60	
Total Xylenes*	13.6	0.150	08/06/2020	ND	5.37	89.5	6.00	3.40	
Total BTEX	14.1	0.300	08/06/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	236	% 73.3-12	9						
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	08/06/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	38.4	10.0	08/06/2020	ND	202	101	200	1.49	
DRO >C10-C28*	395	10.0	08/06/2020	ND	206	103	200	0.423	
EXT DRO >C28-C36	67.3	10.0	08/06/2020	ND					
Surrogate: 1-Chlorooctane	97.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	108	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



### Analytical Results For:

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

 Received:
 08/05/2020
 Sampling Date:
 08/05/2020

 Reported:
 08/11/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: FINAL - V1 Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

### Sample ID: A 4 (H002030-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.090	0.050	08/06/2020	ND	1.79	89.7	2.00	3.17	
Toluene*	0.422	0.050	08/06/2020	ND	1.82	91.0	2.00	3.28	
Ethylbenzene*	2.79	0.050	08/06/2020	ND	1.83	91.7	2.00	3.60	
Total Xylenes*	10.7	0.150	08/06/2020	ND	5.37	89.5	6.00	3.40	
Total BTEX	14.0	0.300	08/06/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	209	% 73.3-12	9						
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	08/06/2020	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	17.1	10.0	08/06/2020	ND	202	101	200	1.49	
DRO >C10-C28*	95.8	10.0	08/06/2020	ND	206	103	200	0.423	
EXT DRO >C28-C36	14.9	10.0	08/06/2020	ND					
Surrogate: 1-Chlorooctane	94.5	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	98.3	% 42.2-15	6						

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Celey D. Keine



### Analytical Results For:

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

 Received:
 08/05/2020
 Sampling Date:
 08/05/2020

 Reported:
 08/11/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: FINAL - V1 Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

### Sample ID: B 1 (H002030-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	08/06/2020	ND	1.79	89.7	2.00	3.17	
Toluene*	1.82	0.200	08/06/2020	ND	1.82	91.0	2.00	3.28	
Ethylbenzene*	7.23	0.200	08/06/2020	ND	1.83	91.7	2.00	3.60	
Total Xylenes*	34.2	0.600	08/06/2020	ND	5.37	89.5	6.00	3.40	
Total BTEX	43.2	1.20	08/06/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	152	% 73.3-12	9						
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	08/06/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	168	10.0	08/06/2020	ND	202	101	200	1.49	
DRO >C10-C28*	1440	10.0	08/06/2020	ND	206	103	200	0.423	
EXT DRO >C28-C36	222	10.0	08/06/2020	ND					
Surrogate: 1-Chlorooctane	121	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	133	% 42.2-15	6						

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Celey D. Keine



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

### Analytical Results For:

RX-SOIL INC. **ZACH ROBBINS** 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102 Fax To: NA

Received: 08/05/2020 Sampling Date: 08/05/2020 Reported: 08/11/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes) Sample Received By: Project Number: FINAL - V1 Tamara Oldaker

NONE GIVEN Project Location:

### Sample ID: B 3 (H002030-04)

BTEX 8021B	mg/kg		Analyze	d By: MS					S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Benzene*	0.237	0.200	08/06/2020	ND	1.79	89.7	2.00	3.17			
Toluene*	5.08	0.200	08/06/2020	ND	1.82	91.0	2.00	3.28			
Ethylbenzene*	6.21	0.200	08/06/2020	ND	1.83	91.7	2.00	3.60			
Total Xylenes*	44.0	0.600	08/06/2020	ND	5.37	89.5	6.00	3.40			
Total BTEX	55.5	1.20	08/06/2020	ND							
Surrogate: 4-Bromofluorobenzene (PID	162	% 73.3-12	9								
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
Chloride	464	16.0	08/06/2020	ND	416	104	400	0.00			
TPH 8015M	mg,	/kg	Analyze	d By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10*	252	10.0	08/06/2020	ND	202	101	200	1.49			
DRO >C10-C28*	1100	10.0	08/06/2020	ND	206	103	200	0.423			
EXT DRO >C28-C36	170	10.0	08/06/2020	ND							
Surrogate: 1-Chlorooctane	129	% 44.3-14	4								
Surrogate: 1-Chlorooctadecane	129	% 42.2-15	6								

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 08/05/2020 Sampling Date: 08/05/2020

Reported: 08/11/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: FINAL - V1 Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

### Sample ID: C 2 (H002030-05)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/06/2020	ND	1.79	89.7	2.00	3.17	
Toluene*	<0.050	0.050	08/06/2020	ND	1.82	91.0	2.00	3.28	
Ethylbenzene*	<0.050	0.050	08/06/2020	ND	1.83	91.7	2.00	3.60	
Total Xylenes*	0.642	0.150	08/06/2020	ND	5.37	89.5	6.00	3.40	
Total BTEX	0.642	0.300	08/06/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	126	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	08/06/2020	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	08/06/2020	ND	202	101	200	1.49	
DRO >C10-C28*	52.1	10.0	08/06/2020	ND	206	103	200	0.423	
EXT DRO >C28-C36	19.9	10.0	08/06/2020	ND					
Surrogate: 1-Chlorooctane	89.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	94.9	% 42.2-15	6						

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Celey D. Keine



### Analytical Results For:

RX-SOIL INC. **ZACH ROBBINS** 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102

Fax To: NA

Received: 08/05/2020 Sampling Date: 08/05/2020 Reported: 08/11/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes) Sample Received By: Project Number: FINAL - V1 Tamara Oldaker

NONE GIVEN Project Location:

### Sample ID: C 3 (H002030-06)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.056	0.050	08/06/2020	ND	1.79	89.7	2.00	3.17	
Toluene*	1.05	0.050	08/06/2020	ND	1.82	91.0	2.00	3.28	
Ethylbenzene*	1.48	0.050	08/06/2020	ND	1.83	91.7	2.00	3.60	
Total Xylenes*	9.54	0.150	08/06/2020	ND	5.37	89.5	6.00	3.40	
Total BTEX	12.1	0.300	08/06/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	201	% 73.3-12	9						
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	08/06/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	22.1	10.0	08/06/2020	ND	202	101	200	1.49	
DRO >C10-C28*	88.4	10.0	08/06/2020	ND	206	103	200	0.423	
EXT DRO >C28-C36	11.8	10.0	08/06/2020	ND					
Surrogate: 1-Chlorooctane	97.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	101	% 42.2-15	6						

Surrogate: 1-Chlorooctadecane

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Celey D. Keene

S-04



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

### Analytical Results For:

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

 Received:
 08/05/2020
 Sampling Date:
 08/05/2020

 Reported:
 08/11/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: FINAL - V1 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: NONE GIVEN

ma/ka

### Sample ID: C 5 (H002030-07)

RTFY 8021R

B1EX 8021B	mg	/ <b>kg</b>	Anaiyze	а ву: м5					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.379	0.200	08/07/2020	ND	1.79	89.7	2.00	3.17	
Toluene*	0.829	0.200	08/07/2020	ND	1.82	91.0	2.00	3.28	
Ethylbenzene*	11.8	0.200	08/07/2020	ND	1.83	91.7	2.00	3.60	
Total Xylenes*	28.5	0.600	08/07/2020	ND	5.37	89.5	6.00	3.40	
Total BTEX	41.5	1.20	08/07/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	158	% 73.3-12	9						
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	08/06/2020	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	73.1	10.0	08/06/2020	ND	202	101	200	1.49	
DRO >C10-C28*	460	10.0	08/06/2020	ND	206	103	200	0.423	
EXT DRO >C28-C36	66.1	10.0	08/06/2020	ND					
Surrogate: 1-Chlorooctane	108	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	116	% 42.2-15	6						

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keine



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

### Analytical Results For:

RX-SOIL INC. **ZACH ROBBINS** 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102 Fax To: NA

Received: 08/05/2020 Sampling Date: 08/05/2020 Reported: 08/11/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes) Sample Received By: Project Number: FINAL - V1 Tamara Oldaker

NONE GIVEN Project Location:

### Sample ID: D 1 (H002030-08)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	08/07/2020	ND	1.79	89.7	2.00	3.17	
Toluene*	0.510	0.200	08/07/2020	ND	1.82	91.0	2.00	3.28	
Ethylbenzene*	6.39	0.200	08/07/2020	ND	1.83	91.7	2.00	3.60	
Total Xylenes*	22.6	0.600	08/07/2020	ND	5.37	89.5	6.00	3.40	
Total BTEX	29.5	1.20	08/07/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	135 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	08/06/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	106	10.0	08/06/2020	ND	202	101	200	1.49	
DRO >C10-C28*	578	10.0	08/06/2020	ND	206	103	200	0.423	
EXT DRO >C28-C36	80.8	10.0	08/06/2020	ND					
Surrogate: 1-Chlorooctane	111 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	120 9	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

 Received:
 08/05/2020
 Sampling Date:
 08/05/2020

 Reported:
 08/11/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: FINAL - V1 Sample Received By: Tamara Oldaker

Project Location: NONE GIVEN

### Sample ID: D 2 (H002030-09)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2020	ND	1.85	92.6	2.00	5.01	
Toluene*	0.240	0.050	08/07/2020	ND	1.85	92.4	2.00	5.17	
Ethylbenzene*	<0.050	0.050	08/07/2020	ND	1.84	92.2	2.00	5.33	
Total Xylenes*	4.86	0.150	08/07/2020	ND	5.29	88.1	6.00	5.30	
Total BTEX	5.10	0.300	08/07/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	182	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/06/2020	ND	432	108	400	7.69	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	68.7	10.0	08/07/2020	ND	203	102	200	2.39	
DRO >C10-C28*	832	10.0	08/07/2020	ND	210	105	200	1.06	QM-07
EXT DRO >C28-C36	115	10.0	08/07/2020	ND					
Surrogate: 1-Chlorooctane	109	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	115	% 42.2-15	6						

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S-04



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

### Analytical Results For:

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

 Received:
 08/05/2020
 Sampling Date:
 08/05/2020

 Reported:
 08/11/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: FINAL - V1 Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: NONE GIVEN

ma/ka

### Sample ID: D 4 (H002030-10)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.079	0.050	08/07/2020	ND	1.85	92.6	2.00	5.01	
Toluene*	0.353	0.050	08/07/2020	ND	1.85	92.4	2.00	5.17	
Ethylbenzene*	<0.050	0.050	08/07/2020	ND	1.84	92.2	2.00	5.33	
Total Xylenes*	5.00	0.150	08/07/2020	ND	5.29	88.1	6.00	5.30	
Total BTEX	5.43	0.300	08/07/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	193	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	08/06/2020	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	25.0	10.0	08/07/2020	ND	203	102	200	2.39	
DRO >C10-C28*	195	10.0	08/07/2020	ND	210	105	200	1.06	
EXT DRO >C28-C36	35.8	10.0	08/07/2020	ND					
Surrogate: 1-Chlorooctane	103	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	111	% 42.2-15	6						

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Celeg D. Freene



### Analytical Results For:

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

Received: 08/05/2020
Reported: 08/11/2020
Project Name: K - 14

Project Name: K - 14
Project Number: FINAL - V1
Project Location: NONE GIVEN

Sampling Date: 08/05/2020

Sampling Type: Soil

Sampling Condition: \*\* (See Notes)
Sample Received By: Tamara Oldaker

### Sample ID: E 2 (H002030-11)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.052	0.050	08/07/2020	ND	1.85	92.6	2.00	5.01	
Toluene*	0.586	0.050	08/07/2020	ND	1.85	92.4	2.00	5.17	
Ethylbenzene*	2.27	0.050	08/07/2020	ND	1.84	92.2	2.00	5.33	
Total Xylenes*	13.1	0.150	08/07/2020	ND	5.29	88.1	6.00	5.30	
Total BTEX	16.0	0.300	08/07/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	190	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	08/06/2020	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	19.1	10.0	08/07/2020	ND	203	102	200	2.39	
DRO >C10-C28*	107	10.0	08/07/2020	ND	210	105	200	1.06	
EXT DRO >C28-C36	17.3	10.0	08/07/2020	ND					
Surrogate: 1-Chlorooctane	92.7	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	97.2	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

RX-SOIL INC. **ZACH ROBBINS** 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102 Fax To: NA

Received: 08/05/2020 Sampling Date: 08/05/2020 Reported: 08/11/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes) Sample Received By: Tamara Oldaker Project Number: FINAL - V1

NONE GIVEN Project Location:

### Sample ID: E 3 (H002030-12)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.068	0.050	08/07/2020	ND	1.85	92.6	2.00	5.01	
Toluene*	0.506	0.050	08/07/2020	ND	1.85	92.4	2.00	5.17	
Ethylbenzene*	<0.050	0.050	08/07/2020	ND	1.84	92.2	2.00	5.33	
Total Xylenes*	11.3	0.150	08/07/2020	ND	5.29	88.1	6.00	5.30	
Total BTEX	11.9	0.300	08/07/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	213	% 73.3-12	19						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/06/2020	ND	432	108	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	34.9	10.0	08/07/2020	ND	203	102	200	2.39	
DRO >C10-C28*	331	10.0	08/07/2020	ND	210	105	200	1.06	
EXT DRO >C28-C36	51.1	10.0	08/07/2020	ND					
Surrogate: 1-Chlorooctane	104	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	114	% 42.2-15	6						

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Celey D. Keene



### Analytical Results For:

RX-SOIL INC. **ZACH ROBBINS** 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102 Fax To: NA

Received: 08/05/2020 Sampling Date: 08/05/2020 Reported: 08/11/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes) Sample Received By: Project Number: FINAL - V1 Tamara Oldaker

NONE GIVEN Project Location:

### Sample ID: E 4 (H002030-13)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/07/2020	ND	1.85	92.6	2.00	5.01	
Toluene*	<0.050	0.050	08/07/2020	ND	1.85	92.4	2.00	5.17	
Ethylbenzene*	<0.050	0.050	08/07/2020	ND	1.84	92.2	2.00	5.33	
Total Xylenes*	<0.150	0.150	08/07/2020	ND	5.29	88.1	6.00	5.30	
Total BTEX	<0.300	0.300	08/07/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	08/06/2020	ND	432	108	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/07/2020	ND	203	102	200	2.39	
DRO >C10-C28*	28.5	10.0	08/07/2020	ND	210	105	200	1.06	
EXT DRO >C28-C36	<10.0	10.0	08/07/2020	ND					
Surrogate: 1-Chlorooctane	97.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	102 9	6 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager

S-06



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

### **Notes and Definitions**

The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or

3-00	matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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Celeg D. Freene



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(5/5) 393-2326 FAA (3/3) 353-24/6	4/0			-/ ()
Company Name: XXC		BILL TO	ANA	ANALYSIS REQUEST
Project Manager: ZACH ROBBIALS	P.O.	0. #:		
Address:	Col	Company:		
City: State:	Zip: Attn:	ה:	>	35.1
Phone #: 210 - 400-764 < Fax #:	Adı	Address:	00	
	r: City:	y:	50	
Project Name: 🔨 🔾	State:	ate: Zip:	٢.	
Project Location: Time - ()	Ph	Phone #:	(	
Sampler Name: Zuch Rolbins	Fax	Fax #:	3	
	MATRIX	PRESERV. SAMPLING	ol e	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER:	Chlon TPH BTEX	
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	nt's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for th quase whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the quaste whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the quasted damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries of receives homeometric the Cardinal regardless of whether such claim is based upon any of the above stated reasons or otherwises.	rt, shall be limited to the amount paid be eived by Cardinal within 30 days after or of use, or loss of profits incurred by clien sed upon any of the above stated reason	y the client for the omplicable ompletion of the applicable nt. its subsidiaries, one or otherwise.	
Relinquished By: Date:	Received By:	MIN	ult: □ Yes □ No are emailed. Please prov	Add'  Phone #:  ide Email address:
Time: +: 2000	Municipal &	Silver of		F6
Relinquished By:  Date:  Time:	Received By:		REMARKS:	
Delivered By: (Circle One) Observed Temp. °C	10,7 Sar	CHECKED BY: (Initials)	Turnaround Time: Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other: Corrected Temp. °C	*****	4	Thermometer ID #113 Correction Factor None	No Corrected Temp. °C



Labora	oratories	<u>  </u>	CHAIN-OF-CUSTODY AND ANALYSIS REQUES
101 East Marland (575) 393-2326	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		
Company Name: アメミカイン		BILL TO	ANALYSIS REQUEST
2	SA/1880	P.O. #:	
Address:		Company:	
City:	State: Zip:	Attn:	
Phone #:	Fax #:	Address:	
Project #:	Project Owner:	City:	
Project Name: K/4		State: Zip:	.)
Project Location: Find		Phone #:	/50
Sampler Name: Zach	P. 82/25	Fax #:	
	MA	MATRIX PRESERV SAMPLING	
Lab I.D. Sample I.D.	G)RAB OR (C)OMP. CONTAINERS GROUNDWATER WASTEWATER	SLUDGE  OTHER:  ACID/BASE:  CE / COOL  OTHER:	TPH BTEX
E3 //	1	x 8/5/2	\$ X X X
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2000		-	
PLEASE NOTE: Liability and Damages. Cardinal's liability analyses. All claims including those for negligence and any service. In no event shall Cardinal be liable for incidental or	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, 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 consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries.	ed in contract or tort, shall be limited to the amount paid by t in writing and received by Cardinal within 30 days after con nterruptions, loss of use, or loss of profits incurred by client,	he client for the npeton of the applicable its subsidiaries,
Relinquished By:	mance of partices in the participation of the parti	Mary of the above search reason	All Results are emailed. Please provide Email address:
Relinquished By:	Time:  (1) 20 Ph  Date: Received By:	ma dellateral RI	
	Time:	(	
Delivered By: (Circle One)	Observed Temp. °C 10.7 Sample	n CHECKED BY: (Initials)	Turnaround Time: Standard Bacteria (only) Sample Condition  Cool Intact Observed Temp.
Sampler - UPS - Bus - Other:	Corrected Temp. °C • Yes [ No ]	Yes V.S.	Thermometer ID #113



August 28, 2020

**ZACH ROBBINS** 

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: K - 14

Enclosed are the results of analyses for samples received by the laboratory on 08/26/20 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

RX-SOIL INC.
ZACH ROBBINS
201 MAIN STREET, SUITE 1360
FORT WORTH TX, 76102

Fax To: NA

Received: 08/26/2020 Sampling Date: 08/26/2020

Reported: 08/28/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: APACHE K14 ( DELIN ) Sample Received By: Jodi Henson

Project Location: ARTESIA

### Sample ID: EB 1 4' (H002260-01)

TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1650	10.0	08/27/2020	ND	212	106	200	3.97	
DRO >C10-C28*	9900	10.0	08/27/2020	ND	224	112	200	1.95	
EXT DRO >C28-C36	1190	10.0	08/27/2020	ND					
Surrogate: 1-Chlorooctane	520 9	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	410 9	% 42.2-15	6						

### Sample ID: EB 1 5' (H002260-02)

TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/27/2020	ND	212	106	200	3.97	
DRO >C10-C28*	253	10.0	08/27/2020	ND	224	112	200	1.95	
EXT DRO >C28-C36	56.3	10.0	08/27/2020	ND					
Surrogate: 1-Chlorooctane	143 %	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	155 %	% 42.2-15	6						

### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

RX-SOIL INC.
ZACH ROBBINS
201 MAIN STREET, SUITE 1360
FORT WORTH TX, 76102

Fax To: NA

Received: 08/26/2020 Sampling Date: 08/26/2020

Reported: 08/28/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: APACHE K14 ( DELIN ) Sample Received By: Jodi Henson

Project Location: ARTESIA

### Sample ID: EB 2 8' (H002260-03)

TPH 8015M	mg/k	(g	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	130	10.0	08/27/2020	ND	212	106	200	3.97	
DRO >C10-C28*	1360	10.0	08/27/2020	ND	224	112	200	1.95	
EXT DRO >C28-C36	187	10.0	08/27/2020	ND					
Surrogate: 1-Chlorooctane	148 %	6 44.3-14	4						
Surrogate: 1-Chlorooctadecane	157 %	42.2-15	6						

### Sample ID: EB 2 10' (H002260-04)

TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	69.6	10.0	08/28/2020	ND	212	106	200	3.97	
DRO >C10-C28*	443	10.0	08/28/2020	ND	224	112	200	1.95	
EXT DRO >C28-C36	56.9	10.0	08/28/2020	ND					
Surrogate: 1-Chlorooctane	133	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	139	% 42.2-15	6						

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### Analytical Results For:

RX-SOIL INC.
ZACH ROBBINS
201 MAIN STREET, SUITE 1360
FORT WORTH TX, 76102

Fax To: NA

Received: 08/26/2020 Sampling Date: 08/26/2020

Reported: 08/28/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: APACHE K14 ( DELIN ) Sample Received By: Jodi Henson

Project Location: ARTESIA

### Sample ID: EB 2 11' (H002260-05)

TPH 8015M	mg/l	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2270	10.0	08/28/2020	ND	212	106	200	3.97	
DRO >C10-C28*	9550	10.0	08/28/2020	ND	224	112	200	1.95	
EXT DRO >C28-C36	1190	10.0	08/28/2020	ND					
Surrogate: 1-Chlorooctane	528 %	6 44.3-14	4						
Surrogate: 1-Chlorooctadecane	366 %	6 42.2-15	6						

### Sample ID: EB 5 7' (H002260-06)

TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	28.1	10.0	08/28/2020	ND	212	106	200	3.97	
DRO >C10-C28*	481	10.0	08/28/2020	ND	224	112	200	1.95	
EXT DRO >C28-C36	114	10.0	08/28/2020	ND					
Surrogate: 1-Chlorooctane	123 %	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	130 %	% 42.2-15	6						

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### Analytical Results For:

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

Received: 08/26/2020 Sampling Date: 08/26/2020

Reported: 08/28/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: APACHE K14 ( DELIN ) Sample Received By: Jodi Henson

Project Location: ARTESIA

### Sample ID: EB 6 7' (H002260-07)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	08/28/2020	ND	416	104	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	08/28/2020	ND	212	106	200	3.97	
DRO >C10-C28*	<10.0	10.0	08/28/2020	ND	224	112	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	08/28/2020	ND					
Surrogate: 1-Chlorooctane	137	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	142	% 42.2-15	6						

### Sample ID: EB 6 8' (H002260-08)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/28/2020	ND	416	104	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		08/28/2020	ND	212	106	200	3.97	
DRO >C10-C28*	<10.0 10.0		08/28/2020	ND	224	112	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	08/28/2020	ND					
Surrogate: 1-Chlorooctane	135	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	142	% 42.2-15	6						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 08/26/2020 Sampling Date: 08/26/2020

Reported: 08/28/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: APACHE K14 ( DELIN ) Sample Received By: Jodi Henson

Project Location: ARTESIA

### Sample ID: EB 6 9' (H002260-09)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/28/2020	ND	416	104	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		08/28/2020	ND	212	106	200	3.97	
DRO >C10-C28*	<10.0 10.0		08/28/2020	ND	224	112	200	1.95	
EXT DRO >C28-C36	<10.0	10.0	08/28/2020	ND					
Surrogate: 1-Chlorooctane	141	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	147	% 42.2-15	6						

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Celeg & Keene



### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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

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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Page 8 of 8

### ARDINAL aboratories

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

<b>+</b>	her:	Delivered By: (Circle One) Observed Temp. °C		Relinguished By:  Date:	Time:	Relinquisned By:	affiliates or successors arising out of or related to the performance of services hereunder by	analyses. All claims including those for negligence and any other cause whatsoever shall be senion in a country bell Continue to the first of the fi	PLEASE NOTE: Liability and Damades. Cardinal's liability and client's exclusive remody for			W	してるの。	7 6 6 7	でいると	 <u>त</u> हु अ		8	HODOWO	Lab I.D. Sample I.D.		FOR LAB USE ONLY	Sampler Name:	Project Location: Delin	Project Name: Apache KIH	Project #: Project Owner:	Phone #: Fax #:	City: State:	Address:	Project Manager: Zoeh Robbyns	Company Name: R Soil
Cardinal cannot accept verbal changes. Please email changes to celey.ke	Cool Intact Tyres Tyres No No	Sample Condition CHECKEDIBY:		Received By:	100 - 200 - 1		affiliates of 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.	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	controlling officing whother board is postered poster about the III. III. III. III.									X	# CON GROU WASTI SOIL OIL SLUDG OTHEF ACID/B ICE / C OTHEF	TAINEI NDWA EWATE  GE R: BASE: OOL	RS TER	MATRIX PRESERV. SAMPLING	Fax #:	Phone #:	State: Zip:	er: City:	Address:	Zip: Attn:	Company:	P.O. #:	BILL TO
ene@cardinallabsnm.com	Correction Factor None    Cool Infact Observed Temp. °C	1	REWARDS:	MADKO:	All Results are emailed. Please provide Email address:	Verbal Result: ☐ Yes ☐ No Add'I Phone #:	y client, its subsidiaries, reasons or otherwise.	client for the letion of the applicable		× ×	× ,×	×	· ×			<>>	× ,	52	TIME	24	rid		5								ANALYSIS REQUEST



September 09, 2020

HAYES ADAMS

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: K - 14

Enclosed are the results of analyses for samples received by the laboratory on 09/08/20 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Received: 09/08/2020
Reported: 09/09/2020
Project Name: K - 14

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 09/04/2020

Sampling Type: Soil

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

### Sample ID: A 1 (H002368-01)

BTEX 8021B	mg	'kg	Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.02	
Toluene*	0.276	0.050	09/08/2020	ND	2.12	106	2.00	5.20	
Ethylbenzene*	1.09	0.050	09/08/2020	ND	2.12	106	2.00	5.26	
Total Xylenes*	4.58	0.150	09/08/2020	ND	6.10	102	6.00	5.56	
Total BTEX	5.94	0.300	09/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	230	% 73.3-12	-129						
Chloride, SM4500CI-B	mg	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1040	16.0	09/08/2020	ND	432	108	400	3.77	
TPH 8015M	mg	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	17.5	10.0	09/08/2020	ND	171	85.5	200	11.8	
DRO >C10-C28*	227	10.0	09/08/2020	ND	191	95.7	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	09/08/2020	ND					
Surrogate: 1-Chlorooctane	75.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	77.3	% 42.2-15	6						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 09/08/2020 Reported: 09/09/2020

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 09/04/2020

Sampling Type: Soil

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

### Sample ID: A 2 (H002368-02)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.02	
Toluene*	0.198	0.050	09/08/2020	ND	2.12	106	2.00	5.20	
Ethylbenzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.26	
Total Xylenes*	3.73	0.150	09/08/2020	ND	6.10	102	6.00	5.56	
Total BTEX	3.93	0.300	09/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	204	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	960	16.0	09/08/2020	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12.5	10.0	09/08/2020	ND	171	85.5	200	11.8	
DRO >C10-C28*	151	10.0	09/08/2020	ND	191	95.7	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	09/08/2020	ND					
Surrogate: 1-Chlorooctane	84.6	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	90.1	% 42.2-15	6						

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Celey D. Keine



### Analytical Results For:

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

 Received:
 09/08/2020
 Sampling Date:
 09/04/2020

 Reported:
 09/09/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: LOCO HILLS Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: A 3 (H002368-03)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.02	
Toluene*	0.503	0.050	09/08/2020	ND	2.12	106	2.00	5.20	
Ethylbenzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.26	
Total Xylenes*	6.99	0.150	09/08/2020	ND	6.10	102	6.00	5.56	
Total BTEX	7.54	0.300	09/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	268	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	09/08/2020	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	32.7	10.0	09/08/2020	ND	171	85.5	200	11.8	
DRO >C10-C28*	355	10.0	09/08/2020	ND	191	95.7	200	6.96	
EXT DRO >C28-C36	20.7	10.0	09/08/2020	ND					
Surrogate: 1-Chlorooctane	92.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	98.9	% 42.2-15	6						

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Celey D. Keine



### Analytical Results For:

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

Received: 09/08/2020
Reported: 09/09/2020
Project Name: K - 14

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 09/04/2020

Sampling Type: Soil

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

### Sample ID: A 4 (H002368-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.02	
Toluene*	0.180	0.050	09/08/2020	ND	2.12	106	2.00	5.20	
Ethylbenzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.26	
Total Xylenes*	3.99	0.150	09/08/2020	ND	6.10	102	6.00	5.56	
Total BTEX	4.17	0.300	09/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	198	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	09/08/2020	ND	416	104	400	8.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2020	ND	171	85.5	200	11.8	
DRO >C10-C28*	138	10.0	09/08/2020	ND	191	95.7	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	09/08/2020	ND					
Surrogate: 1-Chlorooctane	82.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.7	% 42.2-15	6						
Surrogate: 1-Chlorooctane	82.8	% 44.3-14	4	-					

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Celey D. Keine



### Analytical Results For:

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

Received: 09/08/2020 Reported: 09/09/2020 Project Name: K - 14

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 09/04/2020

Sampling Type: Soil

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

### Sample ID: B 1 (H002368-05)

BTEX 8021B	mg/kg		Analyzed By: MS					S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	0.067	0.050	09/08/2020	ND	2.12	106	2.00	5.02		
Toluene*	0.388	0.050	09/08/2020	ND	2.12	106	2.00	5.20		
Ethylbenzene*	2.40	0.050	09/08/2020	ND	2.12	106	2.00	5.26		
Total Xylenes*	6.43	0.150	09/08/2020	ND	6.10	102	6.00	5.56		
Total BTEX	9.28	0.300	09/08/2020	ND						
Surrogate: 4-Bromofluorobenzene (PID	246	% 73.3-12	9							
Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	09/08/2020	ND	416	104	400	8.00		
TPH 8015M	mg	/kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	77.9	10.0	09/08/2020	ND	171	85.5	200	11.8		
DRO >C10-C28*	790	10.0	09/08/2020	ND	191	95.7	200	6.96		
EXT DRO >C28-C36	102	10.0	09/08/2020	ND						
Surrogate: 1-Chlorooctane	93.0	% 44.3-14	4							
Surrogate: 1-Chlorooctadecane	110	% 42.2-15	6							

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

C-04



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

### Analytical Results For:

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

Received: 09/08/2020 Reported: 09/09/2020

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

ma/ka

Sampling Date: 09/04/2020

Sampling Type: Soil

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

Sample ID: B 2 (H002368-06)

RTFY 8021R

B1EX 8021B	mg,	кд	Anaiyze	а ву: мѕ					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.02	
Toluene*	0.255	0.050	09/08/2020	ND	2.12	106	2.00	5.20	
Ethylbenzene*	1.21	0.050	09/08/2020	ND	2.12	106	2.00	5.26	
Total Xylenes*	4.13	0.150	09/08/2020	ND	6.10	102	6.00	5.56	
Total BTEX	5.59	0.300	09/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	211 9	73.3-12	9						
Chloride, SM4500CI-B	mg,	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	09/08/2020	ND	416	104	400	8.00	
TPH 8015M	mg,	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	21.4	10.0	09/08/2020	ND	171	85.5	200	11.8	
DRO >C10-C28*	287	10.0	09/08/2020	ND	191	95.7	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	09/08/2020	ND					
Surrogate: 1-Chlorooctane	81.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	87.3	% 42.2-15	6						

Applyzod By: MC

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 09/08/2020 Reported: 09/09/2020

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 09/04/2020

Sampling Type: Soil

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

### Sample ID: B 3 (H002368-07)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.02	
Toluene*	0.198	0.050	09/08/2020	ND	2.12	106	2.00	5.20	
Ethylbenzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.26	
Total Xylenes*	3.69	0.150	09/08/2020	ND	6.10	102	6.00	5.56	
Total BTEX	3.89	0.300	09/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	207	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	09/08/2020	ND	416	104	400	8.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	18.4	10.0	09/08/2020	ND	171	85.5	200	11.8	
DRO >C10-C28*	247	10.0	09/08/2020	ND	191	95.7	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	09/08/2020	ND					
Surrogate: 1-Chlorooctane	88.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.6	% 42.2-15	6						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 09/08/2020 Reported: 09/09/2020

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 09/04/2020

Sampling Type: Soil

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

### Sample ID: B 4 (H002368-08)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.02	
Toluene*	0.397	0.050	09/08/2020	ND	2.12	106	2.00	5.20	
Ethylbenzene*	1.96	0.050	09/08/2020	ND	2.12	106	2.00	5.26	
Total Xylenes*	6.81	0.150	09/08/2020	ND	6.10	102	6.00	5.56	
Total BTEX	9.16	0.300	09/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	147	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	09/08/2020	ND	416	104	400	8.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	36.5	10.0	09/08/2020	ND	171	85.5	200	11.8	
DRO >C10-C28*	514	10.0	09/08/2020	ND	191	95.7	200	6.96	
EXT DRO >C28-C36	61.7	10.0	09/08/2020	ND					
Surrogate: 1-Chlorooctane	86.7	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	97.9	% 42.2-15	6						

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Celey D. Keine



### Analytical Results For:

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

 Received:
 09/08/2020

 Reported:
 09/09/2020

 Project Name:
 K - 14

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 09/04/2020

Sampling Type: Soil

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

### Sample ID: C 2 (H002368-09)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.02	
Toluene*	0.266	0.050	09/08/2020	ND	2.12	106	2.00	5.20	
Ethylbenzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.26	
Total Xylenes*	4.13	0.150	09/08/2020	ND	6.10	102	6.00	5.56	
Total BTEX	4.40	0.300	09/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	242	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	09/08/2020	ND	416	104	400	8.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	23.2	10.0	09/08/2020	ND	171	85.5	200	11.8	
DRO >C10-C28*	205	10.0	09/08/2020	ND	191	95.7	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	09/08/2020	ND					
Surrogate: 1-Chlorooctane	92.0	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	96.4	% 42.2-15	6						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 09/08/2020 Reported: 09/09/2020

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 09/04/2020

Sampling Type: Soil

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

### Sample ID: C 3 (H002368-10)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.02	
Toluene*	0.282	0.050	09/08/2020	ND	2.12	106	2.00	5.20	
Ethylbenzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.26	
Total Xylenes*	5.15	0.150	09/08/2020	ND	6.10	102	6.00	5.56	
Total BTEX	5.43	0.300	09/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	225	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	752	16.0	09/08/2020	ND	416	104	400	8.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12.3	10.0	09/08/2020	ND	171	85.5	200	11.8	
DRO >C10-C28*	135	10.0	09/08/2020	ND	191	95.7	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	09/08/2020	ND					
Surrogate: 1-Chlorooctane	92.1	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	97.7	% 42.2-15	6						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 09/08/2020 Reported: 09/09/2020 Project Name: K - 14

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 09/04/2020

Sampling Type: Soil

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

### Sample ID: C 4 (H002368-11)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.02	
Toluene*	0.114	0.050	09/08/2020	ND	2.12	106	2.00	5.20	
Ethylbenzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.26	
Total Xylenes*	2.85	0.150	09/08/2020	ND	6.10	102	6.00	5.56	
Total BTEX	2.96	0.300	09/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	188	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	09/08/2020	ND	416	104	400	8.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.1	10.0	09/08/2020	ND	171	85.5	200	11.8	
DRO >C10-C28*	144	10.0	09/08/2020	ND	191	95.7	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	09/08/2020	ND					
Surrogate: 1-Chlorooctane	91.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	96.1	% 42.2-15	6						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 09/08/2020 Reported: 09/09/2020

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 09/04/2020

Sampling Type:

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

Soil

### Sample ID: D 1 (H002368-12)

Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS           Benzene*         <0.050         0.050         09/08/2020         ND         2.12           Toluene*         0.253         0.050         09/08/2020         ND         2.12           Ethylbenzene*         <0.050         0.050         09/08/2020         ND         2.12           Total Xylenes*         4.79         0.150         09/08/2020         ND         6.10	% Recovery 106 106 106 102	True Value QC 2.00 2.00 2.00 6.00	5.02 5.20 5.26 5.56	Qualifier
Toluene*         0.253         0.050         09/08/2020         ND         2.12           Ethylbenzene*         <0.050         0.050         09/08/2020         ND         2.12	106 106	2.00 2.00	5.20 5.26	
Ethylbenzene* <0.050 0.050 09/08/2020 ND 2.12	106	2.00	5.26	
,				
<b>Total Xylenes*</b> 4.79 0.150 09/08/2020 ND 6.10	102	6.00	5.56	
<b>Total BTEX 5.05</b> 0.300 09/08/2020 ND				
Surrogate: 4-Bromofluorobenzene (PID 213 % 73.3-129				
Chloride, SM4500Cl-B mg/kg Analyzed By: AC				
Analyte Result Reporting Limit Analyzed Method Blank BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride 1010</b> 16.0 09/08/2020 ND 416	104	400	8.00	
TPH 8015M mg/kg Analyzed By: MS				
Analyte Result Reporting Limit Analyzed Method Blank BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b> 18.9 10.0 09/08/2020 ND 171	85.5	200	11.8	
<b>DRO &gt;C10-C28* 156</b> 10.0 09/08/2020 ND 191	95.7	200	6.96	
EXT DRO >C28-C36 <10.0 10.0 09/08/2020 ND				
Surrogate: 1-Chlorooctane 88.9 % 44.3-144				
Surrogate: 1-Chlorooctadecane 94.0 % 42.2-156				

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Celey D. Keine



### Analytical Results For:

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

 Received:
 09/08/2020
 Sampling Date:
 09/04/2020

 Reported:
 09/09/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: LOCO HILLS Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: D 2 (H002368-13)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.02	
Toluene*	0.165	0.050	09/08/2020	ND	2.12	106	2.00	5.20	
Ethylbenzene*	0.583	0.050	09/08/2020	ND	2.12	106	2.00	5.26	
Total Xylenes*	2.74	0.150	09/08/2020	ND	6.10	102	6.00	5.56	
Total BTEX	3.49	0.300	09/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	180	% 73.3-12	19						
Chloride, SM4500CI-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	09/08/2020	ND	416	104	400	8.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.9	10.0	09/08/2020	ND	171	85.5	200	11.8	
DRO >C10-C28*	115	10.0	09/08/2020	ND	191	95.7	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	09/08/2020	ND					
Surrogate: 1-Chlorooctane	85.6	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	89.8	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Received: 09/08/2020 Reported: 09/09/2020

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 09/04/2020

Sampling Type: Soil

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

### Sample ID: D 3 (H002368-14)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.02	
Toluene*	0.079	0.050	09/08/2020	ND	2.12	106	2.00	5.20	
Ethylbenzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.26	
Total Xylenes*	1.83	0.150	09/08/2020	ND	6.10	102	6.00	5.56	
Total BTEX	1.91	0.300	09/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	165	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	09/08/2020	ND	416	104	400	8.00	
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/08/2020	ND	171	85.5	200	11.8	
DRO >C10-C28*	112	10.0	09/08/2020	ND	191	95.7	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	09/08/2020	ND					
Surrogate: 1-Chlorooctane	90.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.6	% 42.2-15	6						

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 09/08/2020 Reported: 09/09/2020

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 09/04/2020

Sampling Type: Soil

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

### Sample ID: D 4 (H002368-15)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.02	
Toluene*	0.121	0.050	09/08/2020	ND	2.12	106	2.00	5.20	
Ethylbenzene*	<0.050	0.050	09/08/2020	ND	2.12	106	2.00	5.26	
Total Xylenes*	3.04	0.150	09/08/2020	ND	6.10	102	6.00	5.56	
Total BTEX	3.16	0.300	09/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	194	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	09/08/2020	ND	416	104	400	8.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	22.7	10.0	09/08/2020	ND	171	85.5	200	11.8	
DRO >C10-C28*	313	10.0	09/08/2020	ND	191	95.7	200	6.96	
EXT DRO >C28-C36	<10.0	10.0	09/08/2020	ND					
Surrogate: 1-Chlorooctane	91.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	102	% 42.2-15	6						

### Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

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

ecovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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Celeg D. Freene

### Page 18 of 19 101 East Marland, Hobbs, NM 88240

### (575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	1.5×0			*****	BILL TO	0		ANAI YSIS	REQUEST
roject Manager:				70	P.O. #:			- 1	
Address:				0	Company:				
City:		State:	Zip:	A	Attn:				
hone #:		Fax #:		ž	Address:				
roject#:		Project Owner:	ä	0	City:				
roject Name:	K-14			Ø	State: Zip:				
roject Location:	1000	Hill		70	#:				
Sampler Name:	Hay	ies Alans		n	Fax #:	,			
FOR LAB USE ONLY	0	, , , , ,	P	MATRIX	PRESERV.	SAMPLING			
Lab I.D.	Samp	Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS	GROUNDWATER WASTEWATER SOIL DIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER :	Choria TPH	btex		
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LEASE NOTE: Liability and Dat halyses. All claims including the rvice. In no event shall Cardina filiates or successors arising out	nages. Cardinal's liability se for negligence and a I be liable for incidental of or related to the perf	LEASE NUTE: Liability and Damages, Cardinal's liability and client's exclusive remedy for any claim raising whether based in contract or tort, shall be limited to the amount paid by the client for the ralyses. All claims including those for negligence and any other cause whatsoever shall be deemed waved unless made in writing and received by Cardinal whitin 30 days, after completion of the privace. In no event shall Cardinal be liable for incidental or consequental damages, including whose the limited to the serior profits incurred by client, its subsidiaries, and the profit of the privace that research or otherwise.	any claim ari deemed wa ig without lin Cardinal, rec	sing whether based in contract or t ived unless made in writing and re- itation, business interruptions, loss tardless of whether such claim is b	ort, shall be limited to the arr seived by Cardinal within 30 of use, or loss of profits incu	LEASE NUTE: Liability and Damäges. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the ralyses. All claims including those for negligence and any other cause whistoever shall be deemed waived unless made in writing and received by Cardinal whitin 30 days after completion of the applicable profes. In no event shall Cardinal be liable for incidental or consequental damages, including whiten tilmitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, fillates or successors arising out of or related to the performance of services therunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.			
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May Mar	7		_	Jamora		All Results are emaile	d. Please pro	iled. Please provide Email address:	<b>56</b> :
Relinquished By:		Date:	Rece	Received By:	June	REMARKS:			
		Time:							
Delivered By: (Circle One)	One)	Observed Temp. °C	-6.8		유	f: Turnaround Time:	Standard	Bacteria	Bacteria (only) Sample Condition
Sampler - UPS - Bus	Bus - Other:	Corrected Temp. °C		Yes - Yes	d (initials)	Thermometer ID #113	Kush		Ó
- CKIVI-000 K 3	. 1 00/04/20			- Br				L NO	No Corrected Temp. "C



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: (k 50)	2.		BILL TO	ANALYSIS REQUEST
Project Manager:		פּק	P.O. #:	
Address:		O	Company:	
City:	State:	Zip: A	Attn:	
Phone #:	Fax #:	A	Address:	
Project #:	Project Owner:	C	City:	
Project Name: K-/4		S	State: Zip:	
Project Location: Laco	2/11/4 0	P	Phone #:	
Sampler Name: Hayes		F	Fax #:	•
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	
Lab I.D. Sa	Sample I.D.	WATER		hlori TPH tex
€.		(G)RAB C # CONTA GROUND WASTEW SOIL OIL SLUDGE OTHER:	ACID/BASICE / COC OTHER :	-
12 12				
12 02	Đ			
15 21				
analyses. All claims including those for negligence and any other cause whatsourer shall be deemed whited unless made in whiting and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	e and any other cause whatsoever shall be di- idental or consequental damages, including the performance of services hereunder by Ca	remed waived unless made in writing and recemed waived unless made in writing and receithout limitation, business interruptions, loss:  dinal, regardless of whether such claim is be	selved by Cardinal within 30 days after of the control of the cont	y ure cueri, tor tre completion of the applicable nf. its subsidiaries, ions of otherwise.
Relinquished By:	Date:	Received By:	011111	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Bound Report of	Makel	REMARKS:
	Time:		(	
Delivered By: (Circle One)	Observed Temp. °C - 6.8	Sampl	CHECKED BY: (Initials)	Turnaround Time: Standard Bacteria (only) Sample Condition  Rush Cool Intact Observed Temp °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C	□ Yes □ Yes □ No □ No	7.	[

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



November 04, 2020

HAYES ADAMS

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: K - 14

Enclosed are the results of analyses for samples received by the laboratory on 10/28/20 15:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Received: 10/28/2020
Reported: 11/04/2020
Project Name: K. 14

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 10/28/2020

Sampling Type: Soil

Sampling Condition: \*\* (See Notes)
Sample Received By: Jodi Henson

### Sample ID: A1 (H002861-01)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2020	ND	1.85	92.5	2.00	16.7	
Toluene*	0.098	0.050	10/29/2020	ND	1.76	88.0	2.00	17.5	GC-NC1
Ethylbenzene*	1.62	0.050	10/29/2020	ND	1.74	87.0	2.00	17.0	GC-NC1, QM-07
Total Xylenes*	0.915	0.150	10/29/2020	ND	4.98	83.0	6.00	16.6	GC-NC1
Total BTEX	2.63	0.300	10/29/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	154	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	768	16.0	10/29/2020	ND	464	116	400	3.51	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	18.8	10.0	10/29/2020	ND	218	109	200	0.822	
DRO >C10-C28*	290	10.0	10/29/2020	ND	206	103	200	2.21	
EXT DRO >C28-C36	35.1	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	91.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	92.8	% 42.2-15	6						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 10/28/2020 Reported: 11/04/2020 Project Name: K - 14

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 10/28/2020

Sampling Type:

Sampling Condition: \*\* (See Notes)
Sample Received By: Jodi Henson

Soil

### Sample ID: A2 (H002861-02)

BTEX 8021B	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2020	ND	1.85	92.5	2.00	16.7	
Toluene*	0.096	0.050	10/29/2020	ND	1.76	88.0	2.00	17.5	GC-NC1
Ethylbenzene*	1.41	0.050	10/29/2020	ND	1.74	87.0	2.00	17.0	GC-NC1
Total Xylenes*	0.815	0.150	10/29/2020	ND	4.98	83.0	6.00	16.6	GC-NC1
Total BTEX	2.32	0.300	10/29/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	153	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	10/29/2020	ND	464	116	400	3.51	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.2	10.0	10/29/2020	ND	218	109	200	0.822	
DRO >C10-C28*	125	10.0	10/29/2020	ND	206	103	200	2.21	
EXT DRO >C28-C36	10.9	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	93.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	90.8	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keine



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

### Analytical Results For:

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

Received: 10/28/2020 Reported: 11/04/2020

Project Name: K - 14 Project Number: LOCO HILLS Project Location: **ARTESIA** 

Sampling Date: 10/28/2020

Sampling Type: Soil

Sampling Condition: \*\* (See Notes) Sample Received By: Jodi Henson

### Sample ID: A3 (H002861-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2020	ND	1.85	92.5	2.00	16.7	
Toluene*	0.154	0.050	10/29/2020	ND	1.76	88.0	2.00	17.5	GC-NC1
Ethylbenzene*	2.31	0.050	10/29/2020	ND	1.74	87.0	2.00	17.0	GC-NC1
Total Xylenes*	1.31	0.150	10/29/2020	ND	4.98	83.0	6.00	16.6	GC-NC1
Total BTEX	3.77	0.300	10/29/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	173 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	10/29/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	20.0	10.0	10/29/2020	ND	218	109	200	0.822	
DRO >C10-C28*	243	10.0	10/29/2020	ND	206	103	200	2.21	
EXT DRO >C28-C36	27.0	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	101 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.4	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celecy D. Keene

Celey D. Keene, Lab Director/Quality Manager

S-04



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

10/28/2020

Soil

### Analytical Results For:

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

Received: 10/28/2020 Sampling Date: Reported: 11/04/2020 Sampling Type:

mg/kg

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: LOCO HILLS Sample Received By: Jodi Henson
Project Location: ARTESIA

Sample ID: A4 (H002861-04)

BTEX 8021B

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2020	ND	1.85	92.5	2.00	16.7	
Toluene*	0.199	0.050	10/29/2020	ND	1.76	88.0	2.00	17.5	GC-NC1
Ethylbenzene*	2.76	0.050	10/29/2020	ND	1.74	87.0	2.00	17.0	GC-NC1
Total Xylenes*	0.651	0.150	10/29/2020	ND	4.98	83.0	6.00	16.6	GC-NC1
Total BTEX	3.61	0.300	10/29/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	182 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	848	16.0	10/29/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	20.6	10.0	10/29/2020	ND	218	109	200	0.822	
DRO >C10-C28*	229	10.0	10/29/2020	ND	206	103	200	2.21	

ND

10/29/2020

Analyzed By: MS

Surrogate: 1-Chlorooctane 99.0 % 44.3-144
Surrogate: 1-Chlorooctadecane 97.9 % 42.2-156

23.3

10.0

Cardinal Laboratories \*=Accredited Analyte

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Celeg & Freene

Celey D. Keene, Lab Director/Quality Manager

**EXT DRO > C28 - C36** 



### Analytical Results For:

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

Received: 10/28/2020 Reported: 11/04/2020

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 10/28/2020

Sampling Type: Soil

Sampling Condition: \*\* (See Notes)
Sample Received By: Jodi Henson

### Sample ID: C1 (H002861-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2020	ND	1.85	92.5	2.00	16.7	
Toluene*	0.057	0.050	10/29/2020	ND	1.76	88.0	2.00	17.5	GC-NC1
Ethylbenzene*	1.06	0.050	10/29/2020	ND	1.74	87.0	2.00	17.0	GC-NC1
Total Xylenes*	0.621	0.150	10/29/2020	ND	4.98	83.0	6.00	16.6	GC-NC1
Total BTEX	1.74	0.300	10/29/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	146	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/29/2020	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	218	109	200	0.822	
DRO >C10-C28*	109	10.0	10/29/2020	ND	206	103	200	2.21	
EXT DRO >C28-C36	10.8	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	99.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.8	% 42.2-15	6						

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Celey D. Keine



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### Analytical Results For:

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

Received: 10/28/2020 Sampling Date: 10/28/2020

Reported: 11/04/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes) Sample Received By: Project Number: LOCO HILLS Jodi Henson

Project Location: **ARTESIA** 

### Sample ID: C2 (H002861-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.055	0.050	10/29/2020	ND	1.85	92.5	2.00	16.7	
Toluene*	0.243	0.050	10/29/2020	ND	1.76	88.0	2.00	17.5	GC-NC1
Ethylbenzene*	1.01	0.050	10/29/2020	ND	1.74	87.0	2.00	17.0	GC-NC1
Total Xylenes*	3.09	0.150	10/29/2020	ND	4.98	83.0	6.00	16.6	GC-NC1
Total BTEX	4.40	0.300	10/29/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	188 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	10/29/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	25.1	10.0	10/29/2020	ND	218	109	200	0.822	
DRO >C10-C28*	280	10.0	10/29/2020	ND	206	103	200	2.21	
EXT DRO >C28-C36	28.4	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	98.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.5	% 42.2-15	6						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 10/28/2020 Reported: 11/04/2020 Project Name: K - 14

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 10/28/2020

Sampling Type: Soil

Sampling Condition: \*\*\* (See Notes)
Sample Received By: Jodi Henson

### Sample ID: C3 (H002861-07)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2020	ND	1.85	92.5	2.00	16.7	
Toluene*	0.158	0.050	10/29/2020	ND	1.76	88.0	2.00	17.5	GC-NC1
Ethylbenzene*	2.51	0.050	10/29/2020	ND	1.74	87.0	2.00	17.0	GC-NC1
Total Xylenes*	1.27	0.150	10/29/2020	ND	4.98	83.0	6.00	16.6	GC-NC1
Total BTEX	3.94	0.300	10/29/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	183	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	10/29/2020	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	13.0	10.0	10/29/2020	ND	218	109	200	0.822	
DRO >C10-C28*	173	10.0	10/29/2020	ND	206	103	200	2.21	
EXT DRO >C28-C36	18.7	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	94.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.2	% 42.2-15	6						

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Celeg D. Freene



92.7 %

42.2-156

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### Analytical Results For:

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

Received: 10/28/2020 Sampling Date: 10/28/2020 Reported: 11/04/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes) Project Number: Sample Received By: LOCO HILLS Jodi Henson Project Location: **ARTESIA** 

Sample ID: C4 (H002861-08)

BTEX 8021B	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2020	ND	1.85	92.5	2.00	16.7	
Toluene*	0.168	0.050	10/29/2020	ND	1.76	88.0	2.00	17.5	GC-NC1
Ethylbenzene*	2.63	0.050	10/29/2020	ND	1.74	87.0	2.00	17.0	GC-NC1
Total Xylenes*	1.55	0.150	10/29/2020	ND	4.98	83.0	6.00	16.6	GC-NC1
Total BTEX	4.35	0.300	10/29/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	177 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	10/29/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	19.1	10.0	10/29/2020	ND	218	109	200	0.822	
DRO >C10-C28*	272	10.0	10/29/2020	ND	206	103	200	2.21	
EXT DRO >C28-C36	32.5	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	92.9	% 44.3-14	4						

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Celecy D. Keene

Celey D. Keene, Lab Director/Quality Manager

Surrogate: 1-Chlorooctadecane

S-04



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### Analytical Results For:

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

Received: 10/28/2020 Sampling Date: 10/28/2020

Reported: 11/04/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes) Project Number: Sample Received By: LOCO HILLS Jodi Henson

Applyzod By: MC

Project Location: **ARTESIA** 

ma/ka

### Sample ID: E1 (H002861-09)

RTFY 8021R

B1EX 8021B	mg,	/ kg	Anaiyze	a By: MS					5-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2020	ND	1.85	92.5	2.00	16.7	
Toluene*	0.053	0.050	10/29/2020	ND	1.76	88.0	2.00	17.5	GC-NC1
Ethylbenzene*	0.884	0.050	10/29/2020	ND	1.74	87.0	2.00	17.0	GC-NC1
Total Xylenes*	0.526	0.150	10/29/2020	ND	4.98	83.0	6.00	16.6	GC-NC1
Total BTEX	1.46	0.300	10/29/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	144	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	10/29/2020	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	218	109	200	0.822	
DRO >C10-C28*	154	10.0	10/29/2020	ND	206	103	200	2.21	
EXT DRO >C28-C36	19.4	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	98.2	% 44.3-14	4						
Surrogate: 1-Chloroctadecane	97.1	% 42.2-15	6						

Surrogate: 1-Chlorooctadecane 97.1 % 42.2-156

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Celecy D. Keene

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 10/28/2020 Reported: 11/04/2020

Project Name: K - 14 Project Number: LOCO HILLS Project Location: **ARTESIA** 

Sampling Date: 10/28/2020

Sampling Type: Soil

Sampling Condition: \*\* (See Notes) Sample Received By: Jodi Henson

### Sample ID: E2 (H002861-10)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2020	ND	1.85	92.5	2.00	16.7	
Toluene*	<0.050	0.050	10/29/2020	ND	1.76	88.0	2.00	17.5	GC-NC1
Ethylbenzene*	0.500	0.050	10/29/2020	ND	1.74	87.0	2.00	17.0	GC-NC1
Total Xylenes*	0.308	0.150	10/29/2020	ND	4.98	83.0	6.00	16.6	GC-NC1
Total BTEX	0.808	0.300	10/29/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	125 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/29/2020	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	10/29/2020	ND	218	109	200	0.822	
DRO >C10-C28*	58.4	10.0	10/29/2020	ND	206	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	94.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.1	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

 Received:
 10/28/2020
 Sampling Date:
 10/28/2020

 Reported:
 11/04/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: LOCO HILLS Sample Received By: Jodi Henson

Project Location: ARTESIA

### Sample ID: E3 (H002861-11)

BTEX 8021B	mg/kg		Analyzed By: MS						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2020	ND	1.85	92.5	2.00	16.7		
Toluene*	<0.050	0.050	10/29/2020	ND	1.76	88.0	2.00	17.5	GC-NC1	
Ethylbenzene*	0.870	0.050	10/29/2020	ND	1.74	87.0	2.00	17.0	GC-NC1	
Total Xylenes*	0.523	0.150	10/29/2020	ND	4.98	83.0	6.00	16.6	GC-NC1	
Total BTEX	1.39	0.300	10/29/2020	ND					GC-NC1	
Surrogate: 4-Bromofluorobenzene (PID	140	% 73.3-12	9							
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	10/29/2020	ND	416	104	400	3.77		
TPH 8015M	mg,	/kg	Analyze	ed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	218	109	200	0.822		
DRO >C10-C28*	75.6	10.0	10/29/2020	ND	206	103	200	2.21		
EXT DRO >C28-C36	<10.0	10.0	10/29/2020	ND						
Surrogate: 1-Chlorooctane	93.3	% 44.3-14	4							
Surrogate: 1-Chlorooctadecane	89.5	% 42.2-15	6							

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

S-04



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### Analytical Results For:

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

 Received:
 10/28/2020
 Sampling Date:
 10/28/2020

 Reported:
 11/04/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: LOCO HILLS Sample Received By: Jodi Henson

Analyzed By: MS

Project Location: ARTESIA

mg/kg

### Sample ID: E4 (H002861-12)

BTEX 8021B

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2020	ND	1.85	92.5	2.00	16.7	
Toluene*	0.053	0.050	10/29/2020	ND	1.76	88.0	2.00	17.5	GC-NC1
Ethylbenzene*	0.952	0.050	10/29/2020	ND	1.74	87.0	2.00	17.0	GC-NC1
Total Xylenes*	0.556	0.150	10/29/2020	ND	4.98	83.0	6.00	16.6	GC-NC1
Total BTEX	1.56	0.300	10/29/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	141	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	10/29/2020	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	218	109	200	0.822	
DRO >C10-C28*	81.4	10.0	10/29/2020	ND	206	103	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	95.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	92.2	% 42.2-15	6						

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### Analytical Results For:

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

Received: 10/28/2020 Reported: 11/04/2020 Project Name: K - 14

Project Number: LOCO HILLS Project Location: **ARTESIA** 

Sampling Date: 10/28/2020

Sampling Type: Soil

Sampling Condition: \*\* (See Notes) Sample Received By: Jodi Henson

Sample ID: G1 (H002861-13)

BTEX 8021B	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2020	ND	1.85	92.5	2.00	16.7	
Toluene*	0.110	0.050	10/29/2020	ND	1.76	88.0	2.00	17.5	GC-NC1
Ethylbenzene*	1.49	0.050	10/29/2020	ND	1.74	87.0	2.00	17.0	GC-NC1
Total Xylenes*	0.800	0.150	10/29/2020	ND	4.98	83.0	6.00	16.6	GC-NC1
Total BTEX	2.40	0.300	10/29/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	152 %	73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	10/29/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12.1	10.0	10/29/2020	ND	218	109	200	0.822	
DRO >C10-C28*	189	10.0	10/29/2020	ND	206	103	200	2.21	
EXT DRO >C28-C36	24.5	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	92.5	% 44.3-14	4						

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Surrogate: 1-Chlorooctadecane

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

91.0 %

42.2-156



### Analytical Results For:

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

Received: 10/28/2020 Reported: 11/04/2020

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 10/28/2020

Sampling Type: Soil

Sampling Condition: \*\* (See Notes)
Sample Received By: Jodi Henson

### Sample ID: G2 (H002861-14)

BTEX 8021B	mg/kg		Analyze	Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2020	ND	1.85	92.5	2.00	16.7	
Toluene*	<0.050	0.050	10/29/2020	ND	1.76	88.0	2.00	17.5	GC-NC1
Ethylbenzene*	0.491	0.050	10/29/2020	ND	1.74	87.0	2.00	17.0	GC-NC1
Total Xylenes*	0.303	0.150	10/29/2020	ND	4.98	83.0	6.00	16.6	GC-NC1
Total BTEX	0.794	0.300	10/29/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	125	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	10/29/2020	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	218	109	200	0.822	
DRO >C10-C28*	95.4	10.0	10/29/2020	ND	206	103	200	2.21	
EXT DRO >C28-C36	11.7	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	90.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.3	% 42.2-15	6						

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### Analytical Results For:

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

 Received:
 10/28/2020
 Sampling Date:
 10/28/2020

 Reported:
 11/04/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: LOCO HILLS Sample Received By: Jodi Henson

Analyzed By: MC

Project Location: ARTESIA

ma/ka

### Sample ID: G3 (H002861-15)

RTFY 8021R

BIEX 8021B	тд/кд		Analyzed By: MS					S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/29/2020	ND	1.85	92.5	2.00	16.7		
Toluene*	<0.050	0.050	10/29/2020	ND	1.76	88.0	2.00	17.5	GC-NC1	
Ethylbenzene*	0.812	0.050	10/29/2020	ND	1.74	87.0	2.00	17.0	GC-NC1	
Total Xylenes*	0.475	0.150	10/29/2020	ND	4.98	83.0	6.00	16.6	GC-NC1	
Total BTEX	1.29	0.300	10/29/2020	ND					GC-NC1	
Surrogate: 4-Bromofluorobenzene (PID	137	% 73.3-12	9							
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	10/29/2020	ND	416	104	400	3.77		
TPH 8015M	mg	/kg	Analyze	d By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	206	103	200	2.09		
DRO >C10-C28*	245	10.0	10/29/2020	ND	192	95.8	200	10.9	QM-07, QR-03	
EXT DRO >C28-C36	40.6	10.0	10/29/2020	ND						
Surrogate: 1-Chlorooctane	92.0	% 44.3-14	4							
Surrogate: 1-Chlorooctadecane	107	% 42.2-15	6							

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

 Received:
 10/28/2020
 Sampling Date:
 10/28/2020

 Reported:
 11/04/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: LOCO HILLS Sample Received By: Jodi Henson

Project Location: ARTESIA

### Sample ID: G4 (H002861-16)

BTEX 8021B	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2020	ND	1.85	92.5	2.00	16.7	
Toluene*	0.055	0.050	10/29/2020	ND	1.76	88.0	2.00	17.5	GC-NC1
Ethylbenzene*	0.923	0.050	10/29/2020	ND	1.74	87.0	2.00	17.0	GC-NC1
Total Xylenes*	0.532	0.150	10/29/2020	ND	4.98	83.0	6.00	16.6	GC-NC1
Total BTEX	1.51	0.300	10/29/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	140	% 73.3-12	9						
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	10/29/2020	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.4	10.0	10/29/2020	ND	206	103	200	2.09	
DRO >C10-C28*	240	10.0	10/29/2020	ND	192	95.8	200	10.9	
EXT DRO >C28-C36	19.7	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	87.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	94.5	% 42.2-15	6						

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10/28/2020

Soil

### Analytical Results For:

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

Received: 10/28/2020 Sampling Date: Reported: 11/04/2020 Sampling Type:

ma/ka

Project Name:K - 14Sampling Condition:\*\* (See Notes)Project Number:LOCO HILLSSample Received By:Jodi Henson

Applyzod By: MC

Project Location: ARTESIA

### Sample ID: I1 (H002861-17)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2020	ND	1.85	92.5	2.00	16.7	
Toluene*	<0.050	0.050	10/29/2020	ND	1.76	88.0	2.00	17.5	GC-NC1
Ethylbenzene*	0.558	0.050	10/29/2020	ND	1.74	87.0	2.00	17.0	GC-NC1
Total Xylenes*	0.350	0.150	10/29/2020	ND	4.98	83.0	6.00	16.6	GC-NC1
Total BTEX	0.908	0.300	10/29/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	126	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/29/2020	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	206	103	200	2.09	
DRO >C10-C28*	231	10.0	10/29/2020	ND	192	95.8	200	10.9	
EXT DRO >C28-C36	34.5	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	79.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	92.1	% 42.2-15	6						

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10/28/2020

Soil

### Analytical Results For:

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

Sampling Date:

Received: 10/28/2020 Reported: 11/04/2020

ma/ka

Sampling Type: Project Name: K - 14 Sampling Condition: \*\* (See Notes) Project Number: Sample Received By: LOCO HILLS Jodi Henson

Analyzed By: MC

Project Location: **ARTESIA** 

### Sample ID: I2 (H002861-18)

RTFY 8021R

B1EX 8021B	тд/кд		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/29/2020	ND	1.85	92.5	2.00	16.7	
Toluene*	<0.050	0.050	10/29/2020	ND	1.76	88.0	2.00	17.5	GC-NC1
Ethylbenzene*	0.656	0.050	10/29/2020	ND	1.74	87.0	2.00	17.0	GC-NC1
Total Xylenes*	0.950	0.150	10/29/2020	ND	4.98	83.0	6.00	16.6	GC-NC1
Total BTEX	1.61	0.300	10/29/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	130	% 73.3-12	9						
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	10/29/2020	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	206	103	200	2.09	
DRO >C10-C28*	245	10.0	10/29/2020	ND	192	95.8	200	10.9	
EXT DRO >C28-C36	50.6	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	90.6	% 44.3-14	4						
Surrogate: 1-Chloroctadecane	110	% 42.2-15	6						

Surrogate: 1-Chlorooctadecane 110 % 42.2-156

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### Analytical Results For:

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

Received: 10/28/2020 Reported: 11/04/2020

Project Name: K - 14 Project Number: LOCO HILLS Project Location: **ARTESIA** 

Sampling Date: 10/28/2020

Sampling Type: Soil

Sampling Condition: \*\* (See Notes) Sample Received By: Jodi Henson

### Sample ID: I3 (H002861-19)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2020	ND	1.99	99.3	2.00	1.20	
Toluene*	<0.050	0.050	10/30/2020	ND	1.91	95.3	2.00	1.78	GC-NC1
Ethylbenzene*	0.723	0.050	10/30/2020	ND	1.89	94.6	2.00	2.36	GC-NC1
Total Xylenes*	0.443	0.150	10/30/2020	ND	5.50	91.7	6.00	2.22	GC-NC1
Total BTEX	1.17	0.300	10/30/2020	ND					GC-NC1
Surrogate: 4-Bromofluorobenzene (PID	131 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	10/29/2020	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	206	103	200	2.09	
DRO >C10-C28*	204	10.0	10/29/2020	ND	192	95.8	200	10.9	
EXT DRO >C28-C36	33.0	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	93.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	112 9	% 42.2-15	6						

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### Analytical Results For:

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

Received: 10/28/2020 Reported: 11/04/2020

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 10/28/2020

Sampling Type: Soil

Sampling Condition: \*\* (See Notes)
Sample Received By: Jodi Henson

### Sample ID: I4 (H002861-20)

Analyte         Result Reporting Limit         Analyzed Analyzed         Method Blank BS (% Recovery)         True Value QC (7.00 RPD)         RPD           Benzene*         <0.050         0.050         10/30/2020         ND (1.99)         99.3         2.00         1.20           Toluene*         0.054         0.050         10/30/2020         ND (1.91)         95.3         2.00         1.78           Ethylbenzene*         1.07         0.050         10/30/2020         ND (1.89)         94.6         2.00         2.36           Total Xylenes*         0.656         0.150         10/30/2020         ND (5.50)         91.7         6.00         2.22           Total BTEX         1.78         0.300         10/30/2020         ND         5.50         91.7         6.00         2.22           Chloride, SM4500Cl-B         Mesult Reporting Limit Analyzed         Method Blank BS         % Recovery         True Value QC         RPD           Chloride         464         16.0         10/29/2020         ND         416         104         400         3.77           TPH 8015M         Result Reporting Limit Analyzed         Method Blank BS         % Recovery         True Value QC         RPD           GRO C6-C10*         <10.0<	BTEX 8021B	mg/kg		Analyzed By: MS						S-04	
Toluene*         0.054         0.050         10/30/2020         ND         1.91         95.3         2.00         1.78           Ethylbenzene*         1.07         0.050         10/30/2020         ND         1.89         94.6         2.00         2.36           Total Xylenes*         0.656         0.150         10/30/2020         ND         5.50         91.7         6.00         2.22           Total BTEX         1.78         0.300         10/30/2020         ND         ND	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Ethylbenzene*         1.07         0.050         10/30/2020         ND         1.89         94.6         2.00         2.36           Total Xylenes*         0.656         0.150         10/30/2020         ND         5.50         91.7         6.00         2.22           Total BTEX         1.78         0.300         10/30/2020         ND         ND         1.77         6.00         2.22           Chloride, SM4500Cl-B         mg/kg         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           Chloride         464         16.0         10/29/2020         ND         416         104         400         3.77           TPH 8015M         mg/kg         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*           Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*           10.0         10/29/2020         ND         206         103         200         2.09           DRO >C10-C28*         106         10.0         10/29/2020         ND         192         95.8         200 <td>Benzene*</td> <td>&lt;0.050</td> <td>0.050</td> <td>10/30/2020</td> <td>ND</td> <td>1.99</td> <td>99.3</td> <td>2.00</td> <td>1.20</td> <td></td>	Benzene*	<0.050	0.050	10/30/2020	ND	1.99	99.3	2.00	1.20		
Total Xylenes*         0.656         0.150         10/30/2020         ND         5.50         91.7         6.00         2.22           Total BTEX         1.78         0.300         10/30/2020         ND         5.50         91.7         6.00         2.22           Surrogate: 4-Bromofluorobenzene (PID         148 % 73.3-129           Chloride, SM4500Cl-B         mg /s         Analyzed By: GM           Analyte         Result         Reporting Limit         Analyzed By: MS         % Recovery         True Value QC         RPD           Chloride         464         16.0         10/29/2020         ND         416         104         400         3.77           TPH 8015M         mg/s         Analyzed By: MS           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         <10.0         10/29/2020         ND         206         103         200         2.09           DRO >C10-C28*         106         10.0         10/29/2020         ND         192         95.8         200         10.9           Surrogate:	Toluene*	0.054	0.050	10/30/2020	ND	1.91	95.3	2.00	1.78	GC-NC1	
Total BTEX         1.78         0.300         10/30/2020         ND           Surrogate: 4-Bromofluorobenzene (PID         148 %         73.3-129           Chloride, SM4500Cl-B         mg/ky         Analyzed By: GM           Analyte         Result         Reporting Limit         Analyzed Method Blank         BS         % Recovery         True Value QC         RPD           Chloride         464         16.0         10/29/2020         ND         416         104         400         3.77           TPH 8015M         mg/ky         Analyzed By: MS         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         < 10.0	Ethylbenzene*	1.07	0.050	10/30/2020	ND	1.89	94.6	2.00	2.36	GC-NC1	
Surrogate: 4-Bromofluorobenzene (PID         148 % 73.3-129           Chloride, SM4500Cl-B         mg/ky         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           Chloride         464         16.0         10/29/2020         ND         416         104         400         3.77           TPH 8015M         mg/ky         Analyzed By: MS           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         < 10.0	Total Xylenes*	0.656	0.150	10/30/2020	ND	5.50	91.7	6.00	2.22	GC-NC1	
Chloride, SM4500Cl-B         mg/kg         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           Chloride         464         16.0         10/29/2020         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           GRO C6-C10*         <10.0	Total BTEX	1.78	0.300	10/30/2020	ND					GC-NC1	
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD  Chloride 464 16.0 10/29/2020 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  GRO C6-C10* <10.0 10.0 10/29/2020 ND 206 103 200 2.09  DRO >C10-C28* 106 10.0 10/29/2020 ND 192 95.8 200 10.9  EXT DRO >C28-C36 15.9 10.0 10/29/2020 ND  Surrogate: 1-Chlorooctane 94.7 % 44.3-144	Surrogate: 4-Bromofluorobenzene (PID	148	% 73.3-12	9							
Chloride         464         16.0         10/29/2020         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           GRO C6-C10*         <10.0	Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM							
TPH 8015M         mg/s         Analyzed By: MS           Analyte         Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC         RPD           GRO C6-C10*         <10.0	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Analyte Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD  GRO C6-C10* <10.0 10.0 10/29/2020 ND 206 103 200 2.09  DRO >C10-C28* 106 10.0 10/29/2020 ND 192 95.8 200 10.9  EXT DRO >C28-C36 15.9 10.0 10/29/2020 ND  Surrogate: 1-Chlorooctane 94.7 % 44.3-144	Chloride	464	16.0	10/29/2020	ND	416	104	400	3.77		
GRO C6-C10* <10.0 10.0 10/29/2020 ND 206 103 200 2.09  DRO >C10-C28* 106 10.0 10/29/2020 ND 192 95.8 200 10.9  EXT DRO >C28-C36 15.9 10.0 10/29/2020 ND  Surrogate: 1-Chlorooctane 94.7% 44.3-144	TPH 8015M	mg,	/kg	Analyze	ed By: MS						
DRO >C10-C28*         106         10.0         10/29/2020         ND         192         95.8         200         10.9           EXT DRO >C28-C36         15.9         10.0         10/29/2020         ND         ND         V         <	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
EXT DRO >C28-C36 15.9 10.0 10/29/2020 ND  Surrogate: 1-Chlorooctane 94.7 % 44.3-144	GRO C6-C10*	<10.0	10.0	10/29/2020	ND	206	103	200	2.09		
Surrogate: 1-Chlorooctane 94.7 % 44.3-144	DRO >C10-C28*	106	10.0	10/29/2020	ND	192	95.8	200	10.9		
	EXT DRO >C28-C36	15.9	10.0	10/29/2020	ND						
Surrogate: 1-Chlorooctadecane 106 % 42.2-156	Surrogate: 1-Chlorooctane	94.7	% 44.3-14	4							
	Surrogate: 1-Chlorooctadecane	106	% 42.2-15	6							

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

## 101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

HDDD75661  OI A)  OR A3  OR A3  OR C3  OR C4  OR C3  OR C3  OR C4  OR C4  OR C4  OR C4  OR C4  OR C5  OR C5  OR C6  OR C7  OR C6  OR C6	HDDD75661  01 A)  02 A)  03 A)  04 B)  05 A)  06 C)  06 C)  07 C)  08 C)  08 C)  09 E)  00 E)	HDDD75661  OI A)  OR A3  OR A3	HD67861 01 A1 02 A3 07 C3 04 C1 06 C1 06 C1 07 C3 E1	4.00				HDB7861		Lab I.D. Sample I.D.	TOR LOD DOCUME.		1	en l	Project Name: K-1		Phone #: Fax #:	City: State:	Address:	Project Manager: Harcs Edans	Company Name: 6 x Sp
Received By:	1.50 May have	7/22 Redeived By:	PLEASE NOTE: Library and using the control of the applicable arralyses. All claims and received by Cardinal within 30 days after completion of the applicable arralyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal waith of the cause whatsoever shall be deemed without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service, in no event shall Cardinal be fieldle for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service, in no event shall Cardinal Cardinal be field to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	ont's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the				-	# CO GRO WAS SOIL OIL SLU OTH ACIE	DGE	ER R	MATRIX PRESERV. SAMPLING	Fax #:	Phone #:	State: Zip:	Project Owner: City:	#: Address:	ate: Zip: Attn:	Company:	P.O.#	BILL TO
	3	emailed. Please provi	pplicable	or the						Chh Tr bte	PH	es									ANALTSIS REGOEST

## 101 East Marland, Hobbs, NM 88240

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-232	(575) 393-2326 FAX (575) 393-2476			VIVIAV	SIS DECLIEST
Company Name:			8177 10	ANALIGIO	
Project Manager:		P.O. #:			
Address:		Company:			
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Phone #:	Fax#:	Address:			
Project #:	Project Owner:	City:			
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		Phone #:	2		
Project Location:		1			
Sampler Name:		Fax	CAMBLING		270
FOR LAB USE ONLY	CHARLES AND ADDRESS OF THE PARTY NAMED IN	erence of the			1
Hoozav Sam	Sample I.D.  (G)RAB OR (C) # CONTAINER:	GROUNDWATE WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	DATE TIME	TPI.	
		- <	10/28 Ipn		
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hS   02		size whather based in contract or fort, shall be imited to the amount paid by the client for the	the amount paid by the client for the		
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affiants or successors arisin out of or related to the performance of	Date: 10 Received By:	Received By:	Verbal Result: 1	Verbal Result:	Add'l Phone #: de Email address:
Relinguished By:	ن	Received By:	REMARKS:		
Delivered By: (Circle One)	Observed Temp. °C 2,4	CHEC	s) BY:	ard.	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C	No D No	Correction Factor +0.4 °C	450	□ No □ No Corrected Temp. °C
FORW-000 R 3.0	† Cardinal cannot	Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	email changes to celey.kee	ene@cardinallabsnm.co	om



November 04, 2020

HAYES ADAMS

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: K - 14

Enclosed are the results of analyses for samples received by the laboratory on 10/28/20 15:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

 Received:
 10/28/2020

 Reported:
 11/04/2020

 Project Name:
 K - 14

Project Number: LOCO HILLS Project Location: ARTESIA

Sampling Date: 10/28/2020

Sampling Type: Soil

Sampling Condition: \*\* (See Notes)
Sample Received By: Celey D. Keene

### Sample ID: W1 (H002862-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2020	ND	1.99	99.3	2.00	1.20	
Toluene*	<0.050	0.050	10/30/2020	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	10/30/2020	ND	1.89	94.6	2.00	2.36	GC-NC
Total Xylenes*	<0.150	0.150	10/30/2020	ND	5.50	91.7	6.00	2.22	GC-NC
Total BTEX	<0.300	0.300	10/30/2020	ND					GC-NC
Surrogate: 4-Bromofluorobenzene (PID	118 9	73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	206	103	200	2.09	
DRO >C10-C28*	76.4	10.0	10/29/2020	ND	192	95.8	200	10.9	
EXT DRO >C28-C36	<10.0	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	88.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.5	% 42.2-15	6						

### Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

 Received:
 10/28/2020
 Sampling Date:
 10/28/2020

 Reported:
 11/04/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: LOCO HILLS Sample Received By: Celey D. Keene

Project Location: ARTESIA

### Sample ID: W2 (H002862-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2020	ND	1.99	99.3	2.00	1.20	
Toluene*	<0.050	0.050	10/30/2020	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	10/30/2020	ND	1.89	94.6	2.00	2.36	GC-NC
Total Xylenes*	<0.150	0.150	10/30/2020	ND	5.50	91.7	6.00	2.22	GC-NC
Total BTEX	<0.300	0.300	10/30/2020	ND					GC-NC
Surrogate: 4-Bromofluorobenzene (PID	105 9	73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	206	103	200	2.09	
DRO >C10-C28*	67.6	10.0	10/29/2020	ND	192	95.8	200	10.9	
EXT DRO >C28-C36	<10.0	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	91.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	102 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 10/28/2020 Reported: 11/04/2020

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 10/28/2020

Sampling Type: Soil

Sampling Condition: \*\* (See Notes)
Sample Received By: Celey D. Keene

### Sample ID: W3 (H002862-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2020	ND	1.99	99.3	2.00	1.20	
Toluene*	<0.050	0.050	10/30/2020	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	10/30/2020	ND	1.89	94.6	2.00	2.36	GC-NC
Total Xylenes*	<0.150	0.150	10/30/2020	ND	5.50	91.7	6.00	2.22	GC-NC
Total BTEX	<0.300	0.300	10/30/2020	ND					GC-NC
Surrogate: 4-Bromofluorobenzene (PID	117 9	% 73.3-12	9						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	206	103	200	2.09	
DRO >C10-C28*	55.3	10.0	10/29/2020	ND	192	95.8	200	10.9	
EXT DRO >C28-C36	<10.0	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	87.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	96.4	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

 Received:
 10/28/2020
 Sampling Date:
 10/28/2020

 Reported:
 11/04/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: LOCO HILLS Sample Received By: Celey D. Keene

Project Location: ARTESIA

### Sample ID: X1 (H002862-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2020	ND	1.99	99.3	2.00	1.20	
Toluene*	<0.050	0.050	10/30/2020	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	10/30/2020	ND	1.89	94.6	2.00	2.36	GC-NC
Total Xylenes*	<0.150	0.150	10/30/2020	ND	5.50	91.7	6.00	2.22	GC-NC
Total BTEX	<0.300	0.300	10/30/2020	ND					GC-NC
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 73.3-12	9						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	206	103	200	2.09	
DRO >C10-C28*	141	10.0	10/29/2020	ND	192	95.8	200	10.9	
EXT DRO >C28-C36	24.6	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	89.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	105 9	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

 Received:
 10/28/2020
 Sampling Date:
 10/28/2020

 Reported:
 11/04/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: LOCO HILLS Sample Received By: Celey D. Keene

Project Location: ARTESIA

### Sample ID: X2 (H002862-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2020	ND	1.99	99.3	2.00	1.20	
Toluene*	<0.050	0.050	10/30/2020	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	10/30/2020	ND	1.89	94.6	2.00	2.36	GC-NC
Total Xylenes*	<0.150	0.150	10/30/2020	ND	5.50	91.7	6.00	2.22	GC-NC
Total BTEX	<0.300	0.300	10/30/2020	ND					GC-NC
Surrogate: 4-Bromofluorobenzene (PID	114 %	6 73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	206	103	200	2.09	
DRO >C10-C28*	206	10.0	10/29/2020	ND	192	95.8	200	10.9	
EXT DRO >C28-C36	41.9	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	93.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	117 9	6 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

 Received:
 10/28/2020
 Sampling Date:
 10/28/2020

 Reported:
 11/04/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: LOCO HILLS Sample Received By: Celey D. Keene

Project Location: ARTESIA

### Sample ID: X3 (H002862-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2020	ND	1.99	99.3	2.00	1.20	
Toluene*	<0.050	0.050	10/30/2020	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	10/30/2020	ND	1.89	94.6	2.00	2.36	GC-NC
Total Xylenes*	<0.150	0.150	10/30/2020	ND	5.50	91.7	6.00	2.22	GC-NC
Total BTEX	<0.300	0.300	10/30/2020	ND					GC-NC
Surrogate: 4-Bromofluorobenzene (PID	107 %	6 73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	206	103	200	2.09	
DRO >C10-C28*	14.1	10.0	10/29/2020	ND	192	95.8	200	10.9	
EXT DRO >C28-C36	<10.0	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	92.1 %	6 44.3-14	4						
Surrogate: 1-Chlorooctadecane	102 %	6 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 10/28/2020 Sampling Date: 10/28/2020

Reported: 11/04/2020 Sampling Type: Soil
Project Name: K - 14 Sampling Condition: \*\* (

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: LOCO HILLS Sample Received By: Celey D. Keene

Project Location: ARTESIA

### Sample ID: Y1 (H002862-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	10/30/2020	ND	1.99	99.3	2.00	1.20	
Toluene*	<0.050	0.050	10/30/2020	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	10/30/2020	ND	1.89	94.6	2.00	2.36	GC-NC
Total Xylenes*	<0.150	0.150	10/30/2020	ND	5.50	91.7	6.00	2.22	GC-NC
Total BTEX	<0.300	0.300	10/30/2020	ND					GC-NC
Surrogate: 4-Bromofluorobenzene (PID	109 %	6 73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	19.4	10.0	10/29/2020	ND	206	103	200	2.09	
DRO >C10-C28*	350	10.0	10/29/2020	ND	192	95.8	200	10.9	
EXT DRO >C28-C36	64.6	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	93.7 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	104 %	6 42.2-15	6						

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### Analytical Results For:

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

Received: 10/28/2020 Sampling Date: 10/28/2020

Reported: 11/04/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: LOCO HILLS Sample Received By: Celey D. Keene

Project Location: ARTESIA

### Sample ID: Y2 (H002862-08)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2020	ND	1.99	99.3	2.00	1.20	
Toluene*	<0.050	0.050	10/30/2020	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	10/30/2020	ND	1.89	94.6	2.00	2.36	GC-NC
Total Xylenes*	<0.150	0.150	10/30/2020	ND	5.50	91.7	6.00	2.22	GC-NC
Total BTEX	<0.300	0.300	10/30/2020	ND					GC-NC
Surrogate: 4-Bromofluorobenzene (PID	124	% 73.3-12	9						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	206	103	200	2.09	
DRO >C10-C28*	73.8	10.0	10/29/2020	ND	192	95.8	200	10.9	
EXT DRO >C28-C36	<10.0	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	93.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	107	% 42.2-15	6						

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### Analytical Results For:

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

 Received:
 10/28/2020
 Sampling Date:
 10/28/2020

 Reported:
 11/04/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: LOCO HILLS Sample Received By: Celey D. Keene

Project Location: ARTESIA

### Sample ID: Y3 (H002862-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2020	ND	1.99	99.3	2.00	1.20	
Toluene*	<0.050	0.050	10/30/2020	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	10/30/2020	ND	1.89	94.6	2.00	2.36	GC-NC
Total Xylenes*	<0.150	0.150	10/30/2020	ND	5.50	91.7	6.00	2.22	GC-NC
Total BTEX	<0.300	0.300	10/30/2020	ND					GC-NC
Surrogate: 4-Bromofluorobenzene (PID	112 9	73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	206	103	200	2.09	
DRO >C10-C28*	21.5	10.0	10/29/2020	ND	192	95.8	200	10.9	
EXT DRO >C28-C36	<10.0	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	88.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.1	% 42.2-15	6						

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Celey D. Keens

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 10/28/2020
Reported: 11/04/2020
Project Name: K - 14

Project Name: K - 14
Project Number: LOCO HILLS
Project Location: ARTESIA

Sampling Date: 10/28/2020

Sampling Type: Soil

Sampling Condition: \*\* (See Notes)
Sample Received By: Celey D. Keene

### Sample ID: Z1 (H002862-10)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2020	ND	1.99	99.3	2.00	1.20	
Toluene*	<0.050	0.050	10/30/2020	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	10/30/2020	ND	1.89	94.6	2.00	2.36	GC-NC
Total Xylenes*	<0.150	0.150	10/30/2020	ND	5.50	91.7	6.00	2.22	GC-NC
Total BTEX	<0.300	0.300	10/30/2020	ND					GC-NC
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 73.3-12	9						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	206	103	200	2.09	
DRO >C10-C28*	32.0	10.0	10/29/2020	ND	192	95.8	200	10.9	
EXT DRO >C28-C36	<10.0	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	91.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	101	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 10/28/2020 Sampling Date: 10/28/2020

Reported: 11/04/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: LOCO HILLS Sample Received By: Celey D. Keene

Project Location: ARTESIA

### Sample ID: Z2 (H002862-11)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2020	ND	1.99	99.3	2.00	1.20	
Toluene*	<0.050	0.050	10/30/2020	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	10/30/2020	ND	1.89	94.6	2.00	2.36	GC-NC
Total Xylenes*	<0.150	0.150	10/30/2020	ND	5.50	91.7	6.00	2.22	GC-NC
Total BTEX	<0.300	0.300	10/30/2020	ND					GC-NC
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 73.3-12	9						
TPH 8015M	mg,	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	206	103	200	2.09	
DRO >C10-C28*	39.4	10.0	10/29/2020	ND	192	95.8	200	10.9	
EXT DRO >C28-C36	<10.0	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	83.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	92.3	% 42.2-15	6						

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### Analytical Results For:

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

Received: 10/28/2020 Sampling Date: 10/28/2020

Reported: 11/04/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: \*\* (See Notes)
Project Number: LOCO HILLS Sample Received By: Celey D. Keene

Project Location: ARTESIA

### Sample ID: Z3 (H002862-12)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/30/2020	ND	1.99	99.3	2.00	1.20	
Toluene*	<0.050	0.050	10/30/2020	ND	1.91	95.3	2.00	1.78	
Ethylbenzene*	<0.050	0.050	10/30/2020	ND	1.89	94.6	2.00	2.36	GC-NC
Total Xylenes*	<0.150	0.150	10/30/2020	ND	5.50	91.7	6.00	2.22	GC-NC
Total BTEX	<0.300	0.300	10/30/2020	ND					GC-NC
Surrogate: 4-Bromofluorobenzene (PID	104 9	73.3-12	9						
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/29/2020	ND	206	103	200	2.09	
DRO >C10-C28*	41.7	10.0	10/29/2020	ND	192	95.8	200	10.9	
EXT DRO >C28-C36	<10.0	10.0	10/29/2020	ND					
Surrogate: 1-Chlorooctane	88.3	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.5	% 42.2-15	6						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Observed Temp. °C Q. 9 Corrected Temp. °C

Sample Condition
Cool Intact
Ves Yes
No No

CHECKED BY:

Turnaround Time:

Standard

Bacteria (only) Sample Condition
Cool Intact Observed Temp.

Yes Yes
No Ocrrected Temp.

c

Corrected Temp. °C

REMARKS:

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

Relinquished By:

Time: 3:50

Date:10/18

Storts of otherwise.

Verbal Result: Yes No Add'I Phone #:
All Results are emailed. Please provide Email address:

Date: Time:

Received By

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Report

サン

City: Company Name: Sampler Name: Project Location: Project Name: Project #: Phone #: Address: Project Manager: H002862 FOR LAB USE ONLY Lab I.D. Hayes アース Loco - Hill Sample I.D. Adamo Fax #: Project Owner: State: (G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER MATRIX SOIL OIL SLUDGE P.O. #: City: Fax #: State: Attn: OTHER Phone #: Address Company: ACID/BASE PRESERV ICE / COOL OTHER: Zip: DATE 70 SAMPLING ther completion of the ac TIME 3 TPH ANALYSIS REQUEST

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Observed Temp. °C 2. Corrected Temp. °C

Sample Condition
Cool Intact
Yes 7 Yes
No No

CHECKED BY:

Turnaround Time:

Standard

Cu

Bacteria (only) Sample Condition
Cool Intact Observed Temp.

Yes Yes
No No Corrected Temp.

Observed Temp. °C Corrected Temp. °C

(Initials)

Time:

Time: 3:50

All Results are emailed. Please provide Email address:

Verbal Result:

□ Yes

ONO

Add'I Phone #:

REMARKS:

Received By:

Relinquished By:

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

## Report #2 CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

مح

Project Name: City: Sampler Name: Project Location: Project #: Phone #: Address: Project Manager: Company Name: 40028/2 nalyses. All claims including those for FOR LAB USE ONLY Lab I.D. ice. In no event shall Cardinal Sample I.D. Fax #: Project Owner: Zip: (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER unless made in writing and received by Cardinal within 30 days after completion of the applicable WASTEWATER MATRIX SOIL OIL SLUDGE ns, loss of use, or loss of profits incurred by client, its subsidiaries State: City: P.O. #: OTHER Fax #: Phone #: Attn: Company: Address: ACID/BASE PRESERV. ICE / COOL BILL TO OTHER Zip: DATE SAMPLING TIME 3 ANALYSIS **REQUEST** 



November 23, 2020

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

RE: K - 14

Enclosed are the results of analyses for samples received by the laboratory on 11/20/20 10:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Wite Sough

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



### Analytical Results For:

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

Received: 11/20/2020 Sampling Date: 11/19/2020

Reported: 11/23/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

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Project Location: ARTESIA

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### Sample ID: A1 (H003079-01)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/20/2020	ND	1.99	99.6	2.00	4.39	
Toluene*	<0.050	0.050	11/20/2020	ND	1.89	94.4	2.00	4.71	
Ethylbenzene*	<0.050	0.050	11/20/2020	ND	1.99	99.4	2.00	4.68	
Total Xylenes*	<0.150	0.150	11/20/2020	ND	5.71	95.2	6.00	4.25	
Total BTEX	<0.300	0.300	11/20/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	73.3-12	9						
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	11/20/2020	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2020	ND	251	125	200	0.615	
DRO >C10-C28*	261	10.0	11/20/2020	ND	236	118	200	1.33	
EXT DRO >C28-C36	80.8	10.0	11/20/2020	ND					
Surrogate: 1-Chlorooctane	85.0	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	85.2	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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### Analytical Results For:

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

Received: 11/20/2020

11/23/2020

Project Name: K - 14
Project Number: NONE GIVEN
Project Location: ARTESIA

Sampling Date: 11/19/2020

Sampling Type: Soil

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

Sample ID: A3 (H003079-02)

Reported:

mg/l	kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS % Recovery	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	11/21/2020	ND	1.99	99.6	2.00	4.39	
<0.050	0.050	11/21/2020	ND	1.89	94.4	2.00	4.71	
<0.050	0.050	11/21/2020	ND	1.99	99.4	2.00	4.68	
<0.150	0.150	11/21/2020	ND	5.71	95.2	6.00	4.25	
<0.300	0.300	11/21/2020	ND					
113 %	6 73.3-12	9						
mg/kg		Analyzed By: GM						
	Result <0.050 <0.050 <0.050 <0.150 <0.300	Result         Reporting Limit           <0.050	Result         Reporting Limit         Analyzed           <0.050	Result         Reporting Limit         Analyzed         Method Blank           <0.050	Result         Reporting Limit         Analyzed         Method Blank         BS           <0.050	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery           <0.050	Result         Reporting Limit         Analyzed         Method Blank         BS         % Recovery         True Value QC           <0.050	<0.050

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	11/20/2020	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	11/20/2020	ND	251	125	200	0.615	
DRO >C10-C28*	260	10.0	11/20/2020	ND	236	118	200	1.33	
EXT DRO >C28-C36	58.0	10.0	11/20/2020	ND					

Surrogate: 1-Chlorooctane 86.7 % 44.3-144
Surrogate: 1-Chlorooctadecane 86.9 % 42.2-156

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11/19/2020

### Analytical Results For:

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

Fax To: NA

Received: 11/20/2020 Sampling Date:

Reported: Sampling Type: Soil 11/23/2020

Project Name: K - 14 Sampling Condition: Cool & Intact Project Number: Sample Received By: Tamara Oldaker NONE GIVEN

Project Location: **ARTESIA** 

### Sample ID: A4 (H003079-03)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2020	ND	1.99	99.6	2.00	4.39	
Toluene*	<0.050	0.050	11/21/2020	ND	1.89	94.4	2.00	4.71	
Ethylbenzene*	<0.050	0.050	11/21/2020	ND	1.99	99.4	2.00	4.68	
Total Xylenes*	<0.150	0.150	11/21/2020	ND	5.71	95.2	6.00	4.25	
Total BTEX	<0.300	0.300	11/21/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	11/20/2020	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	11/20/2020	ND	251	125	200	0.615	
DRO >C10-C28*	380	10.0	11/20/2020	ND	236	118	200	1.33	
EXT DRO >C28-C36	92.0	10.0	11/20/2020	ND					
Surrogate: 1-Chlorooctane	85.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.8	% 42.2-15	6						

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### Analytical Results For:

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

Fax To: NA

Received: 11/20/2020 Sampling Date: 11/19/2020

Reported: 11/23/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: C2 (H003079-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2020	ND	1.99	99.6	2.00	4.39	
Toluene*	<0.050	0.050	11/21/2020	ND	1.89	94.4	2.00	4.71	
Ethylbenzene*	< 0.050	0.050	11/21/2020	ND	1.99	99.4	2.00	4.68	
Total Xylenes*	<0.150	0.150	11/21/2020	ND	5.71	95.2	6.00	4.25	
Total BTEX	<0.300	0.300	11/21/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	123	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	11/20/2020	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2020	ND	251	125	200	0.615	
DRO >C10-C28*	398	10.0	11/20/2020	ND	236	118	200	1.33	
EXT DRO >C28-C36	91.1	10.0	11/20/2020	ND					
Surrogate: 1-Chlorooctane	89.2	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	93.0	% 42.2-15	6						

Surrogate: 1-Chlorooctadecane 93.0 % 42.2-156

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### Analytical Results For:

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

Fax To: NA

Received: 11/20/2020 Sampling Date: 11/19/2020

Reported: Sampling Type: Soil 11/23/2020

Project Name: K - 14 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: **ARTESIA** 

### Sample ID: C3 (H003079-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2020	ND	1.99	99.6	2.00	4.39	
Toluene*	<0.050	0.050	11/21/2020	ND	1.89	94.4	2.00	4.71	
Ethylbenzene*	<0.050	0.050	11/21/2020	ND	1.99	99.4	2.00	4.68	
Total Xylenes*	<0.150	0.150	11/21/2020	ND	5.71	95.2	6.00	4.25	
Total BTEX	<0.300	0.300	11/21/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	11/20/2020	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2020	ND	251	125	200	0.615	
DRO >C10-C28*	417	10.0	11/20/2020	ND	236	118	200	1.33	
EXT DRO >C28-C36	105	10.0	11/20/2020	ND					
Surrogate: 1-Chlorooctane	82.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.2	% 42.2-15	6						

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## Analytical Results For:

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

Received: 11/20/2020

11/23/2020

Sampling Date:

11/19/2020

Soil

Reported: Project Name:

K - 14

Sampling Type: Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN **ARTESIA** 

Sample Received By:

Tamara Oldaker

Sample ID: C4 (H003079-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2020	ND	1.99	99.6	2.00	4.39	
Toluene*	<0.050	0.050	11/21/2020	ND	1.89	94.4	2.00	4.71	
Ethylbenzene*	<0.050	0.050	11/21/2020	ND	1.99	99.4	2.00	4.68	
Total Xylenes*	<0.150	0.150	11/21/2020	ND	5.71	95.2	6.00	4.25	
Total BTEX	<0.300	0.300	11/21/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	11/20/2020	ND	400	100	400	7.69	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.3	10.0	11/20/2020	ND	251	125	200	0.615	
DRO >C10-C28*	508	10.0	11/20/2020	ND	236	118	200	1.33	
EXT DRO >C28-C36	119	10.0	11/20/2020	ND					
Surrogate: 1-Chlorooctane	84.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	84.8	% 42.2-15	6						

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## Analytical Results For:

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

Fax To: NA

Received: 11/20/2020 Sampling Date: 11/19/2020

Reported: Sampling Type: Soil 11/23/2020

Project Name: K - 14 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: **ARTESIA** 

## Sample ID: E3 (H003079-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2020	ND	1.99	99.6	2.00	4.39	
Toluene*	<0.050	0.050	11/21/2020	ND	1.89	94.4	2.00	4.71	
Ethylbenzene*	<0.050	0.050	11/21/2020	ND	1.99	99.4	2.00	4.68	
Total Xylenes*	<0.150	0.150	11/21/2020	ND	5.71	95.2	6.00	4.25	
Total BTEX	<0.300	0.300	11/21/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	11/20/2020	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2020	ND	251	125	200	0.615	
DRO >C10-C28*	378	10.0	11/20/2020	ND	236	118	200	1.33	
EXT DRO >C28-C36	81.8	10.0	11/20/2020	ND					
Surrogate: 1-Chlorooctane	84.6	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	89.9	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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## Analytical Results For:

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

Fax To: NA

Received: 11/20/2020 Sampling Date: 11/19/2020

Reported: 11/23/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MC

Project Location: ARTESIA

ma/ka

## Sample ID: E4 (H003079-08)

RTFY 8021R

BIEX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2020	ND	1.99	99.6	2.00	4.39	
Toluene*	<0.050	0.050	11/21/2020	ND	1.89	94.4	2.00	4.71	
Ethylbenzene*	<0.050	0.050	11/21/2020	ND	1.99	99.4	2.00	4.68	
Total Xylenes*	<0.150	0.150	11/21/2020	ND	5.71	95.2	6.00	4.25	
Total BTEX	<0.300	0.300	11/21/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	110	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	11/20/2020	ND	400	100	400	7.69	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/20/2020	ND	251	125	200	0.615	
DRO >C10-C28*	357	10.0	11/20/2020	ND	236	118	200	1.33	
EXT DRO >C28-C36	64.6	10.0	11/20/2020	ND					
Surrogate: 1-Chlorooctane	86.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.0	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Mile Sough



## **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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Me Sough

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## 101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476	.24/6		TSELLOS DECLEST	
Company Name: $\mathcal{O}_{\mathcal{X}} \leq \mathcal{O}_{\mathcal{Y}}$		BILL TO	ANALTSIS REQUEST	
 Z	P.O. #:			- 7
	Company	any:		
City: State:	Zip: Attn:			
Phone #: Fax #:	Address	SS:		
Project #: Project Owner:	ner: City:			
Project Name:	State:	Zip:		
Project Location: K-1c	Phone #:	#:		
Sampler Name: MA++	Fax			
_	MATRIX	PRESERV. SAMPLING		
Lab I.D. Sample I.D.	S)RAB OR (C)OMP CONTAINERS ROUNDWATER VASTEWATER OIL IL LUDGE OTHER: CID/BASE:	DATE	TPH Btex Chlorid	
HUODE AL	# V V S S S S S S S S S S S S S S S S S	11/19	X X X X   X   X   X   X   X   X   X	
- C2- C2- C2- C2- C2- C2- C2- C2- C2- C2		Bu.	. , ,	
160				
8 FU	×	1V/19 1	1:00 by XXX	
PLEASE NOTE: Liability and Damages. Cardinat'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 plicable 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 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.	ly for any claim arising whether based in contract or tort, sha tall be deemed waived unless made in writing and received	all be limited to the amount paid by by Cardinal within 30 days after or by Cardinal within 30 fays after by clief	the client for the 'mpleton of the applicable tis substdiaries.	
Relinquished By:  Time:  Time:	Received By:	upon any of the above stated reaso	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	* 4
Relinquished By. Date:	Received By:		REMARKS:	
Time:			Standard Bacteria (only) S	Condition
Delivered By: (Circle One)  Observed Temp. °C	Sample Condition Cool Intact Cool Sample Condition	CHECKED BY: The control of the contr	Turnaround Time: Standard Deckeria (viny) composition. Cool Infact Observation Earthy None Correction Factor None	Observed Temp. °C



November 24, 2020

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

RE: K - 14

Enclosed are the results of analyses for samples received by the laboratory on 11/23/20 16:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

Wite Sough

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



## Analytical Results For:

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

Received: 11/23/2020 Reported: 11/24/2020

Project Name: K - 14

Project Number: NONE GIVEN Project Location: ARTESIA

Sampling Date: 11/23/2020

Sampling Type: Soil

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

Sample ID: C 3 (H003099-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2020	ND	1.99	99.7	2.00	3.88	
Toluene*	<0.050	0.050	11/24/2020	ND	1.89	94.7	2.00	4.43	
Ethylbenzene*	<0.050	0.050	11/24/2020	ND	1.96	97.8	2.00	4.49	GC-NC
Total Xylenes*	<0.150	0.150	11/24/2020	ND	5.63	93.8	6.00	4.19	
Total BTEX	<0.300	0.300	11/24/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	11/24/2020	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2020	ND					
DRO >C10-C28*	51.3	10.0	11/23/2020	ND					
EXT DRO >C28-C36	11.5	10.0	11/23/2020	ND					
Surrogate: 1-Chlorooctane	79.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	75.8	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Mile Sough



## **Notes and Definitions**

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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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Mule Sough

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



	(5/5) 333-2325 FAA (5/5) 353-24/6	-24/0			
Company Name:	(XX)		BILL TO	ANALYSIS	IN KENOEN
Project Manager:	Matt Long crier		P.O. #:		7
Address:			Company:		
City:	State:	Zip:	Attn:		· ·
Phone #:	Fax #:		Address:		
Project #:	Project Owner:		City:		
Project Name:	ア- ビ		State: Zip:		
Project Location:			Phone #:		
Sampler Name:	Mart Longerier		Fax #:		
FOR LAB USE ONLY		P. MATRIX	PRESERV. SAMPLING		
Lab I.D. <i>H00309</i> 7	Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	Chloric TPH Btex	
	C3	>	_	iosp <sub>wy</sub> X X	
PLEASE NOTE: Liability and analyses. All claims including service. In no event shall Can	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 consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, service. In no event shall Cardinal be liable for incidental or consequental damages, and consequent consequent consequent control or students which is excluded in the above stated transport or otherwise.	int'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 ause whatsoever shall be deemed waited unless made in writing and received by Cardinal within 30 days after completion of the cause whatsoever shall be deemed waited unless made in writing and received by Cardinal within 30 days after completion of the received by Cardinal within 30 days after completion of the received by Cardinal waited and the state of the short state of the received by Cardinal waited and the state of the short state of the received by Cardinal waited the state of the short st	or tort, shall be limited to the amount paid received by Cardinal within 30 days after use, or loss of profits incurred by clish based upon any of the above stated rear	by the client for the completion of the applicable and, its subsidiaries, and or otherwise.	
Relinquished By:	3/	Received By:	Mala	Verbal Result: ☐ Yes ☐ No Add'I Phone #: All Results are emailed. Please provide Email address:	ne#: ddress:
Relinquished By:	Date:	Received By:		REMARKS:	
Delivered By: (Circle One)		S	CHECKED BY: (Initials)	Standard Rush	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C  ☐ Yes ☐ Yes
Sampler - UPS - Bus - Other:	us - Other: Corrected Temp. °C	°C Yes Yes	70	Correction Factor None	Nc No Corrected Temp. °C



December 08, 2020

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

RE: K - 14

Enclosed are the results of analyses for samples received by the laboratory on 12/08/20 8:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



## Analytical Results For:

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

Received: 12/08/2020 Reported: 12/08/2020

Project Name: K - 14
Project Number: NONE GIVEN

Project Location: ARTESIA

Sampling Date: 12/07/2020

Sampling Type: Soil

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

## Sample ID: EB - 1 (H003206-01)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2020	ND	1.95	97.4	2.00	7.27	
Toluene*	<0.050	0.050	12/08/2020	ND	1.88	93.8	2.00	6.81	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	1.97	98.5	2.00	7.10	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.63	93.9	6.00	6.59	
Total BTEX	<0.300	0.300	12/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.3-12	9						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2020	ND	233	116	200	1.61	
DRO >C10-C28*	26.7	10.0	12/08/2020	ND	231	115	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					
Surrogate: 1-Chlorooctane	98.5	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	97.2	% 42.2-15	6						

## Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keens

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

Fax To: NA

Received: 12/08/2020 Sampling Date: 12/07/2020

Reported: 12/08/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

## Sample ID: EB - 2 (H003206-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2020	ND	1.95	97.4	2.00	7.27	
Toluene*	<0.050	0.050	12/08/2020	ND	1.88	93.8	2.00	6.81	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	1.97	98.5	2.00	7.10	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.63	93.9	6.00	6.59	
Total BTEX	<0.300	0.300	12/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2020	ND	233	116	200	1.61	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	231	115	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					
Surrogate: 1-Chlorooctane	103 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	100 9	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

Fax To: NA

Received: 12/08/2020 Sampling Date: 12/07/2020

Reported: 12/08/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: MS

Project Location: ARTESIA

mg/kg

## Sample ID: ES - 1 D (H003206-03)

BTEX 8021B

DILX GOZID	ıııg,	, kg	Andryzo	u by. 1-15					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2020	ND	1.95	97.4	2.00	7.27	
Toluene*	<0.050	0.050	12/08/2020	ND	1.88	93.8	2.00	6.81	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	1.97	98.5	2.00	7.10	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.63	93.9	6.00	6.59	
Total BTEX	<0.300	0.300	12/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/08/2020	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2020	ND	233	116	200	1.61	
DRO >C10-C28*	<10.0	10.0	12/08/2020	ND	231	115	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					
Surrogate: 1-Chlorooctane	86.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	83.6	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

Received: 12/08/2020 Sampling Date: 12/07/2020

Reported: 12/08/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: **ARTESIA** 

## Sample ID: ES - 2 (H003206-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2020	ND	1.95	97.4	2.00	7.27	
Toluene*	<0.050	0.050	12/08/2020	ND	1.88	93.8	2.00	6.81	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	1.97	98.5	2.00	7.10	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.63	93.9	6.00	6.59	
Total BTEX	<0.300	0.300	12/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 5	73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/08/2020	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2020	ND	233	116	200	1.61	
DRO >C10-C28*	44.4	10.0	12/08/2020	ND	231	115	200	2.34	
EXT DRO >C28-C36	10.8	10.0	12/08/2020	ND					
Surrogate: 1-Chlorooctane	93.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	88.3	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celecy D. Keene

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

Received: 12/08/2020 Sampling Date: 12/07/2020 Reported: 12/08/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: **ARTESIA** 

## Sample ID: ES - 2 D (H003206-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2020	ND	1.95	97.4	2.00	7.27	
Toluene*	<0.050	0.050	12/08/2020	ND	1.88	93.8	2.00	6.81	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	1.97	98.5	2.00	7.10	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.63	93.9	6.00	6.59	
Total BTEX	<0.300	0.300	12/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	12/08/2020	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2020	ND	233	116	200	1.61	
DRO >C10-C28*	23.7	10.0	12/08/2020	ND	231	115	200	2.34	
EXT DRO >C28-C36	<10.0	10.0	12/08/2020	ND					
Surrogate: 1-Chlorooctane	94.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	91.4	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celecy D. Keene

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

Fax To: NA

Received: 12/08/2020 Sampling Date: 12/07/2020

Reported: 12/08/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: **ARTESIA** 

## Sample ID: ES - 3 D (H003206-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2020	ND	1.95	97.4	2.00	7.27	
Toluene*	<0.050	0.050	12/08/2020	ND	1.88	93.8	2.00	6.81	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	1.97	98.5	2.00	7.10	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.63	93.9	6.00	6.59	
Total BTEX	<0.300	0.300	12/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/08/2020	ND	400	100	400	7.69	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2020	ND	233	116	200	1.61	
DRO >C10-C28*	1270	10.0	12/08/2020	ND	231	115	200	2.34	
EXT DRO >C28-C36	315	10.0	12/08/2020	ND					
Surrogate: 1-Chlorooctane	84.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	108 9	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celecy D. Keene



## Analytical Results For:

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

Received: 12/08/2020

ma/ka

 Received:
 12/08/2020
 Sampling Date:
 12/07/2020

 Reported:
 12/08/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: ARTESIA

## Sample ID: ES - 4 D (H003206-07)

RTFY 8021R

B1EX 8021B	mg,	<sup>и</sup> кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2020	ND	1.95	97.4	2.00	7.27	
Toluene*	<0.050	0.050	12/08/2020	ND	1.88	93.8	2.00	6.81	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	1.97	98.5	2.00	7.10	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.63	93.9	6.00	6.59	
Total BTEX	<0.300	0.300	12/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/08/2020	ND	400	100	400	7.69	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2020	ND	233	116	200	1.61	
DRO >C10-C28*	26.8	10.0	12/08/2020	ND	231	115	200	2.34	
EXT DRO >C28-C36	24.0	10.0	12/08/2020	ND					
Surrogate: 1-Chlorooctane	95.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	92.0	% 42.2-15	6						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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Celey D. Keene

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## 101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Name: (XX So )		BILL TO		ANALYSIS REQUEST
lanager: Matt	Langurier P.O.	0. #:		- 1
Address:	2	Company:		
City: State:	Zip:	tn:		
Phone #: Fax #:		Address:		
Project #: Project	Project Owner: City:	tv:		
Project Name: X.14		State: Zip:		
Project Location:	Pho	#		
Sampler Name: Mate	Fax #:	× #:		
FOR LAB USE ONLY	MATRIX	PRESERV. SAMPLING	<i>es</i>	× -
Lab I.D. Sample I.D.	(G)RAB OR (C)OMF # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	ACID/BASE: CE / COOL DTHER:	Btex Chloride	
2 EB-2	-×	12/7 3.00		
100			- × - × 8	
5 E S 2 D				
7 ES4D	×	12/7 3,00	X -	
The LASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the service. In no event shall cardinal be liable for incidental or consequential damages, including whose made in writing and received by Cardinal within 30 days after completion of the applicable 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.	ability and Damages. Cardinat's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid including those for negligence and any other cause whatsoever shall be deemed watword unless made in writing and received by Cardinal within 30 days after shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by closs 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 by	shall be limited to the amount paid by the client for the ad by Cardinal within 30 days after completion of the app se, or loss of profits incurred by client, its subsidiaries, upon any of the above stated reasons or otherwise	plicable	
Time:	Received By:	Verbal Result: All Results are	☐ Yes ☐ No emailed. Please provi	Add'l Phone #: de Email address:
Date: 12-8-20 Time: 0840 Delivered By: (Circle One) Delivered By: (Circle One)	Date:   Z-8-20 Received By:   Ime:   Style	REMARKS:	5	
Sampler - UPS - Bus - Other: Corrected Temp. °C	Ġ	(Initiats) Thermometer ID #113	Rush	Cool Intact Observed Temp. °C

Corrected Temp. °C



December 09, 2020

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

RE: K - 14

Enclosed are the results of analyses for samples received by the laboratory on 12/08/20 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



## Analytical Results For:

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

Fax To: NA

Received: 12/08/2020

mg/kg

Reported: 12/09/2020 Project Name: K - 14

Project Number: NONE GIVEN

Project Location: ARTESIA

Sampling Date: 12/08/2020

Sampling Type: Soil

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

## Sample ID: ES 8 (H003212-01)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/09/2020	ND	416	104	400	3.77	

Analyzed By: MS

## Sample ID: ES 10 (H003212-02)

BTEX 8021B

**EXT DRO > C28 - C36** 

		<u> </u>	. , .	•					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2020	ND	2.00	100	2.00	7.92	
Toluene*	<0.050	0.050	12/08/2020	ND	1.91	95.7	2.00	7.52	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	2.00	100	2.00	8.28	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.72	95.3	6.00	7.75	
Total BTEX	<0.300	0.300	12/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2020	ND	244	122	200	3.19	
DRO >C10-C28*	78.4	10.0	12/09/2020	ND	236	118	200	1.03	

ND

Surrogate: 1-Chlorooctane 73.1 % 44.3-144
Surrogate: 1-Chlorooctadecane 72.5 % 42.2-156

67.5

10.0

Cardinal Laboratories \*=Accredited Analyte

12/09/2020

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Celeg D. Keene

Celey D. Keene, Lab Director/Quality Manager



## Analytical Results For:

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

 Received:
 12/08/2020
 Sampling Date:
 12/08/2020

 Reported:
 12/09/2020
 Sampling Type:
 Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

## Sample ID: ES 11 (H003212-03)

Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	12/09/2020	ND	432	108	400	0.00	

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Celey D. Keene



## Analytical Results For:

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

Fax To: NA

Received: 12/08/2020 Sampling Date: 12/08/2020

Reported: 12/09/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: **ARTESIA** 

## Sample ID: ES 14 (H003212-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2020	ND	2.00	100	2.00	7.92	
Toluene*	<0.050	0.050	12/08/2020	ND	1.91	95.7	2.00	7.52	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	2.00	100	2.00	8.28	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.72	95.3	6.00	7.75	
Total BTEX	<0.300	0.300	12/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/09/2020	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2020	ND	244	122	200	3.19	
DRO >C10-C28*	<10.0	10.0	12/09/2020	ND	236	118	200	1.03	
EXT DRO >C28-C36	10.0	10.0	12/09/2020	ND					
Surrogate: 1-Chlorooctane	104	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.2	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Keine



## Analytical Results For:

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

Fax To: NA

Received: 12/08/2020 Sampling Date: 12/08/2020

Reported: 12/09/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: MC

Project Location: ARTESIA

ma/ka

## Sample ID: ES 15 (H003212-05)

RTFY 8021R

B1EX 8021B	mg/	кg	Апануге	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2020	ND	2.00	100	2.00	7.92	
Toluene*	<0.050	0.050	12/08/2020	ND	1.91	95.7	2.00	7.52	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	2.00	100	2.00	8.28	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.72	95.3	6.00	7.75	
Total BTEX	<0.300	0.300	12/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/09/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2020	ND	244	122	200	3.19	
DRO >C10-C28*	<10.0	10.0	12/09/2020	ND	236	118	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	12/09/2020	ND					
Surrogate: 1-Chlorooctane	99.1	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager

Cardinal Laboratories

\*=Accredited Analyte



## Analytical Results For:

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

Received: 12/08/2020

ma/ka

Reported: 12/09/2020

Project Name: K - 14
Project Number: NONE GIVEN
Project Location: ARTESIA

Sampling Date: 12/08/2020

Sampling Type: Soil

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

## Sample ID: ES 15 D (H003212-06)

RTFY 8021R

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/08/2020	ND	2.00	100	2.00	7.92	
Toluene*	<0.050	0.050	12/08/2020	ND	1.91	95.7	2.00	7.52	
Ethylbenzene*	<0.050	0.050	12/08/2020	ND	2.00	100	2.00	8.28	
Total Xylenes*	<0.150	0.150	12/08/2020	ND	5.72	95.3	6.00	7.75	
Total BTEX	<0.300	0.300	12/08/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/09/2020	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2020	ND	244	122	200	3.19	
DRO >C10-C28*	<10.0	10.0	12/09/2020	ND	236	118	200	1.03	
EXT DRO >C28-C36	<10.0	10.0	12/09/2020	ND					
Surrogate: 1-Chlorooctane	100 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	95.7	% 42.2-15	6						

Applyzod By: MC

## Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene



## **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

Company Name:	Rx Soil	7	BILLTO			
Project Manager:	Matt	Longerier	P.O. #:		ANALYSIS REQUEST	SI
Address:		C	Company:			
City:		State: Zip:	Attn:			N .
Phone #:		Fax #:	Address:			
Project #:		Project Owner:	City:			
Project Name:	ス・ュ	3	State: 7in:			
Project Location:			*			
Sampler Name:	Matt	Longerier	Fay #:			
FOR LAB USE ONLY						_
,		S ER	FALSERY. SAMPLING			
Lab I.D.	Sample I.D.	AB OR (C) INTAINERS UNDWATE TEWATER	ER : /BASE: COOL	TPH Btex Chloria		
H03212		# CO GRO WAS SOIL OIL	OTHE OTHE TIME			
N-	200	******	12/8 12:00	×		
(V)	ES !!			×		
2-6	がいた			× × ;		
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6	2000	<b>X</b>	12/8 12:00	×		
	\$					
LEASE NOTE: Liability and Dar	mages. Cardinal's liability and	LEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tod. shall be limited to the	of or fort shall be limited to the			
envice. In no event shall Cardina ffiliates or successors arising out	se for negligence and any ot il be liable for incidental or co of or related to the performa	envice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business made in writing and received by Cardinal within 30 days after completion of the applicable filiates 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 presence or otherwise.  Solitors is based upon any of the above stated reasons or otherwise.	nd received by Cardinal within 30 days after completion of the loss of use, or loss of profits incurred by client, its subsidiarie in is based upon any of the above stated reasons or otherwise.	or me the applicable aries,		
Mark	1	Received By:	-	sult:    Yes    No	Add'l Phone #:	
Relinquished By:	July 1	Time: 3:00 DM	Allesuit	All Results are emailed. Please provide Email address:	ovide Email address:	
		Time:	REMARKS	S. S. Y.		
Delivered By: (Circle One)		Observed Temp. °C 1.7 Sample Condition	오			Condition
Sampler - UPS - Bus - Other:		Corrected Temp. °C	(Initials)	Rush Thermometer ID #113 Correction Factor None	Cool Intact	Observed Temp. °C
	02/170			WOLOI INDIO		



December 09, 2020

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

RE: K - 14

Enclosed are the results of analyses for samples received by the laboratory on 12/09/20 9:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



## Analytical Results For:

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

Fax To: NA

Received: 12/09/2020 Reported: 12/09/2020

Project Name: K - 14

Project Number: NONE GIVEN Project Location: **ARTESIA** 

Sampling Date: 12/09/2020

Sampling Type: Soil

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

## Sample ID: ES - 3 D (H003213-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2020	ND	2.12	106	2.00	1.70	
Toluene*	<0.050	0.050	12/09/2020	ND	2.01	101	2.00	2.52	
Ethylbenzene*	<0.050	0.050	12/09/2020	ND	2.11	105	2.00	2.64	
Total Xylenes*	<0.150	0.150	12/09/2020	ND	5.99	99.8	6.00	2.55	
Total BTEX	<0.300	0.300	12/09/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 73.3-12	9						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2020	ND	238	119	200	5.17	
DRO >C10-C28*	<10.0	10.0	12/09/2020	ND	219	109	200	7.43	
EXT DRO >C28-C36	<10.0	10.0	12/09/2020	ND					
Surrogate: 1-Chlorooctane	90.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	83.9	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



	(5/5) 393-2326	(575) 393-2326 FAX (5/5) 393-24/6	9	ı	١	ı	İ	ı	ł	ı	ı	ı	ı			١	١	١				101	
Company Name:	RXSo.											B	BILL	1 70				-	A	ŀ₽	ANALYSIS REQUESI	ESI	1
Project Manager:	Matt	Longwie							T	P.O. #:	#									_			
Address:		,							C	om	Company:	Ŋ.					_	_	_	_			_
City:		State:	Zip:						D	Attn:			1			,							
Phone #:		Fax #:							D	ddr	Address:	*:				-			_				
Project #:		Project Owner:							0	City:								_	_				
Project Name:	トーイ								(O	State:	**		Z	Zip:		- 7				_			
Project Location:									T	hor	Phone #:	7.77											_
Sampler Name:	Matt								TI	Fax #:	#												
FOR LAB USE ONLY			P.			_	MATRIX	_ <del>~</del>	-	7	PRESERV.	- H	<	SAMPLING					7				
Lab I.D.	Sample I.D.	J.D.	(G)RAB OR (C)OMP	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER : ACID/BASE:	ICE / COOL		OTHER:	DATE	TIME	TPH	Btex	•					
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PLEASE NOTE: Liability and analyses. All claims including	Damages. Cardinal's liability ar those for negligence and any o	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising whether based in contract or fort, 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 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 analyses. All claims including the based in contract of the state of the contract of the state of	ny clain deemed	arisir waive	ng whe	ther bess m	ased in ade in	n cont writing	and r	tort, s eceive	hall b	e limit Cardir	ted to hal with prof	the amount paid.) thin 30 days after of this incurred by click	by the client for the completion of the ont, its subsidiarie	e applicat s,	ble		-				
affiliates or successors arising Relinquished By:	out of or related to the perform	Relinquished By:    Date:   Received By:	Re	Received By:	ed	By:	aner s	7		Charles and a second					Verbal Result: ☐ Yes ☐ No Add'i Phone #: All Results are emailed. Please provide Email address:	ult:	☐ Yes mailed. I	□ No Please pr	o Ac	dd'I P Ema	Add'l Phone #: de Email address:		
Relinquished By		Date:	₹/	Received By:	ed	By	8				4	3			REMARKS:		Rush						
Delivered By: (Circle One)	cle One)	Observed Temp. °C 3.9	S	2		Sample Condition Cool Intact  HYES HYES	ample Condition on Intact	Condi Intact	ditio	š		4 _ \( \)	(Initials	BY:	Turnaround Time: Thermometer ID #113	Time		Standard Rush	a. □ <b>⊋</b> □		Bacteria (only) S Cool Intact	Bacteria (only) Sample Condition Cool Infact Observed Temp. °C  Yes Yes	,
Sampler - UPS - Bus - Other:	lus - Other:	Corrected remp. 'c					Sal		69			4	(		Orrection E	ctor	None				No No	Corrected Temp. °C	_



December 10, 2020

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

RE: K - 14

Enclosed are the results of analyses for samples received by the laboratory on 12/10/20 8:13.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



## Analytical Results For:

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

Fax To: NA

Received: 12/10/2020 Reported: 12/10/2020

Project Name: K - 14

Project Number: NONE GIVEN

Project Location: ARTESIA

Sampling Date: 12/09/2020

Sampling Type: Soil

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

## Sample ID: ES 10 (H003228-01)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2020	ND	1.98	99.1	2.00	5.65	
Toluene*	<0.050	0.050	12/10/2020	ND	1.89	94.6	2.00	6.38	
Ethylbenzene*	<0.050	0.050	12/10/2020	ND	1.95	97.4	2.00	6.98	
Total Xylenes*	<0.150	0.150	12/10/2020	ND	5.54	92.3	6.00	6.67	
Total BTEX	<0.300	0.300	12/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 73.3-12	9						
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/10/2020	ND	258	129	200	0.0384	
DRO >C10-C28*	<10.0	10.0	12/10/2020	ND	244	122	200	0.266	
EXT DRO >C28-C36	<10.0	10.0	12/10/2020	ND					
Surrogate: 1-Chlorooctane	84.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	79.1	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene



## **Notes and Definitions**

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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Celey D. Keene

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



(575) 393-2326 FAX (575) 393-2476		ANALYSIS REQUEST
Company Name: PX501		ANALTSIS PLACES
	P.O. #:	
	Company:	
City: State:	Zip: Attn:	
Phone #: Fax #:	Address:	
Project #: Project Owner:	City:	
Project Name: K-14	State: Zip:	
9	Phone #:	
	Fax #:	
Sampler Name: Auth	T a	6
	MATRIX	
Lab I.D. Sample I.D.	G)RAB OR (C)OME CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	TPH 3tex
I COCOCOCI	b/2	10,00 × ×
Walcus Standard Bandanas Cardinal's liability and client's exclusive	Demonse Cardina'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	the client for the applicable
analyses. All claims including those for negligence and any other cause whatson	analyses. All claims including those for negligence and any other cause whatsoever shall be used in an executed by claims including those for negligence and any other cause whatsoever shall be used in an executed by claims. It is subsidiaries, and the provided in a cause of the provided reasons or otherwise.	
Relinquished By:  Tipe:  Tipe:	Relinquished By:  Tippe:	Solito de de la lacación de la lacación de la lacación de lacació
Relinquished By:  Date:	Received By: WWW XXXXXX	REMARKS: RWSL
Delivered By: (Circle One)  Observed Temp. °C	3.1 Sample Condition CHECKED BY: Cool Intact (Initials)  Tayles Tayles	Turnaround Time: Standard Bacteria (only) Sample Conductori  Cool Intact Observed Temp. °C  Thermometer ID #113



December 15, 2020

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

RE: K - 14

Enclosed are the results of analyses for samples received by the laboratory on 12/14/20 14:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Celey D. Keine

Accreditation applies to public drinking water matrices.

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

 Received:
 12/14/2020

 Reported:
 12/15/2020

 Project Name:
 K - 14

Project Number: NONE GIVEN
Project Location: ARTESIA

Sampling Date: 12/14/2020

Sampling Type: Soil

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

### Sample ID: A 1 (H003253-01)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	0.125	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.48	GC-NC
Total Xylenes*	0.736	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	0.861	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	150	% 73.3-12	9						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	18.3	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	261	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	41.8	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	100	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	110 9	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene



### Analytical Results For:

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

Fax To: NA

Received: 12/14/2020

Reported: 12/15/2020

Project Name: K - 14
Project Number: NONE GIVEN
Project Location: ARTESIA

Sampling Date: 12/14/2020

Sampling Type:

Sampling Condition: Cool & Intact

Sample Received By: Tamara Oldaker

Soil

### Sample ID: A 2 (H003253-02)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	0.103	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.48	GC-NC
Total Xylenes*	0.446	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	0.549	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	135	% 73.3-12	9						
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	121	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	16.8	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	108	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	112 9	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Fax To: NA

Received: 12/14/2020 Sampling Date: 12/14/2020

Reported: 12/15/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: A 3 (H003253-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	< 0.050	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	< 0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.48	GC-NC
Total Xylenes*	<0.150	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	<0.300	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 %	6 73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	105	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	19.6	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	106 %	6 44.3-14	4						
Surrogate: 1-Chlorooctadecane	112 %	6 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene



### Analytical Results For:

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

Received: 12/14/2020 Reported: 12/15/2020

Project Name: K - 14
Project Number: NONE GIVEN
Project Location: ARTESIA

Sampling Date: 12/14/2020

Sampling Type: Soil

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

### Sample ID: A 4 (H003253-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	0.068	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.48	GC-NC
Total Xylenes*	0.672	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	0.740	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	134 %	% 73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	114	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	15.3	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	99.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	104 %	% 42.2-15	6						

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Celey D. Keene



### Analytical Results For:

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

rax IU.

Received: 12/14/2020 Sampling Date: 12/14/2020

Reported: 12/15/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: C 1 (H003253-05)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	QM-07, QR-03
Toluene*	0.106	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	QR-03
Ethylbenzene*	0.149	0.050	12/14/2020	ND	2.01	101	2.00	7.48	QM-07, QR-03
Total Xylenes*	0.406	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	QR-03
Total BTEX	0.660	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 %	6 73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	125	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	19.8	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	95.4 9	% 44.3-14	14						
Surrogate: 1-Chlorooctadecane	101 %	6 42.2-15	6						

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Celeg D. Freene



### Analytical Results For:

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

Fax To: NA

Received: 12/14/2020 Sampling Date: 12/14/2020

Reported: 12/15/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: **ARTESIA** 

### Sample ID: C 2 (H003253-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	0.077	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.48	GC-NC
Total Xylenes*	0.590	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	0.667	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	135 %	73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	13.0	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	218	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	36.4	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	98.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	108 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Fax To: NA

Received: 12/14/2020 Sampling Date: 12/14/2020

Reported: 12/15/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: C 4 (H003253-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	<0.050	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.48	GC-NC
Total Xylenes*	<0.150	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	<0.300	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 %	6 73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	53.4	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	<10.0	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	94.2 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	105 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

12/14/2020

Reported: 12/15/2020

Project Name: K - 14
Project Number: NONE GIVEN
Project Location: ARTESIA

Sampling Date: 12/14/2020

Sampling Type: Soil

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

### Sample ID: E 1 (H003253-08)

Received:

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	<0.050	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.48	GC-NC
Total Xylenes*	<0.150	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	<0.300	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	117 9	73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	106	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	15.6	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	94.2	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.1	% 42.2-15	6						

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Celey D. Keene



12/14/2020

### Analytical Results For:

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

Fax To: NA

Received: 12/14/2020 Sampling Date:

Reported: 12/15/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: E 3 (H003253-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	<0.050	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.48	GC-NC
Total Xylenes*	0.269	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	<0.300	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 9	% 73.3-12	9						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	67.9	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	10.6	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	98.3	% 44.3-14	'4						
Surrogate: 1-Chlorooctadecane	101 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Tax To.

Received: 12/14/2020 Sampling Date: 12/14/2020

Reported: 12/15/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: E 4 (H003253-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	<0.050	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.48	GC-NC
Total Xylenes*	<0.150	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	<0.300	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	118 %	6 73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	40.2	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	<10.0	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	94.0 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	93.8 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



12/14/2020

Tamara Oldaker

### Analytical Results For:

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

Sampling Date:

Sample Received By:

Received: 12/14/2020

NONE GIVEN

Reported: 12/15/2020 Sampling Type: Soil
Project Name: K - 14 Sampling Condition: Cool & Intact

Project Location: ARTESIA

### Sample ID: G 1 (H003253-11)

Project Number:

BTEX 8021B	mg,	'kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	0.072	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	0.261	0.050	12/14/2020	ND	2.01	101	2.00	7.48	
Total Xylenes*	0.543	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	0.876	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	135	% 73.3-12	9						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	44.3	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	<10.0	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	100	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	102	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Fax To: NA

Received: 12/14/2020 Sampling Date: 12/14/2020

Reported: 12/15/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: G 2 (H003253-12)

BTEX 8021B	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	0.084	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	0.149	0.050	12/14/2020	ND	2.01	101	2.00	7.48	
Total Xylenes*	0.464	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	0.697	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	132 9	% 73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	55.3	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	<10.0	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	104 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	106 9	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Fax To: NA

Received: 12/14/2020 Sampling Date: 12/14/2020

Reported: 12/15/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: G 3 (H003253-13)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	<0.050	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.48	GC-NC
Total Xylenes*	<0.150	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	<0.300	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	86.6	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	<10.0	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	103 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	105 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 12/14/2020 Reported: 12/15/2020

Project Name: K - 14 Project Number: NONE GIVEN **ARTESIA** 

Project Location:

Sampling Date: 12/14/2020

Sampling Type: Soil

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

### Sample ID: G 4 (H003253-14)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	0.140	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	< 0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.48	GC-NC
Total Xylenes*	<0.150	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	<0.300	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	129 %	6 73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	75.0	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	11.5	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	95.9 %	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.5 9	% 42.2-15	6						

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Celecy D. Keene



12/14/2020

### Analytical Results For:

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

Fax To: NA

Received: 12/14/2020

Reported: 12/15/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Sampling Date:

Project Location: ARTESIA

### Sample ID: I 1 (H003253-15)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	0.122	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.48	GC-NC
Total Xylenes*	0.450	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	0.572	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	125 9	% 73.3-12	9						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	74.7	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	10.4	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	100 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	99.8	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 12/14/2020 Reported: 12/15/2020

Project Name: K - 14 Project Number: NONE GIVEN **ARTESIA** 

Project Location:

Sampling Date: 12/14/2020

Sampling Type: Soil

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

### Sample ID: I 2 (H003253-16)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	<0.050	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.48	GC-NC
Total Xylenes*	<0.150	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	<0.300	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 %	73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	71.5	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	10.7	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	101 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	101 9	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 12/14/2020 Reported: 12/15/2020

Project Name: K - 14
Project Number: NONE GIVEN

Project Location: ARTESIA

Sampling Date: 12/14/2020

Sampling Type: Soil

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

### Sample ID: I 3 (H003253-17)

BTEX 8021B	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	<0.050	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.48	GC-NC
Total Xylenes*	<0.150	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	<0.300	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 73.3-12	9						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	15.7	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	383	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	71.3	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	98.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	111 9	% 42.2-15	6						

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### Analytical Results For:

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

Fax To: NA

Received: 12/14/2020 Sampling Date: 12/14/2020

Reported: 12/15/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: I 4 (H003253-18)

BTEX 8021B	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	0.053	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.48	GC-NC
Total Xylenes*	0.736	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	0.789	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	140 9	% 73.3-12	9						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	134	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	19.3	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	99.6	% 44.3-14	'4						
Surrogate: 1-Chlorooctadecane	102 9	% 42.2-15	6						

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### Analytical Results For:

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

Received: 12/14/2020 Sampling Date: 12/14/2020

Reported: 12/15/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: X 1 (H003253-19)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	0.075	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	< 0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.48	GC-NC
Total Xylenes*	<0.150	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	<0.300	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	123 %	73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	86.2	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	14.0	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	109 %	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	112 %	6 42.2-15							

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 12/14/2020 Sampling Date: 12/14/2020

Reported: 12/15/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: X 2 (H003253-20)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.29	
Toluene*	0.055	0.050	12/14/2020	ND	1.92	96.2	2.00	6.86	
Ethylbenzene*	<0.050	0.050	12/14/2020	ND	2.01	101	2.00	7.48	GC-NC
Total Xylenes*	<0.150	0.150	12/14/2020	ND	5.75	95.8	6.00	6.98	
Total BTEX	<0.300	0.300	12/14/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	120 %	6 73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2020	ND	242	121	200	0.243	
DRO >C10-C28*	66.8	10.0	12/15/2020	ND	247	124	200	0.713	
EXT DRO >C28-C36	<10.0	10.0	12/15/2020	ND					
Surrogate: 1-Chlorooctane	97.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	96.0	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Fax To: NA

Received: 12/14/2020 Sampling Date: 12/14/2020

Reported: 12/15/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: Y 2 (H003253-21)

BTEX 8021B	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2020	ND	1.98	98.8	2.00	7.88	
Toluene*	0.089	0.050	12/15/2020	ND	1.86	93.1	2.00	8.73	
Ethylbenzene*	<0.050	0.050	12/15/2020	ND	1.93	96.7	2.00	9.51	GC-NC
Total Xylenes*	0.258	0.150	12/15/2020	ND	5.50	91.7	6.00	9.93	
Total BTEX	0.347	0.300	12/15/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	132 9	% 73.3-12	9						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2020	ND	244	122	200	4.98	
DRO >C10-C28*	80.3	10.0	12/14/2020	ND	233	116	200	0.842	
EXT DRO >C28-C36	<10.0	10.0	12/14/2020	ND					
Surrogate: 1-Chlorooctane	101 9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	97.7	% 42.2-15	6						

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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.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Freene

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

Company Name:	00000		RILLIO			
Project Manager:	110V	7			ANALIGIO REGOGO	$\perp$
Address:		0.1	Company:			
City:	State:	Zip:	Attn:			
Phone #:	Fax #:	A	Address:			
Project #:	Project Owner:	0	City:			
Project Name:	K-14	S	State: Zip:		7	*
on:		P	#			
Sampler Name:	Matt	7	Fax #:	3		
FOR LAB USE ONLY		MATRIX	SERV.	SAMPLING		
Lab I.D.	Sample I.D.		/BASE: COOL	TPH Btex		
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nalyses. All claims including those for envice. In no event shall Cardinal be envice. In no event shall Cardinal be infiliates or successors arising out of c	T-C-PASE MVI ET. LIBRIMING AND LIBRIMING AND CHIERT'S EXCUSIVE remote for a which making whether based in contract or tort, shall be limited to the amount paid by the client for the manayses. 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 compiletion of the applicable renvice. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, tiffiates or successors arising out of or related to the performance of services hereunder by Cardinal renardiness or dwarburs earth claims in the sead unconstructed the activated accommon of the control	claim arising whether based in contract or to imed waived unless made in writing and red thout limitation, business interruptions, loss that repardless of whether such claim is by	ort, shall be limited to the amount paid ceived by Cardinal within 30 days after of use, or loss of profits incurred by classed improvement of the other charles are	d by the client for the completion of the applicable lient, its subsidiaries,		
Relinquished By:	Time:	Received By:	01110	Verbal Result: ☐ Yes ☐ No ☐ Add'I Phone #: All Results are emailed. Please provide Email address:	Add'l Phone #: ovide Email address:	
Relinquished By:	1	Received By:	napon	REMARKS:		
Delivered By: (Circle One)	ne) Observed Temp. °C 4,4	Sample	CHECKED BY:	Turnaround Time: Standard	Bacteria (only) S	
Sampler - UPS - Bus - Other:		-	TO,	Thermometer ID #113 Correction Factor None		
	2010-11-0				ı	

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



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

company Name: KXSoil			BILL TO		ANALYSIS REQUEST	
Project Manager: Ma++	+	P	P.O. #:			
Address:		C	Company:			
City:	State: Zip:		Attn:			
Phone #:	Fax #:	A	Address:			
Project #:	Project Owner:	C	City:			
Project Name: K- H		St	State: Zip:			
Project Location:		Pi	#			
Sampler Name: Math		Fa	Fax #:			
FOR LAB USE ONLY		MATRIX	ESERV.	SAMPLING		
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20 $\pm$ 2 (1/4 17:00 )  PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or both shall be limited to the amount and but the client's exclusive remedy for any claim arising whether based in contract or both shall be limited to the amount and but the client's exclusive remedy for any claim arising whether based in contract or both shall be limited to the amount and but the client's exclusive remedy for any claim arising whether based in contract or both shall be limited to the amount and but the client's exclusive remedy for any claim arising whether based in contract or both shall be limited to the amount and but the client's exclusive remedy for any claim arising whether based in contract or both shall be limited to the amount and but the client's exclusive remedy for any claim arising whether based in contract or both shall be limited to the amount and but the client's exclusive remedy for any claim arising whether based in contract or both shall be limited to the amount and but the client's exclusive remedy for any claim arising whether based in contract or both shall be limited to the amount and but the client's exclusive remedy for any claim arising whether the client's exclusive remedy for any claim arising whether the client's exclusive remedy for any claim arising whether the client's exclusive remedy for any claim arising whether the client's exclusive remedy for any claim arising whether the client's exclusive remedy for any claim arising whether the client's exclusive remedy for any claim arising whether the client's exclusive remedy for any claim arising whether the client's exclusive remedy for any claim arising whether the client's exclusive remedy for any claim arising whether the client's exclusive remedy for any claim arising whether the client's exclusive remedy remedy for any claim arising whether the client's exclusive remedy	ability and client's exclusive remedy for any clain	arising whether based in contract or tor	t shall be limited to the amount road	17:00 X X		
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 consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	nd any other cause whatsoever shall be deemed ntal or consequental damages, including withou performance of services hereunder by Cardinal	walved unless made in writing and rece limitation, business interruptions, loss of regardless of whether such claim is bas	wed by Cardinal within 30 days after completion of the fuse, or loss of profits incurred by client, its subsidiarie sed upon any of the above stated reasons or otherwise.	r completion of the applicable lient its subsidiaries, sons or otherwise		
Relinquished By:  MH H	Time; 30	Received By:	The state of the s	ult: □ Yes are emailed. Ple	□ No	
Relinquished By:	Date: Re	Received By:	(	REMARKS:		
Delivered By: (Circle One)	Observed Temp. °C 2,4	- 10	CHECKED BY: (Initials)	Turnaround Time: Standard	lard Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Aves Aves		Thermometer ID #113	□Yes □ Yes	

Corrected Temp. °C



(575) 393-2326 FAX (575) 393-2476

Company Name:	RXSIII	BIL	BILL TO	
Project Manager:	Matt	P.O. #:		איירו איירי איירו איירי איירו איירי איירו איירי
Address:		Company:		
City:	State: Z	Zip: Attn:		
Phone #:	Fax #:	Address:		
Project #:	Project Owner:	City:		
Project Name:	(-)d	State: Zip:	Ď.	
Project Location:		Phone #:		
Sampler Name:	Mart	Fax #:		
FOR LAB USE ONLY	ID.	MATRIX	SAMPLING	
Lab I.D.	Sample I.D.  (G)RAB OR (C)OMP	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	DATE TIME TPH Btex	
2	YZ		15/14 17/21	
LEASE NOTE: Liability and Damag nalyses. All claims including those i proce. In no event shall Cardinal be filiates or successors arising out of or	es. Cardinal's liability and client's exclusive remedy for any dal or negligence and any other cause whatsoever shall be deemv liable for incidental or consequental damages, including withour related to the performance of services hereunder by Cardina	LASE 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 lavies. 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 into event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, filtitates 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 deasons or otherwise.	amount paid by the client for the 10 days after completion of the applicable curred by client, its subsidiaries, resident deasons or otherwise.	
MAH lelinquished By:	Time:	Received By:	ult: □ Yes are emailed. Ple	□ No
Delivered By: (Circle One)	ne) Observed Temp. °C 2.4		Turnaround Time:	
ampler - UPS - Bus - Other:		Cool Intact  Pres Pres  No No		Cool Intact Observed Temp. °C



December 18, 2020

MATTHEW LONGCRIER
RX-SOIL INC.
201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: K - 14

Enclosed are the results of analyses for samples received by the laboratory on 12/17/20 12:10.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab">www.tceq.texas.gov/field/ga/lab</a> accred certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keene

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



### Analytical Results For:

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

Received: 12/17/2020 Reported: 12/18/2020 Project Name: K - 14

Project Number: NONE GIVEN
Project Location: ARTESIA

Sampling Date: 12/17/2020

Sampling Type: Soil

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

### Sample ID: A 1 (H003297-01)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2020	ND	1.74	86.9	2.00	7.36	
Toluene*	<0.050	0.050	12/17/2020	ND	1.83	91.3	2.00	5.61	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.81	90.3	2.00	4.61	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.62	93.7	6.00	3.90	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 73.3-12	9						
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	41.5	10.0	12/17/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	12/17/2020	ND					
Surrogate: 1-Chlorooctane	81.8	% 44.3-14	'4						
Surrogate: 1-Chlorooctadecane	78.6	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Fax To: NA

Received: 12/17/2020 Sampling Date: 12/17/2020

Reported: 12/18/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: A 2 (H003297-02)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2020	ND	1.74	86.9	2.00	7.36	
Toluene*	<0.050	0.050	12/17/2020	ND	1.83	91.3	2.00	5.61	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.81	90.3	2.00	4.61	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.62	93.7	6.00	3.90	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 %	73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	22.8	10.0	12/17/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	12/17/2020	ND					
Surrogate: 1-Chlorooctane	83.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	79.5	% 42.2-15	6						

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Celeg D. Freene

Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Fax To: NA

Received: 12/17/2020 Sampling Date: 12/17/2020

Reported: 12/18/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: A 3 (H003297-03)

BTEX 8021B	mg/	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2020	ND	1.74	86.9	2.00	7.36	
Toluene*	<0.050	0.050	12/17/2020	ND	1.83	91.3	2.00	5.61	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.81	90.3	2.00	4.61	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.62	93.7	6.00	3.90	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	116 %	% 73.3-12	9						
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	41.8	10.0	12/17/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	12/17/2020	ND					
Surrogate: 1-Chlorooctane	84.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	81.4	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Fax To: NA

Received: 12/17/2020 Sampling Date: 12/17/2020

Reported: 12/18/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: A 4 (H003297-04)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2020	ND	1.74	86.9	2.00	7.36	
Toluene*	<0.050	0.050	12/17/2020	ND	1.83	91.3	2.00	5.61	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.81	90.3	2.00	4.61	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.62	93.7	6.00	3.90	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	37.6	10.0	12/17/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	12/17/2020	ND					
Surrogate: 1-Chlorooctane	89.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	86.7	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



12/17/2020

### Analytical Results For:

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

Received: 12/17/2020 Sampling Date:

Reported: 12/18/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: C 1 (H003297-05)

BTEX 8021B	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2020	ND	1.74	86.9	2.00	7.36	
Toluene*	<0.050	0.050	12/17/2020	ND	1.83	91.3	2.00	5.61	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.81	90.3	2.00	4.61	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.62	93.7	6.00	3.90	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 73.3-12	9						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	31.9	10.0	12/17/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	12/17/2020	ND					
Surrogate: 1-Chlorooctane	91.7	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	87.7	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celey D. Kune



### Analytical Results For:

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

Fax To: NA

Received: 12/17/2020 Sampling Date: 12/17/2020

Reported: 12/18/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker Project Number: NONE GIVEN

Project Location: **ARTESIA** 

### Sample ID: C 2 (H003297-06)

BTEX 8021B	mg/	kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2020	ND	1.74	86.9	2.00	7.36	
Toluene*	<0.050	0.050	12/17/2020	ND	1.83	91.3	2.00	5.61	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.81	90.3	2.00	4.61	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.62	93.7	6.00	3.90	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 %	73.3-12	9						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	41.1	10.0	12/17/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	12/17/2020	ND					
Surrogate: 1-Chlorooctane	86.9	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	83.0	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celecy D. Keene



### Analytical Results For:

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

Fax To: NA

Received: 12/17/2020 Sampling Date: 12/17/2020

Reported: 12/18/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: **ARTESIA** 

### Sample ID: E 1 (H003297-07)

BTEX 8021B	mg,	'kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2020	ND	1.74	86.9	2.00	7.36	
Toluene*	<0.050	0.050	12/17/2020	ND	1.83	91.3	2.00	5.61	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.81	90.3	2.00	4.61	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.62	93.7	6.00	3.90	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 73.3-12	9						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	49.3	10.0	12/17/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	12/17/2020	ND					
Surrogate: 1-Chlorooctane	85.4	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	82.1	% 42.2-15	6						

Cardinal Laboratories \*=Accredited Analyte

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Celeg D. Keine



### Analytical Results For:

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

Received: 12/17/2020 Reported: 12/18/2020

Project Name: K - 14
Project Number: NONE GIVEN
Project Location: ARTESIA

Sampling Date: 12/17/2020

Sampling Type: Soil

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

### Sample ID: I 3 (H003297-08)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2020	ND	1.74	86.9	2.00	7.36	
Toluene*	<0.050	0.050	12/17/2020	ND	1.83	91.3	2.00	5.61	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.81	90.3	2.00	4.61	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.62	93.7	6.00	3.90	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 73.3-12	9						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	43.0	10.0	12/17/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	12/17/2020	ND					
Surrogate: 1-Chlorooctane	83.6	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	80.4	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 12/17/2020 Sampling Date: 12/17/2020

Reported: 12/18/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: I 4 (H003297-09)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2020	ND	1.74	86.9	2.00	7.36	
Toluene*	<0.050	0.050	12/17/2020	ND	1.83	91.3	2.00	5.61	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.81	90.3	2.00	4.61	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.62	93.7	6.00	3.90	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 73.3-12	9						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	95.8	10.0	12/17/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	12/17/2020	ND					
Surrogate: 1-Chlorooctane	91.5	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	89.5	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### Analytical Results For:

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

Received: 12/17/2020 Sampling Date: 12/17/2020

Reported: 12/18/2020 Sampling Type: Soil

Project Name: K - 14 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: ARTESIA

### Sample ID: X 1 (H003297-10)

BTEX 8021B	mg,	/kg	Analyze	d By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/17/2020	ND	1.74	86.9	2.00	7.36	
Toluene*	<0.050	0.050	12/17/2020	ND	1.83	91.3	2.00	5.61	
Ethylbenzene*	<0.050	0.050	12/17/2020	ND	1.81	90.3	2.00	4.61	
Total Xylenes*	<0.150	0.150	12/17/2020	ND	5.62	93.7	6.00	3.90	
Total BTEX	<0.300	0.300	12/17/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 73.3-12	9						
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/17/2020	ND	182	91.2	200	2.71	
DRO >C10-C28*	76.5	10.0	12/17/2020	ND	180	89.8	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	12/17/2020	ND					
Surrogate: 1-Chlorooctane	80.8	% 44.3-14	4						
Surrogate: 1-Chlorooctadecane	79.0	% 42.2-15	6						

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Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch

accepted based on LCS and/or LCSD recovery and/or RPD values.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

\*\*\* Insufficient time to reach temperature.

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

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

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Celey D. Keene



(575) 393-2326	575) 393-2326 FAX (575) 393-2476	6			ANALYSIS REQUEST	
Company Name: RXS0:1			BILL TO			
Matt	Longinal		P.O. #:			_
Address:	<		Company:			
City:	State: Z	Zip:	Attn:			
Phone #:	Fax #:		Address:			
Project #:	Project Owner:	×.	City:			
Project Name: K-14			State: Zip:			
Coordination:			Phone #:			
M			Fax #:			
Sampler Name:		MATRIX	PRESERV. SAMPLING	ING		
FOR LAB USE ONLY		R		°H		
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service. In no event shall Cardinal be liable for incidental or consequental damages, including without intrinsicular incidental consequental damages, including without intrinsicular incidental consequental damages, including without intrinsicular incidental or consequental damages, including without interest incidental or consequental damages, including without intrinsicular incidental or consequental damages, including without intrinsicular incidental or consequental damages, including without intrinsicular incidental or consequental damages, including without interest incidental or consequental damages, incidental or consequental damages, incidental or consequental damages, incidental or consequental damages, incidental or consequental damag	or consequental damages, including ormance of services hereunder by C	ardinal, regardless of whether such clair	m is based upon any of the above stated re-	Yes	□ No Add'I Phone #:	
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Relinquished By.	Date:	Received By:				
Delivered By: (Circle One)	Observed Temp. °C		유	Turnaround Time: Stan	Standard Bacteria (only) Sample Condition  Rush Cool Intact Observed Temp. °C	p. °C
Complex line Bus Other	Corrected Temp. °C	Yes Yes	les do .	Thermometer ID #113 Correction Factor None	☐ Nc ☐ No Corrected Temp. °C	p. °C

### **END OF REPORT**

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

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

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

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

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

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

CONDITIONS

Action 20933

### **CONDITIONS OF APPROVAL**

Operator	Operator:				Action Number:	Action Type:
	APACHE CORPORATION	303 Veterans Airpark Ln		873	20933	C-141
#1000	Midland, TX79705					

OCD Reviewer	Condition
chensley	None