

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

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

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

Incident ID	nAPP2101857967
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party: Cimarex Energy Co.	OGRID: 215099
Contact Name: Laci Luig	Contact Telephone: (432) 571-7800
Contact email: llug@cimarex.com	Incident # (assigned by OCD) nAPP2101857967
Contact mailing address: 600 N Marienfeld Street, Ste. 600 Midland, TX 79701	

Location of Release Source

Latitude 32.06744 _____ Longitude -103.701799 _____
(NAD 83 in decimal degrees to 5 decimal places)

Site Name: Hallertau 5 Federal Battery	Site Type: Battery
Date Release Discovered: 1/17/2021	API# (if applicable)

Unit Letter	Section	Township	Range	County
M	5	26S	32E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 150	Volume Recovered (bbls) 40
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release: Corrosion

A hole developed in the 8-inch water line in between the separators and the gun barrel due to corrosion. We released 150 barrels of produced water outside of containment and we were able to recover 40 barrels.

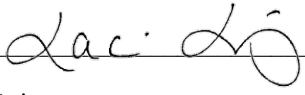
State of New Mexico
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? Amount of release greater than 25 barrels.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? By: Gloria Garza To: EMNRD OCD District 1 Spills, Robert Hamlet, Cristina Eads, BLM NM CFO Spill By: Email	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Laci Luig	Title: ESH Specialist
Signature: 	Date: 1/18/2021
email: llug@cimarex.com	Telephone: (432) 208-3035
<u>OCD Only</u>	
Received by: _____	Date: _____

Incident ID	nAPP2101857967
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Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>155</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

State of New Mexico
Oil Conservation Division

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

Printed Name: Laci Luig_____ Title: ESH Specialist_____

Signature: _____ Date: 2/18/2021_____

email: lluig@cimarex.com_____ Telephone: (432) 208-3035_____

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2101857967
District RP	
Facility ID	
Application ID	

Remediation Plan

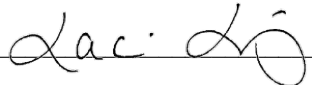
Remediation Plan Checklist: *Each of the following items must be included in the plan.*

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

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

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

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

Printed Name: Laci Luig _____ Title: ESH Specialist _____
Signature:  _____ Date: 2/18/2021 _____
email: lluig@cimarex.com _____ Telephone: (432) 208-3035 _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: _____ Date: _____



February 12, 2021

NMOCD District 1
1625 N French Drive
Hobbs, NM 88240

Re: Variance Request
Cimarex Energy Co. Hallertau #5 Battery
NMOCD Reference #: nAPP2101857967

To Whom It May Concern

RXSoil, Inc. is pleased to submit the variance request for the remediation of produced water impacted soil for the above release.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jace Caraway".

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

A handwritten signature in black ink, appearing to read "Zach Robbins".

Zach Robbins
Technical and Engineering Analyst
RXSoil, Inc.
(210) 400-7645

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I. Introduction

On behalf of Cimarex Energy Co., RXSoil, Inc. ("RXSoil") has prepared this variance request that describes remediation of the release at the Hallertau #5 tank battery (Coordinates: 32.06736, -103.70277, Vicinity Map shown as *Figure 1*) in Lea County with reference number nAPP2101857967.

The C-141 is given in *Appendix A*.

II. Site Assessment/Characterization

1. **Spill Map** – See *Figure 2*
2. **Depth to ground water** – The nearest water well is less than one mile to the west of the location with a depth to groundwater of 155 feet (see *Figure 3* for map and *Appendix B* for water well information).
3. **Wellhead protection area** – There are no known water sources within a half mile of the release.
4. **Distance to nearest significant watercourse** – There are no significant watercourses within a half mile of the release.
5. **Soil/waste characteristics** – The release was delineated horizontally and vertically during excavation. Excavation was guided by field data, testing soil samples until results showed chloride levels below 600 mg/kg at the top four feet, per 19.15.29.13.D.1. Sidewall and bottom sample locations are shown in *Figure 2* with a summary table given as *Appendix C*. Each sample represents less than 200 square feet. Excavation went vertically and horizontally until clean soil was found (600 mg/kg chloride per field testing at top four feet and 20,000 mg/kg below the top four feet per Table 1). Soil samples were submitted to Cardinal Laboratories and tested for chlorides, TPH and BTEX. All samples tested below Table 1 thresholds for projects with depth to groundwater >100 feet, except for those listed in **Section IV**. Results from these tests are summarized in *Appendix C* with the laboratory report shown in *Appendix D*.

III. Closure Reporting

1. **Scaled site and sampling diagram** – See *Figure 2* for excavation samples.
2. **Photographs of remediated site prior to backfill** – See *Appendix E* for photographs of the site prior to backfill.
3. **Laboratory analyses of final sampling** - See *Appendix D* for laboratory reports summarized in *Appendix B*.
4. **Description of all remedial activities** – Excavation of contaminated material began based on the area affected by the spill. Sidewall samples were collected representing 200 square feet and field screened for chlorides. Excavation continued until all field screenings tested below threshold (600 mg/kg chloride at top four feet and 20,000 mg/kg below). Vertical excavation continued using the same process. Sample locations are shown in *Figure 2* while results are summarized in a table in *Appendix B*.

RXSoil, Inc.

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

Sidewall and bottom samples were taken using a stainless-steel hand shovel. 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 in the EPA handbook).

All lab reports of sampling can be found in *Appendix D*.

IV. Variance Request

Sidewall samples ES11 and ES13 and bottom samples EB62, EB63 and EB64 were taken adjacent to equipment that prevented any further safe excavation. EB62, EB63 and EB64 were taken from a depth of 0.5 feet as a rock layer prevented further sampling and vertical excavation. Best efforts were made to remove all contaminated material including hydroexcavation. RXSoil is requesting a variance to defer the areas represented by these five samples.

At the request of the BLM, RXSoil is requesting a variance to place a 20-mil polyliner on the subsurface in the areas represented by samples EB45, EB59 and EB60 which tested at 2520 mg/kg, 2000 mg/kg and 6800 mg/kg chloride at a depth of four feet. The bottom of the plume was identified at six feet deep, per request of the BLM.


If approved, the liner will be installed and backfill will commence. A closure request will be prepared and submitted summarizing all remedial events.

RXSoil, Inc.

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

Figure 1 - vicinity map

Legend

-  Hallertau 5 Federal Tank Battery

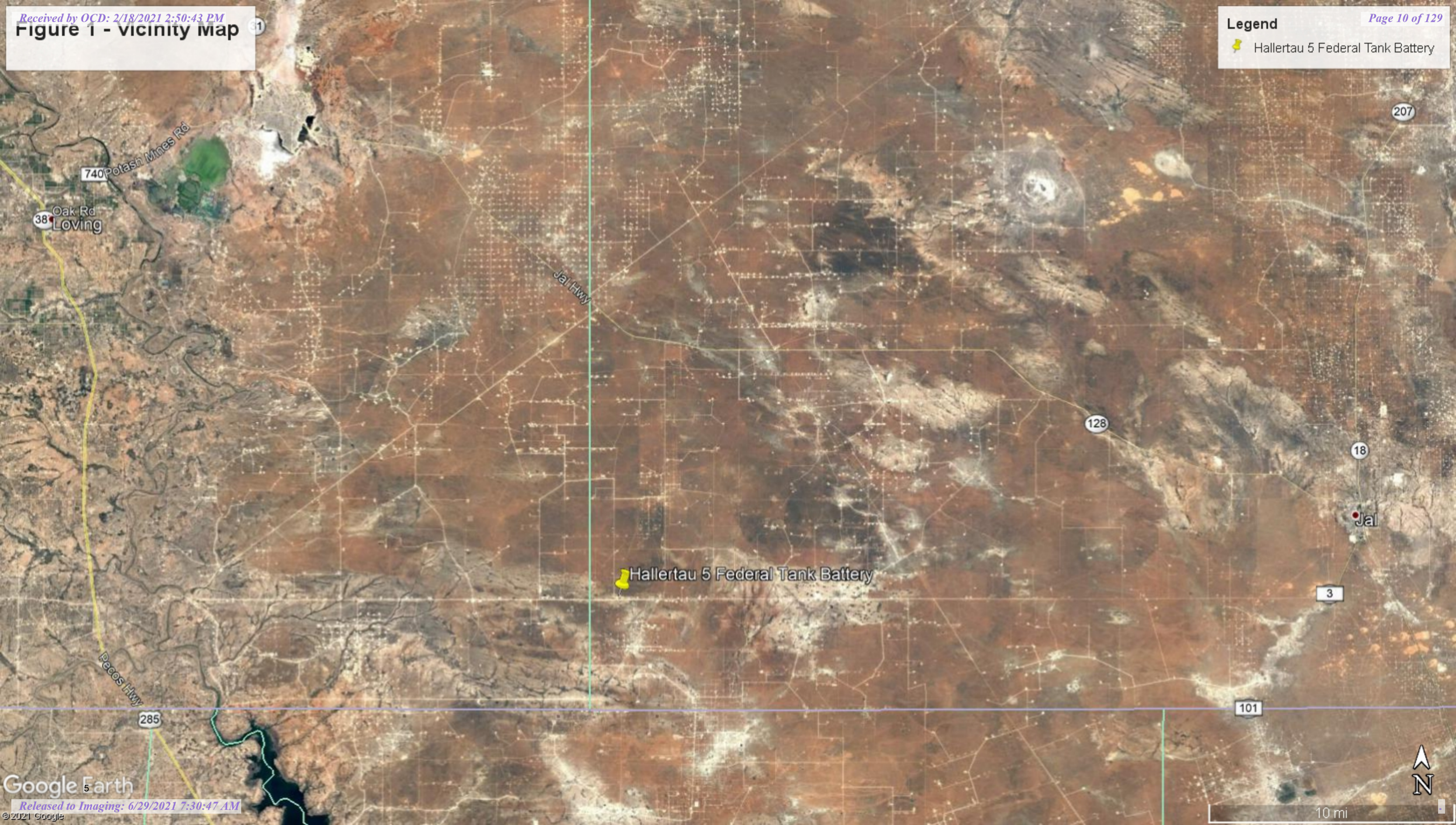


Figure 2 - Spill Map

Legend

- Bottom Sample Location
- Excavation Outline
- Sidewall Sample Location

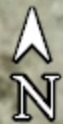
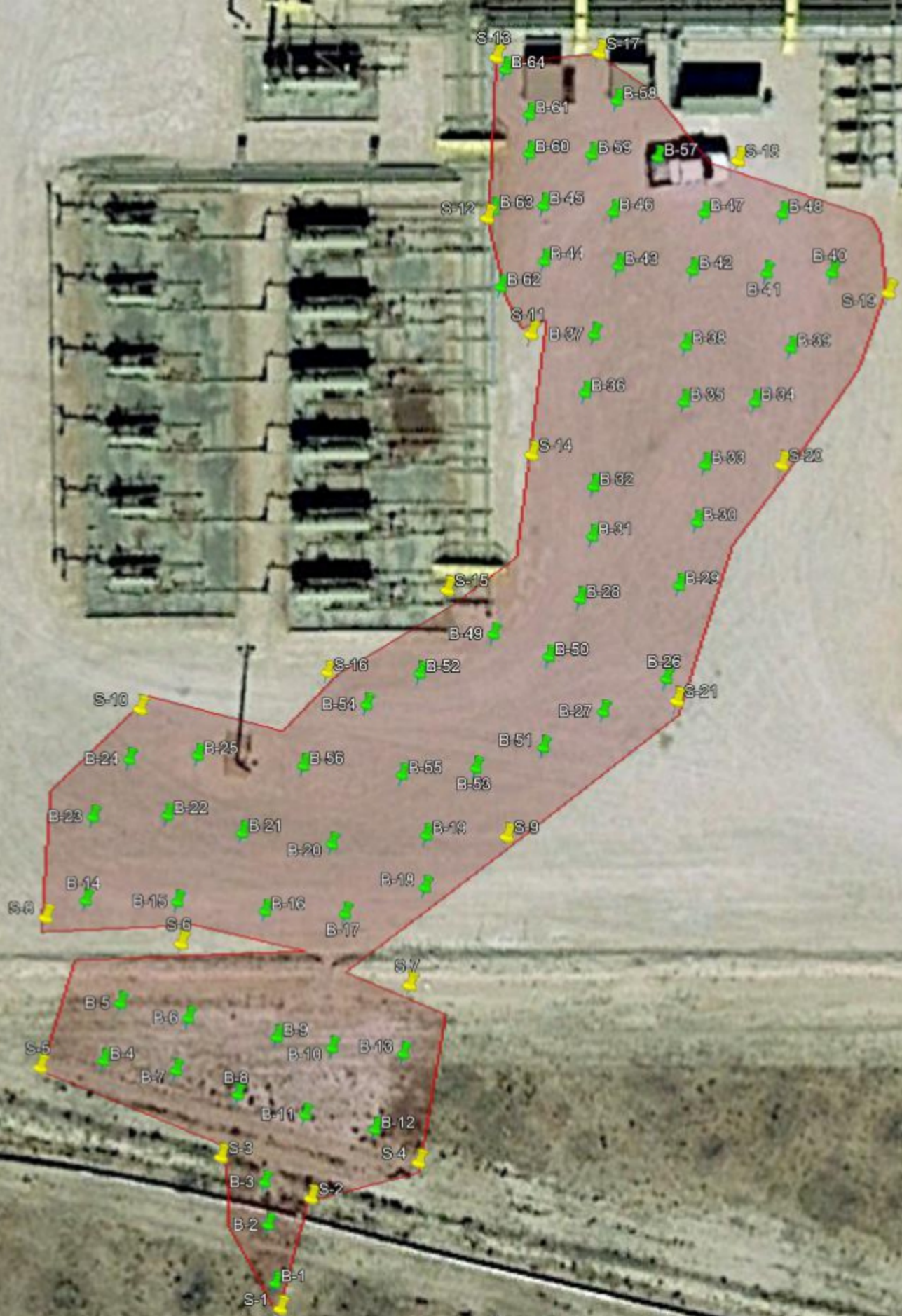
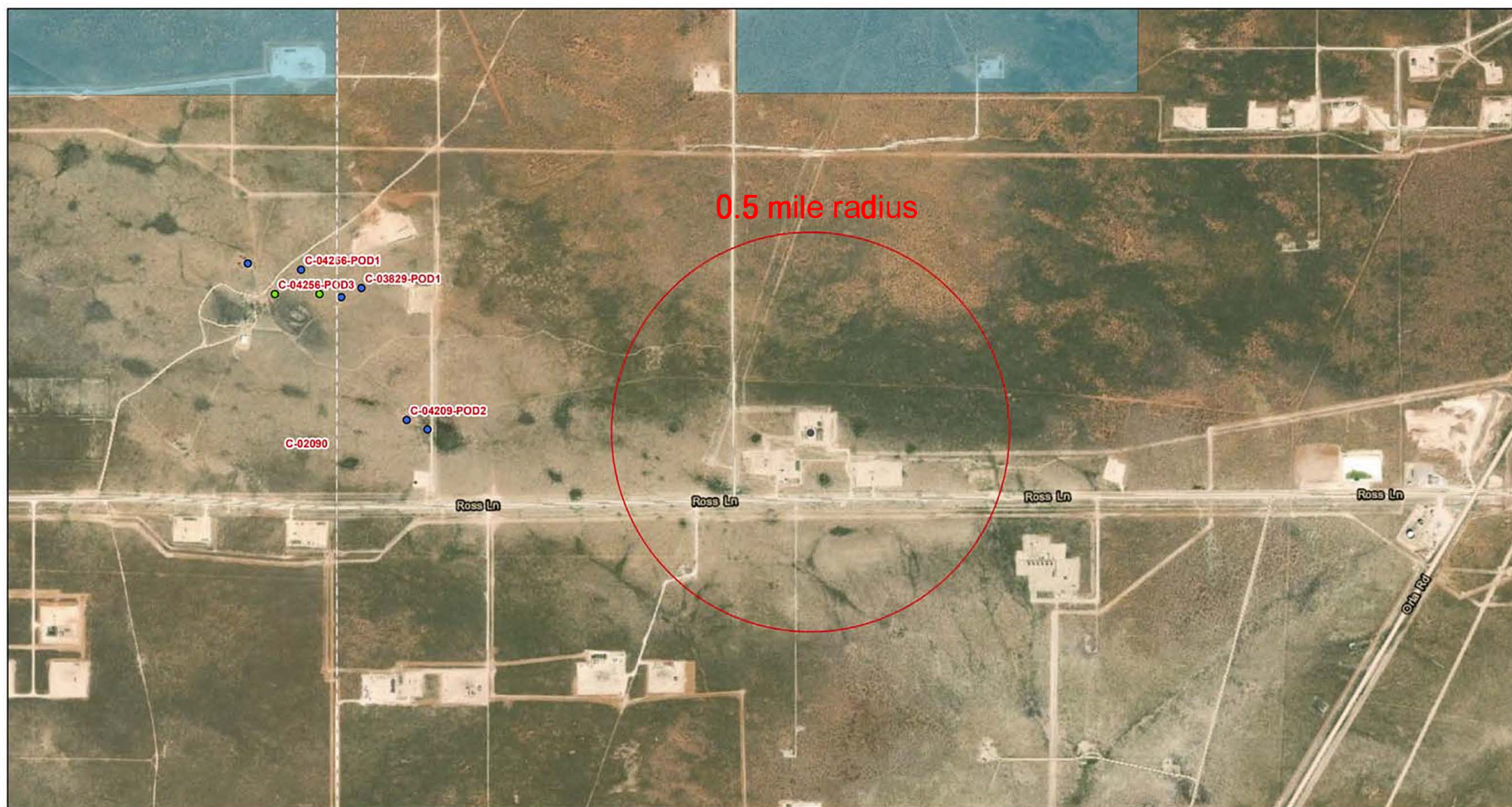


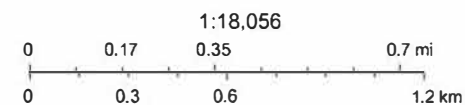
Figure 3 - Water Rights Map



1/20/2021, 1:33:23 PM

GIS WATERS PODs OSE District Boundary Site Boundaries

- Active
- Pending
- New Mexico State Trust Lands
- Both Estates



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

The New Mexico Office of the State Engineer (OSE) provides this geographic data and any associated metadata "as is" without warranty of any kind, including but not limited to its completeness, fitness for a particular use, or accuracy of its content, positional or otherwise. It is the sole responsibility of the user to

APPENDIX A

C-141

RXSoil, Inc.

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

Incident ID	nAPP2101857967
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>155</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

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

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

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

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

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Printed Name: Laci Luig _____ Title: ESH Specialist _____

Signature: Laci Luig _____ Date: 2/18/2021 _____

email: llug@cimarex.com _____ Telephone: (432) 208-3035 _____

OCD Only

Received by: _____ Date: _____

Incident ID	nAPP2101857967
District RP	
Facility ID	
Application ID	

Remediation Plan

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

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
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- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

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- ☒ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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Printed Name: Laci Luig _____ Title: ESH Specialist _____
Signature: Laci Luig _____ Date: 2/18/2021 _____
email: lluig@cimarex.com _____ Telephone: (432) 208-3035 _____

OCD Only

Received by: Chad Hensley _____ Date: 06/29/2021 _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☒ Deferral Approved

Signature: Chad Hensley _____ Date: 06/29/2021 _____

APPENDIX B

NEARBY WATER WELL INFORMATION


RXSoil, Inc.

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



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are smallest to largest)						(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tw	Rng	X	Y
NA	C 04209 POD1	2	3	3	06	26S	32E	620903	3548619 
x									
Driller License:	1706	Driller Company:		ELITE DRILLERS CORPORATION					
Driller Name:	BRYCE WALLACE								
Drill Start Date:	04/28/2018	Drill Finish Date:		05/01/2018		Plug Date:			
Log File Date:	05/21/2018	PCW Rcv Date:						Source:	Shallow
Pump Type:		Pipe Discharge Size:						Estimated Yield:	25 GPM
Casing Size:	6.00	Depth Well:		360 feet		Depth Water:		155 feet	
x									
Water Bearing Stratifications:				Top	Bottom	Description			
				15	350	Sandstone/Gravel/Conglomerate			
x									
Casing Perforations:				Top	Bottom				
				200	360				

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

2/5/21 1:42 PM

POINT OF DIVERSION SUMMARY

APPENDIX C

EXCAVATION SUMMARY TABLE

RXSoil, Inc.

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

APPENDIX D

LABORATORY REPORTS

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



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

February 03, 2021

MATTHEW LONGCRIER

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: HALLERTAN #5

Enclosed are the results of analyses for samples received by the laboratory on 01/29/21 16:40.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 1 (H210229-01)

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	02/01/2021	ND	2.08	104	2.00	4.93	
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41	
Total BTEX	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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
Chloride	160	16.0	02/02/2021	ND	400	100	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	02/01/2021	ND	169	84.4	200	7.62	
DRO >C10-C28*	<10.0	10.0	02/01/2021	ND	170	85.2	200	7.52	
EXT DRO >C28-C36	<10.0	10.0	02/01/2021	ND					

Surrogate: 1-Chlorooctane 97.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 2 (H210229-02)

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	02/01/2021	ND	2.08	104	2.00	4.93	
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41	
Total BTEx	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/02/2021	ND	400	100	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	02/01/2021	ND	169	84.4	200	7.62	
DRO >C10-C28*	<10.0	10.0	02/01/2021	ND	170	85.2	200	7.52	
EXT DRO >C28-C36	<10.0	10.0	02/01/2021	ND					

Surrogate: 1-Chlorooctane 93.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 94.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 3 (H210229-03)

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	02/01/2021	ND	2.08	104	2.00	4.93	
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41	
Total BTEx	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/02/2021	ND	400	100	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	02/01/2021	ND	169	84.4	200	7.62	
DRO >C10-C28*	<10.0	10.0	02/01/2021	ND	170	85.2	200	7.52	
EXT DRO >C28-C36	<10.0	10.0	02/01/2021	ND					

Surrogate: 1-Chlorooctane 90.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 4.2 (H210229-04)

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	02/01/2021	ND	2.08	104	2.00	4.93	
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41	
Total BTEx	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/02/2021	ND	400	100	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	02/01/2021	ND	169	84.4	200	7.62	
DRO >C10-C28*	<10.0	10.0	02/01/2021	ND	170	85.2	200	7.52	
EXT DRO >C28-C36	<10.0	10.0	02/01/2021	ND					

Surrogate: 1-Chlorooctane 86.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 5.2 (H210229-05)

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	02/01/2021	ND	2.08	104	2.00	4.93	
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41	
Total BTEx	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/02/2021	ND	400	100	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	02/01/2021	ND	169	84.4	200	7.62	
DRO >C10-C28*	<10.0	10.0	02/01/2021	ND	170	85.2	200	7.52	
EXT DRO >C28-C36	<10.0	10.0	02/01/2021	ND					

Surrogate: 1-Chlorooctane 91.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 6.2 (H210229-06)

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	02/01/2021	ND	2.08	104	2.00	4.93	
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41	
Total BTEx	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/02/2021	ND	400	100	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	02/01/2021	ND	169	84.4	200	7.62	
DRO >C10-C28*	<10.0	10.0	02/01/2021	ND	170	85.2	200	7.52	
EXT DRO >C28-C36	<10.0	10.0	02/01/2021	ND					

Surrogate: 1-Chlorooctane 96.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 7.3 (H210229-07)

BTX 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	02/01/2021	ND	2.08	104	2.00	4.93		
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74		
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72		
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41		
Total BTX	<0.300	0.300	02/01/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 88.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 8.2 (H210229-08)

BTX 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	02/01/2021	ND	2.08	104	2.00	4.93		
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74		
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72		
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41		
Total BTX	<0.300	0.300	02/01/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 96.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.7 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 9.2 (H210229-09)

BTX 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	02/01/2021	ND	2.08	104	2.00	4.93		
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74		
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72		
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41		
Total BTX	<0.300	0.300	02/01/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 97.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 10.2 (H210229-10)

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	02/01/2021	ND	2.08	104	2.00	4.93	
Toluene*	<0.050	0.050	02/01/2021	ND	2.00	99.8	2.00	4.74	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	1.96	97.9	2.00	5.72	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	5.82	97.0	6.00	5.41	
Total BTEx	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 11.3 (H210229-11)

BTX 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	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTX	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3080	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 94.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 12.3 (H210229-12)

BTX 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	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTX	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 93.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 13.3 (H210229-13)

BTX 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	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTX	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 87.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 14.2 (H210229-14)

BTX 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	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTX	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 97.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 15.3 (H210229-15)

BTX 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	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTX	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 96.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.7 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 16 (H210229-16)

BTX 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	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTX	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 96.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 17 (H210229-17)

BTX 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	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTX	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 18 (H210229-18)

BTX 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	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTX	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/29/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 19.3 (H210229-19)

BTX 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	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTX	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 20 (H210229-20)

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	02/01/2021	ND	2.07	104	2.00	6.30		
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07		
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44		
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64		
Total BTEx	<0.300	0.300	02/01/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 104 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E S - 21 (H210229-21)

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	02/01/2021	ND	2.07	104	2.00	6.30		
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07		
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44		
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64		
Total BTEx	<0.300	0.300	02/01/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	10.5	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 90.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 1.2 (H210229-22)

BTX 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	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTX	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 2.2 (H210229-23)

BTX 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	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTX	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 98.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 3 (H210229-24)

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	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEx	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 97.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 4 (H210229-25)

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	02/01/2021	ND	2.07	104	2.00	6.30		
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07		
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44		
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64		
Total BTEx	<0.300	0.300	02/01/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	
Chloride	128	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 98.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 5 (H210229-26)

BTX 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	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTX	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	177	88.7	200	8.78	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	170	85.1	200	3.55	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 88.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 6 (H210229-27)

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	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTEx	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/02/2021	ND	400	100	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	02/01/2021	ND	183	91.3	200	3.67	
DRO >C10-C28*	<10.0	10.0	02/01/2021	ND	197	98.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/01/2021	ND					

Surrogate: 1-Chlorooctane 99.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 103 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 7 (H210229-28)

BTX 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	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTX	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/02/2021	ND	400	100	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	02/01/2021	ND	183	91.3	200	3.67	
DRO >C10-C28*	<10.0	10.0	02/01/2021	ND	197	98.6	200	14.0	
EXT DRO >C28-C36	<10.0	10.0	02/01/2021	ND					

Surrogate: 1-Chlorooctane 90.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 8 (H210229-29)

BTX 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	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTX	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 90.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 9 (H210229-30)

BTX 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	02/01/2021	ND	2.07	104	2.00	6.30	
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	7.07	
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	107	2.00	7.44	
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.70	112	6.00	6.64	
Total BTX	<0.300	0.300	02/01/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 89.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 10.2 (H210229-31)

BTX 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	02/01/2021	ND	2.13	106	2.00	7.58		
Toluene*	<0.050	0.050	02/01/2021	ND	2.16	108	2.00	5.97		
Ethylbenzene*	<0.050	0.050	02/01/2021	ND	2.15	108	2.00	6.20		
Total Xylenes*	<0.150	0.150	02/01/2021	ND	6.80	113	6.00	7.34		
Total BTX	<0.300	0.300	02/01/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 93.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 95.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 11 (H210229-32)

BTX 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	02/02/2021	ND	2.13	106	2.00	7.58		
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97		
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20		
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34		
Total BTX	<0.300	0.300	02/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	
Chloride	176	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 89.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 12 (H210229-33)

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	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEx	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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
Chloride	144	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 96.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 96.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 13 (H210229-34)

BTX 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	02/02/2021	ND	2.13	106	2.00	7.58		
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97		
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20		
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34		
Total BTX	<0.300	0.300	02/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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
Chloride	128	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 99.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 101 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 14 (H210229-35)

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	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEx	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 98.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 15 (H210229-36)

BTX 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	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 92.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 16.2 (H210229-37)

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	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEx	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 17 (H210229-38)

BTX 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	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 96.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 93.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 18 (H210229-39)

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	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEx	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 100 % 44.3-144

Surrogate: 1-Chlorooctadecane 97.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 19 (H210229-40)

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	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEx	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 94.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 20 (H210229-41)

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	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEx	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 99.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 21 (H210229-42)

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	02/02/2021	ND	2.13	106	2.00	7.58		
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97		
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20		
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34		
Total BTEx	<0.300	0.300	02/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 93.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 92.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 22 (H210229-43)

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	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEx	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 93.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 91.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 23 (H210229-44)

BTX 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	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 99.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 24 (H210229-45)

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	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEx	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	170	84.9	200	9.64	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	174	87.1	200	8.81	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 99.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 98.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/27/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 25 (H210229-46)

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	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEx	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	173	86.6	200	6.25	QR-03
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 102 % 44.3-144

Surrogate: 1-Chlorooctadecane 108 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 26.2 (H210229-47)

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	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEx	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	02/02/2021	ND	400	100	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	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 101 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 27.2 (H210229-48)

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	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEx	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	02/02/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 96.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 102 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 28.2 (H210229-49)

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	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEx	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	02/02/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 71.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 29.2 (H210229-50)

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	02/02/2021	ND	2.13	106	2.00	7.58	
Toluene*	<0.050	0.050	02/02/2021	ND	2.16	108	2.00	5.97	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.15	108	2.00	6.20	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.80	113	6.00	7.34	
Total BTEx	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	02/02/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 77.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.7 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 30.2 (H210229-51)

BTX 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	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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
Chloride	464	16.0	02/02/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 77.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 31.2 (H210229-52)

BTX 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	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	02/02/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 75.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 32.2 (H210229-53)

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	02/02/2021	ND	2.12	106	2.00	4.35		
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63		
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26		
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25		
Total BTEx	<0.300	0.300	02/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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
Chloride	496	16.0	02/02/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 81.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 33.2 (H210229-54)

BTX 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	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	02/02/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 75.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 34.2 (H210229-55)

BTX 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	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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
Chloride	1010	16.0	02/02/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 74.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 35 (H210229-56)

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	02/02/2021	ND	2.12	106	2.00	4.35		
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63		
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26		
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25		
Total BTEx	<0.300	0.300	02/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	02/02/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 77.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 36.2 (H210229-57)

BTX 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	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	02/02/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 75.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 37 (H210229-58)

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	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEx	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	02/02/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 75.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 38.2 (H210229-59)

BTX 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	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	02/02/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 80.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
Reported: 02/03/2021
Project Name: HALLERTAN #5
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 01/28/2021
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Celey D. Keene

Sample ID: E B - 39.2 (H210229-60)

BTX 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	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1340	16.0	02/02/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 81.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 40.2 (H210229-61)

BTX 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	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	02/02/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 86.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 90.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 41.2 (H210229-62)

BTX 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	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	02/02/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 81.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 84.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 42.2 (H210229-63)

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	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTEx	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	02/02/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 76.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 43.2 (H210229-64)

BTX 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	02/02/2021	ND	2.12	106	2.00	4.35		
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63		
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26		
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25		
Total BTX	<0.300	0.300	02/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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
Chloride	512	16.0	02/02/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 78.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 44 (H210229-65)

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	02/02/2021	ND	2.12	106	2.00	4.35		
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63		
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26		
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25		
Total BTEx	<0.300	0.300	02/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	02/02/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	173	86.6	200	6.25	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	164	81.8	200	5.85	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 71.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 45.2 (H210229-66)

BTX 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	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2520	16.0	02/02/2021	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 80.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 71.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 46.2 (H210229-67)

BTX 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	02/02/2021	ND	2.12	106	2.00	4.35		
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63		
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26		
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25		
Total BTX	<0.300	0.300	02/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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
Chloride	976	16.0	02/02/2021	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 80.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 70.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 47.2 (H210229-68)

BTX 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	02/02/2021	ND	2.12	106	2.00	4.35	
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

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	02/02/2021	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	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 74.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 66.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 48 (H210229-69)

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	02/02/2021	ND	2.12	106	2.00	4.35		
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63		
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26		
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25		
Total BTEx	<0.300	0.300	02/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/02/2021	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	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 73.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 66.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 49.2 (H210229-70)

BTX 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	02/02/2021	ND	2.12	106	2.00	4.35		
Toluene*	<0.050	0.050	02/02/2021	ND	2.06	103	2.00	4.63		
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.02	101	2.00	5.26		
Total Xylenes*	<0.150	0.150	02/02/2021	ND	5.94	99.0	6.00	5.25		
Total BTX	<0.300	0.300	02/02/2021	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1180	16.0	02/02/2021	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	02/02/2021	ND	229	115	200	1.66		
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24		
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND						

Surrogate: 1-Chlorooctane 78.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.6 % 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: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 50.2 (H210229-71)

BTX 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	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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
Chloride	160	16.0	02/02/2021	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	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 77.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 69.4 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 51 (H210229-72)

BTX 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	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/02/2021	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	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 80.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 52 (H210229-73)

BTX 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	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	02/02/2021	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	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 76.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 71.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 53 (H210229-74)

BTX 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	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	02/02/2021	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	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 86.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.2 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 54.2 (H210229-75)

BTX 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	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	02/02/2021	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	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 85.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.0 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 55 (H210229-76)

BTX 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	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	02/02/2021	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	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 77.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 72.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 56 (H210229-77)

BTX 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	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	02/02/2021	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	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 80.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 57 (H210229-78)

BTX 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	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	02/02/2021	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	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 80.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 58 (H210229-79)

BTX 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	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	02/02/2021	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	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 80.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 59 (H210229-80)

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	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTEx	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	02/02/2021	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	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 84.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.6 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 60 (H210229-81)

BTX 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	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6800	16.0	02/02/2021	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	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 84.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 61 (H210229-82)

BTX 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	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/02/2021	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	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 81.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 62 (H210229-83)

BTX 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	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2760	16.0	02/02/2021	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	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	44.4	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 74.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 71.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 63 (H210229-84)

BTX 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	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4640	16.0	02/02/2021	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	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 82.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.6 % 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: 01/29/2021
 Reported: 02/03/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 01/28/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Celey D. Keene

Sample ID: E B - 64 (H210229-85)

BTX 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	02/02/2021	ND	2.05	102	2.00	3.44	
Toluene*	<0.050	0.050	02/02/2021	ND	2.11	105	2.00	2.19	
Ethylbenzene*	<0.050	0.050	02/02/2021	ND	2.10	105	2.00	2.46	
Total Xylenes*	<0.150	0.150	02/02/2021	ND	6.62	110	6.00	2.07	
Total BTX	<0.300	0.300	02/02/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10000	16.0	02/02/2021	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	02/02/2021	ND	229	115	200	1.66	
DRO >C10-C28*	<10.0	10.0	02/02/2021	ND	235	117	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	02/02/2021	ND					

Surrogate: 1-Chlorooctane 80.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.8 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: KX Soil		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Matt Longner		Company:					
Address:		Attn:					
City:		State:		Zip:			
Phone #:		Fax #:		City:		Address:	
Project #:		Project Owner:		State:		Zip:	
Project Name: Hallertau #5		Phone #:					
Project Location:		Fax #:					
Sampler Name: Matt		FOR LAB USE ONLY					
Lab I.D.		Sample I.D.					
H210229							
01		E S-1		(G)RAB OR (C)OMP.			
02		E S-2		# CONTAINERS			
03		E S-3		GROUNDWATER			
04		E S-4.2		WASTEWATER			
05		E S-5.2		<input checked="" type="checkbox"/> SOIL			
06		E S-6.2		OIL			
07		E S-7.3		SLUDGE			
08		E S-8.2		OTHER:			
09		E S-9.2		ACID/BASE:			
10		E S-10.2		ICE / COOL			
				OTHER:			
				DATE		TIME	
				1/27		1/27	
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101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: KX Soil		P.O. #:		BILL TO		ANALYSIS REQUEST																													
Project Manager:		Company:																																	
Address:		Attn:																																	
City:		Address:																																	
Phone #:		City:																																	
Fax #:		State:																																	
Project #:		Zip:																																	
Project Name:		Phone #:																																	
Project Location:		Fax #:																																	
Sampler Name:																																			
FOR LAB USE ONLY																																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		TPH		bTEX		Chlorides	
H210239		E S-11.3		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
11		E S-12.3		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
12		E S-13.3		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
13		E S-14.2		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
14		E S-15.3		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
15		E S-16		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
16		E S-17		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
17		E S-18		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
18		E S-19.3		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
19		E S-20		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓		✓			
20																																			

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Relinquished By: *[Signature]* Date: **1-21** Received By: *[Signature]* Date: **1-21**

Relinquished By: *[Signature]* Date: **1-21** Received By: *[Signature]* Date: **1-21**

Delivered By: (Circle One) **4.6°C** Sample Condition **Intact** CHECKED BY: **Cal #113**

Sampler - UPS - Bus - Other: **4.6°C** Cool ☒ Yes ☐ No ☐ No

REMARKS:

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: KX So'l		P. O. #:		BILL TO										ANALYSIS REQUEST													
Project Manager:		Company:																									
Address:		Attn:																									
City:		State:		Zip:																							
Phone #:		Fax #:																									
Project #:		Project Owner:																									
Project Name:		City:		State:		Zip:																					
Project Location:		Phone #:																									
Sample Name:		Fax #:																									
FOR LAB USE ONLY				MATRIX		PRESERV		SAMPLING																			
				(G)RAB OR (C)OMP.																							
				# CONTAINERS																							
				GROUNDWATER																							
				WASTEWATER																							
				SOIL																							
				OIL																							
				SLUDGE																							
				OTHER :																							
				ACID/BASE:																							
				ICE / COOL																							
				OTHER :																							
				DATE		TIME																					
Lab I.D. Sample I.D.																											
HAWAII																											
21				E-S-21		1/28																					
22				E-B-1,2		1/27																					
23				E-B-2,2																							
24				E-B-3																							
25				E-B-4																							
26				E-B-5																							
27				E-B-6																							
28				E-B-7																							
29				E-B-8																							
30				E-B-9		1/27																					
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Relinquished By: [Signature]				Date: 1-27		Time: 4:40		Received By: [Signature]		Date: 1-27		Time: 4:40															
Delivered By: (Circle One)				Cool		Intact		Checked By: (Initials)																			
Sampler - UPS - Bus - Other:				<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No																			
4.6°C								0.04#3																			
REMARKS:				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #: 1-800-451-1111		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Fax #: 1-800-451-1111																	



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name:

Project Manager:

Address:

City:

State:

Zip:

Phone #:

Fax #:

Project #:

Project Name:

Project Location:

Sampler Name:

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TPH

btex

Chlorides



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>RTS</u>		P.O. #:		BILL TO		ANALYSIS REQUEST																													
Project Manager:		Company:																																	
Address:		Attn:																																	
City:		Address:																																	
State:		City:																																	
Zip:		State:																																	
Phone #:		Fax #:																																	
Project #:		Project Owner:																																	
Project Name:		City:																																	
Project Location:		State:																																	
Phone #:		Zip:																																	
Fax #:		Phone #:																																	
Sample Name:		Fax #:																																	
FOR LAB USE ONLY																																			
Lab I.D.		Sample I.D.																																	
H910229																																			
41		B-20		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		TPH		btex		Chlorides	
42		B-21																								1/27									
43		B-22																																	
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49		B-28.2																																	
50		B-29.2																																	
RECEIVED BY: <u>[Signature]</u>		DATE: <u>1-29</u>		TIME: <u>4:40</u>		RECEIVED BY: <u>[Signature]</u>		DATE: <u>1-29</u>		TIME: <u>4:40</u>		CHECKED BY: <u>[Signature]</u>		DATE: <u>1-29</u>		TIME: <u>4:40</u>		REMARKS:																	
Delivered By: (Circle One)		Cool		Intact		Sample Condition		CHECKED BY: <u>[Signature]</u>		DATE: <u>1-29</u>		TIME: <u>4:40</u>		REMARKS:																					
Sampler - UPS - Bus - Other:		Cool		Intact		Sample Condition		CHECKED BY: <u>[Signature]</u>		DATE: <u>1-29</u>		TIME: <u>4:40</u>		REMARKS:																					
7.6°C		Cool		Intact		Sample Condition		CHECKED BY: <u>[Signature]</u>		DATE: <u>1-29</u>		TIME: <u>4:40</u>		REMARKS:																					
7.6°C		Cool		Intact		Sample Condition		CHECKED BY: <u>[Signature]</u>		DATE: <u>1-29</u>		TIME: <u>4:40</u>		REMARKS:																					

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:		P.O. #:		BILL TO		ANALYSIS REQUEST											
Project Manager:		Company:															
Address:		Attn:															
City:		State:		Zip:													
Phone #:		Fax #:		Address:													
Project #:		Project Owner:		City:													
Project Name:		State:		Zip:													
Project Location:		Phone #:															
Sampler Name:		Fax #:															
FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING											

Lab I.D. Sample I.D.

[illegible]

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Relinquished By:

Date: 1-29

Received By:

Relinquished By:

Date:

Received By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Sample Condition ☒ Intact ☐ Cool ☐ (Initials) _____

Card #16

Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #:
Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #:
REMARKS:			

REMARKS:

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10

29/

TPH
blex
Chlorides



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

Phone Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Phone #
Fax Result:	<input type="checkbox"/> Yes	<input type="checkbox"/> No	Add'l Fax #
REMARKS:			



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: PK Sci		P.O. #:		BILL TO		ANALYSIS REQUEST																																																																																																					
Project Manager:		Company:																																																																																																									
Address:		Attn:																																																																																																									
City:		Address:																																																																																																									
Phone #:		City:																																																																																																									
Project #:		State:																																																																																																									
Project Location:		Zip:																																																																																																									
Project Name:		Phone #:																																																																																																									
Project Location:		Fax #:																																																																																																									
Sampler Name:																																																																																																											
FOR LAB USE ONLY																																																																																																											
Lab I.D.		Sample I.D.																																																																																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td>(G)RAB OR (C)OMP.</td> <td># CONTAINERS</td> <td colspan="2">MATRIX</td> <td>PRESERV</td> <td>SAMPLING</td> </tr> <tr> <td>GROUNDWATER</td> <td>WASTEWATER</td> <td>SOIL</td> <td>OIL</td> <td>SLUDGE</td> <td>OTHER :</td> </tr> <tr> <td>ACID/BASE:</td> <td>ICE / COOL</td> <td>OTHER :</td> <td colspan="3"></td> </tr> </table>		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV	SAMPLING	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :				DATE		TIME																																																																																					
		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV	SAMPLING																																																																																																				
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71	72	73	74	75	76	77	78	79	80																																																																																																		
EB-50.2	EB-51	EB-52	EB-53	EB-54.2	EB-55	EB-56	EB-57	EB-58	EB-59																																																																																																		

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Relinquished By: *[Signature]* Date: **1-29** Received By: *[Signature]* Time: **4:40**

Relinquished By: *[Signature]* Date: **1-29** Received By: *[Signature]* Time: **4:40**

Delivered By: (Circle One) **4:40** Sample Condition ☒ Intact ☐ Cool ☐ Yes ☐ No ☐ Yes ☐ No **Cal #113**

Sampler - UPS - Bus - Other: **4:40**

REMARKS: **TPA blex Chloride**

Phone Result: ☐ Yes ☐ No ☐ Add'l Phone #:

Fax Result: ☐ Yes ☐ No ☐ Add'l Fax #:



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>KL Sci</u>		P.O. #:		BILL TO		ANALYSIS REQUEST																																	
Project Manager:		Company:																																					
Address:		Attn:																																					
City:		Address:																																					
State:		City:																																					
Zip:		State:																																					
Phone #:		Fax #:																																					
Project #:		Project Owner:																																					
Project Name:		City:																																					
Project Location:		State:																																					
Phone #:		Zip:																																					
Fax #:																																							
Sampler Name:		Matrix		PRESERV		SAMPLING																																	
FOR LAB USE ONLY																																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME											
H100239		B-60		1/28		1		1		1		1		1		1		1		1		1		1		1		1											
32		B-61		1/28		1		1		1		1		1		1		1		1		1		1		1		1											
33		B-62		1/28		1		1		1		1		1		1		1		1		1		1		1		1											
34		B-63		1/28		1		1		1		1		1		1		1		1		1		1		1		1											
35		B-64		1/28		1		1		1		1		1		1		1		1		1		1		1		1											

TPH
bls
chlorides

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Relinquished By: [Signature] Date: 1-29 Received By: [Signature] Time: 4:00

Relinquished By: [Signature] Date: 1-29 Received By: [Signature] Time: 4:00

Delivered By: (Circle One) 4.4.1c Sample Condition Intact CHECKED BY: [Signature] (Initials) Cal #113

Sampler - UPS - Bus - Other: 4.4.1c ☒ Yes ☐ No ☐ No

REMARKS:

Phone Result: ☐ Yes ☐ No Add'l Phone #:

Fax Result: ☐ Yes ☐ No Add'l Fax #:

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



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

February 05, 2021

HAYES ADAMS

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: HALLERTAN #5

Enclosed are the results of analyses for samples received by the laboratory on 02/04/21 9:37.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/04/2021
 Reported: 02/05/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: CIMAREX

Sampling Date: 02/04/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: Eb - 37.2 (H210279-01)

BTX 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	02/05/2021	ND	1.99	99.5	2.00	6.51	
Toluene*	<0.050	0.050	02/05/2021	ND	1.94	96.8	2.00	6.66	
Ethylbenzene*	<0.050	0.050	02/05/2021	ND	1.89	94.6	2.00	6.69	
Total Xylenes*	<0.150	0.150	02/05/2021	ND	5.54	92.3	6.00	6.40	
Total BTX	<0.300	0.300	02/05/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	
Chloride	400	16.0	02/04/2021	ND	400	100	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	02/04/2021	ND	219	110	200	6.10	
DRO >C10-C28*	<10.0	10.0	02/04/2021	ND	212	106	200	4.55	
EXT DRO >C28-C36	<10.0	10.0	02/04/2021	ND					

Surrogate: 1-Chlorooctane 76.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.4 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

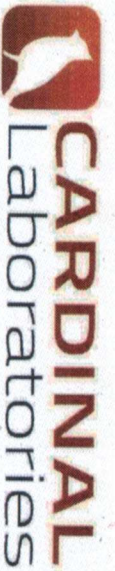
Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: KX Soil		BILL TO		ANALYSIS REQUEST									
Project Manager: Hoyes Adams		P.O. #:											
Address:		Company:											
City:		Attn:											
Phone #:		Address:											
Project #:		City:											
Project Name: Cimerax		State:											
Project Location: Hallertau #5		Zip:											
Sample Name: Hayes		Phone #:											
FOR LAB USE ONLY		Fax #:											
Lab I.D. H210279		(G)RAB OR (C)OMP.											
Sample I.D. EL-37.2		# CONTAINERS											
		GROUNDWATER											
		WASTEWATER											
		SOIL											
		OIL											
		SLUDGE											
		OTHER :											
		ACID/BASE:											
		ICE / COOL											
		OTHER :											
		DATE											
		TIME											
		TPH											
		Chlorides											
		bter											

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Relinquished By:

Date: **2/14**

Received By:

Date: **2/14**

Verbal Result: ☐ Yes ☐ No Add'l Phone #:

All Results are emailed. Please provide Email address:

Relinquished By:

Date: **2/14**

Received By:

Date: **2/14**

REMARKS:

Rush added 2/14/21 @ 15:35

Delivered By: (Circle One)

Observed Temp. °C **5.6**

Sample Condition

CHECKED BY: (Initials)

Turnaround Time:

Standard ☒ Rush ☐

Bacteria (only) Sample Condition

Sampler - UPS - Bus - Other:

Corrected Temp. °C

Cool Intact ☒ Yes ☐ No

Thermometer ID #113

Correction Factor None

2/14/21

Cool Intact ☐ Yes ☐ No

Observed Temp. °C

Corrected Temp. °C

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



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

February 11, 2021

MATTHEW LONGCRIER

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: HALLERTAN #5

Enclosed are the results of analyses for samples received by the laboratory on 02/09/21 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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 02/09/2021
 Reported: 02/11/2021
 Project Name: HALLERTAN #5
 Project Number: NONE GIVEN
 Project Location: CIMAREX

Sampling Date: 02/09/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: EB - 45.3 (H210334-01)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	02/11/2021	ND	400	100	400	3.92	

Sample ID: EB - 59.3 (H210334-02)

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	02/11/2021	ND	400	100	400	3.92	

Sample ID: EB - 60.3 (H210334-03)

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	02/11/2021	ND	400	100	400	3.92	

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

**BILL TO**

ANALYSIS REQUEST

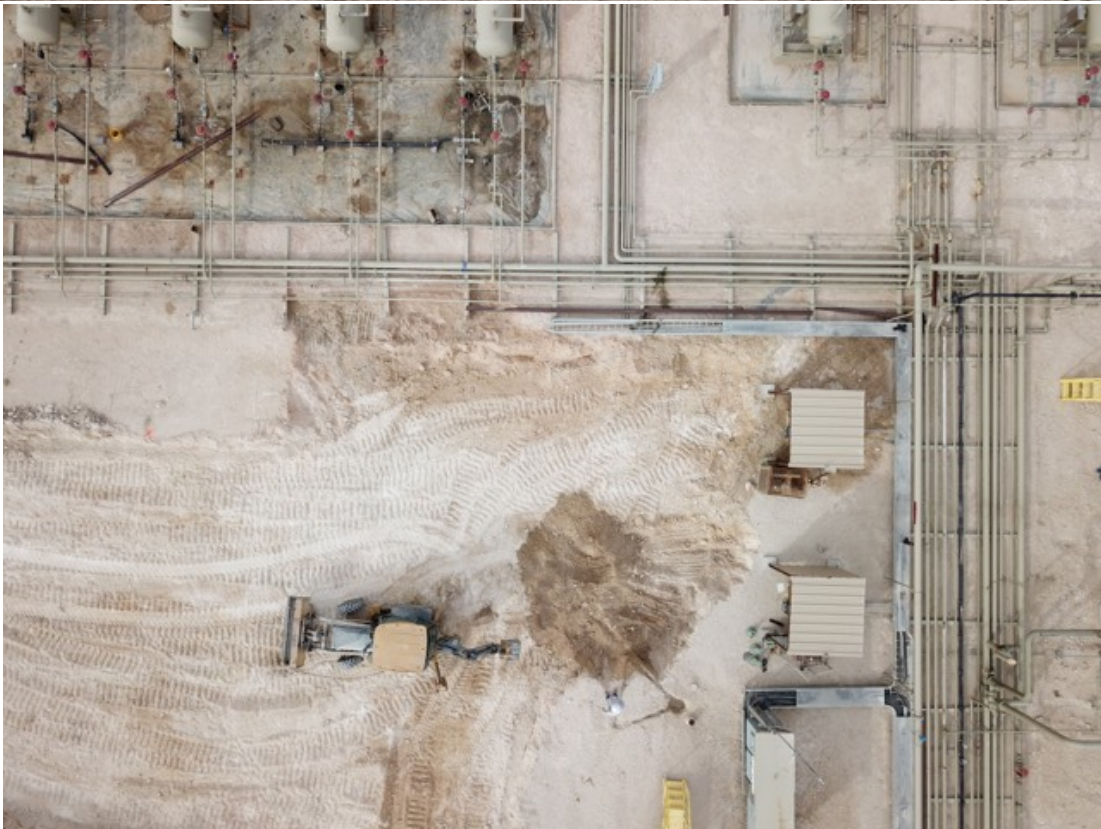
120

APPENDIX E

SITE PHOTOGRAPHS

RXSoil, Inc.

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



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

END OF REPORT

RXSoil, Inc.

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

District I

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

District II

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

District III

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

District IV

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

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

CONDITIONS

Action 18287

CONDITIONS

Operator: CIMAREX ENERGY CO. 600 N. Marienfeld Street Midland, TX 79701	OGRID: 215099
	Action Number: 18287
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
chensley	Deferral request for sample points E11, E13, B62, B63, and B64 are approved. Cimarex's deferral requests to complete final remediation during any future major construction/alteration or final plugging and abandonment, whichever occurs first is approved. The deferred C-141 will be accepted for record and marked accordingly. The release will remain open in OCD database files and reflect an open environmental issue.	6/29/2021
chensley	Variance request for liner installation is approved.	6/29/2021