

March 4, 2020

NMOCD District 1

1625 N. French Drive

Hobbs, New Mexico 88240

Re:

Closure Request

Ridgeway Arizona Oil Corp HCSAU #30

NMOCD Reference #: 1RP-5668 & 1RP-5680

To Whom It May Concern

RXSoil, Inc. is pleased to submit the closure request summarizing work done for the on-site remediation of treated produced water impacted soil for the above release, associated with the HCSAU #30 site located in Roosevelt County, New Mexico.

Sincerely,

Jace Caraway

Chief Operating Officer

RXSoil, Inc.

(940) 210-2051

Zach Robbins

Technical and Engineering Analyst

RXSoil, Inc.

(210) 400-7645

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I. Introduction

On behalf of Ridgeway Arizona Oil Corp and PEDEVCO Corporation., RXSoil, Inc. ("RXSoil") has prepared this closure request that describes remediation of the releases of 1RP-5680 and 1RP-5668 associated with the HCSAU #30 site with API #30-041-10480.

The releases were reported to have both occurred in Unit Letter O, Section 34, Township 7S, Range 33E (see *Figure 1* for Vicinity Map) at coordinates (33.662951, -103.543786). It was reported that 15 barrels of produced water were released, and 6 barrels were recovered during the initial response for 1RP-5668. It was reported that 50 barrels of produced water were released, and 22 barrels were recovered during the initial response for 1RP-5680. Closure C-141s are listed in *Appendix A*.

II. Site Assessment/Characterization

- 1. **Spill Map** See *Figure 2*
- Depth to ground water Nearest water wells with data in the past 25 years (listed in Appendix B, shown in Figure 3) have reported depth to water of 143', 223' and 256'.
 This release did NOT occur within an area described by any of the line items listed in NMAC 19.15.29.12 that would change the characterization of ground water.
- 3. **Wellhead protection area** There are no known water sources within a half mile of the release (see *Figure 4*).
- 4. **Distance to nearest significant watercourse** There are no significant watercourses within a half mile of the release (see *Figure 4*).
- 5. **Soil/waste characteristics** The release was delineated horizontally and vertically before and during excavation. Excavation was guided by field data, testing soil samples until results showed chloride levels below 600 mg/kg, per 19.15.29.13.D.1. Sidewall and bottom samples are shown in *Figure* 5. Excavation went vertically and horizontally until clean soil was found (20,000 mg/kg at depths greater than 4' or 600 mg/kg in top 4'). Excavation went to a depth of 4' and 1' in areas shown in *Figure* 5. Results from these tests are summarized in *Appendix C* with the laboratory report shown in *Appendix F.1*. Not all contaminated soil was able to be safely removed from the spill area. Shown in *Figure* 6, digging stopped approximately 6' from the wellhead.

III. Closure Reporting

- 1. **Scaled site and sampling diagram** See *Figure 5* for excavation samples. See *Figure 7* for remediation samples
- 2. **Photographs of remediated site prior to backfill** See *Appendix E* for a photograph of remediated site prior to backfill.
- 3. **Laboratory analyses of final sampling** See *Appendix F* for laboratory reports summarized in *Appendix D* and *Appendix E*.
- 4. **Description of all remedial activities** RXSoil's core process of on-site remediation was used to address the contamination. RXSoil constructed an above-ground treatment cell adjacent to the contaminated area (see *Figure 5* for placement). This cell was built to an approximate height of 4'. The cell was approximately 200' by 100'.

A 30-mil poly liner was installed on the bottom and sides of cells to contain treatment. A proprietary drainage and collection system was installed prior to filling the cells with contaminated soils.

Once all contaminated material was in the treatment cell, chemical treatment began. To confirm successful treatment, as previously agreed upon, confirmation samples were gathered at depth 36"-48" with one sample representing no more than 50 cubic yards as agreed upon in previous work. A grid pattern of 60 samples was collected. If a sample were to test above threshold, treatment continued in that area until the soil tested clean. 50% of the samples were then delivered on ice to Cardinal Laboratories in Hobbs, NM. See *Appendix D* for a summary table of these samples.

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

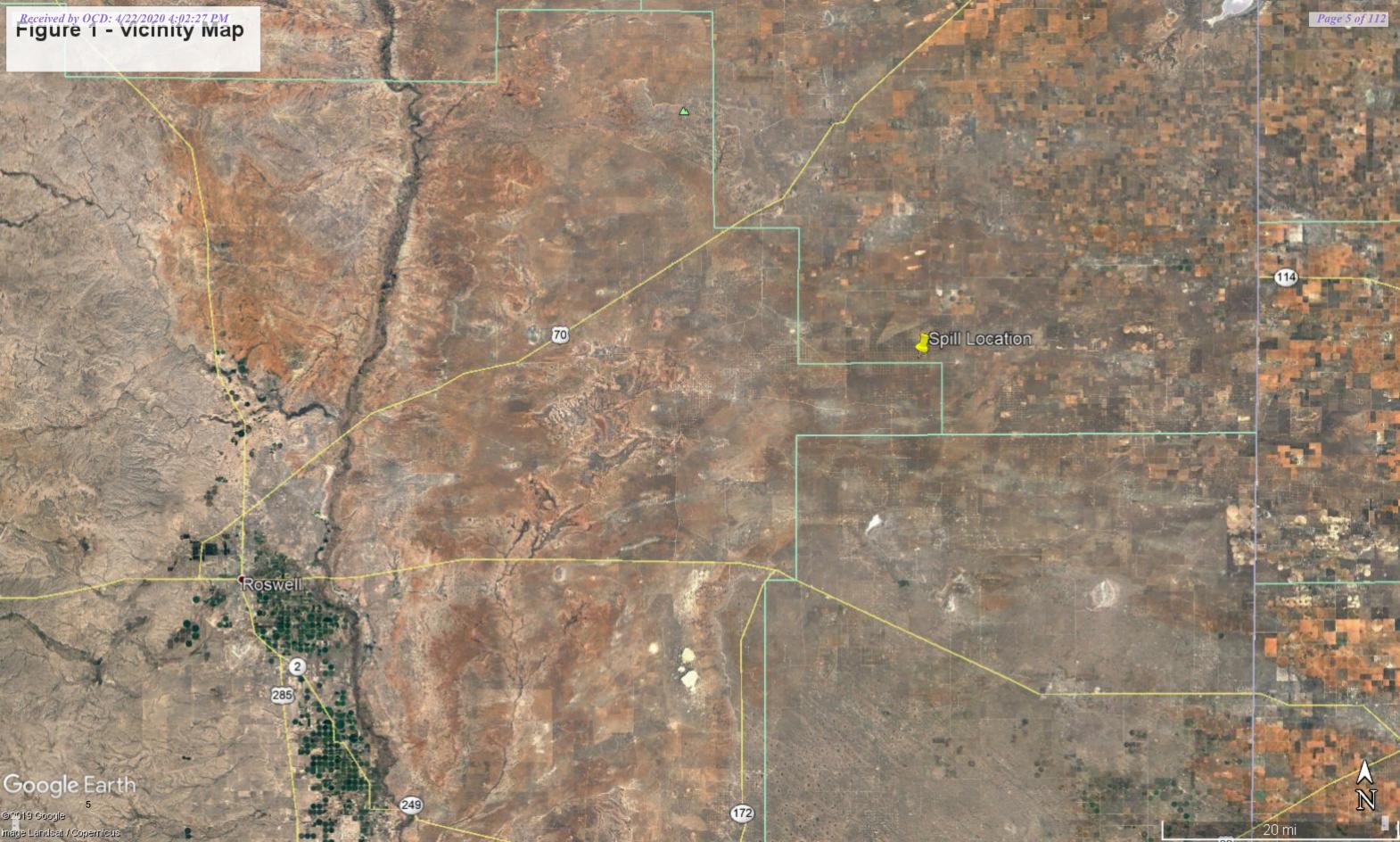
Samples were temporarily transferred to a new plastic bag in the field. Once in a location safer for handling glass, the samples were transferred to glass jars, supplied by an approved laboratory. The threads on all jars were wiped clean to allow an air-tight seal. Samples were transferred on ice to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

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

IV. Restoration, Reclamation and Re-Vegetation

Following confirmation samples, RXSoil placed the soil from the treatment cell back into the excavation area and removed all treatment infrastructure from the location for disposal. RXSoil drilled in a mixture of oats, saltbrush fourwing, triticale and western wheatgrass in all affected areas, using the DOT Zone 6 Seed List as a guide per previous SLO approval. RXSoil will continue to monitor this area and if deemed necessary, reseed in next growing season to encourage more growth.

On behalf of all parties, RXSoil is requesting no further action for this remediation project.





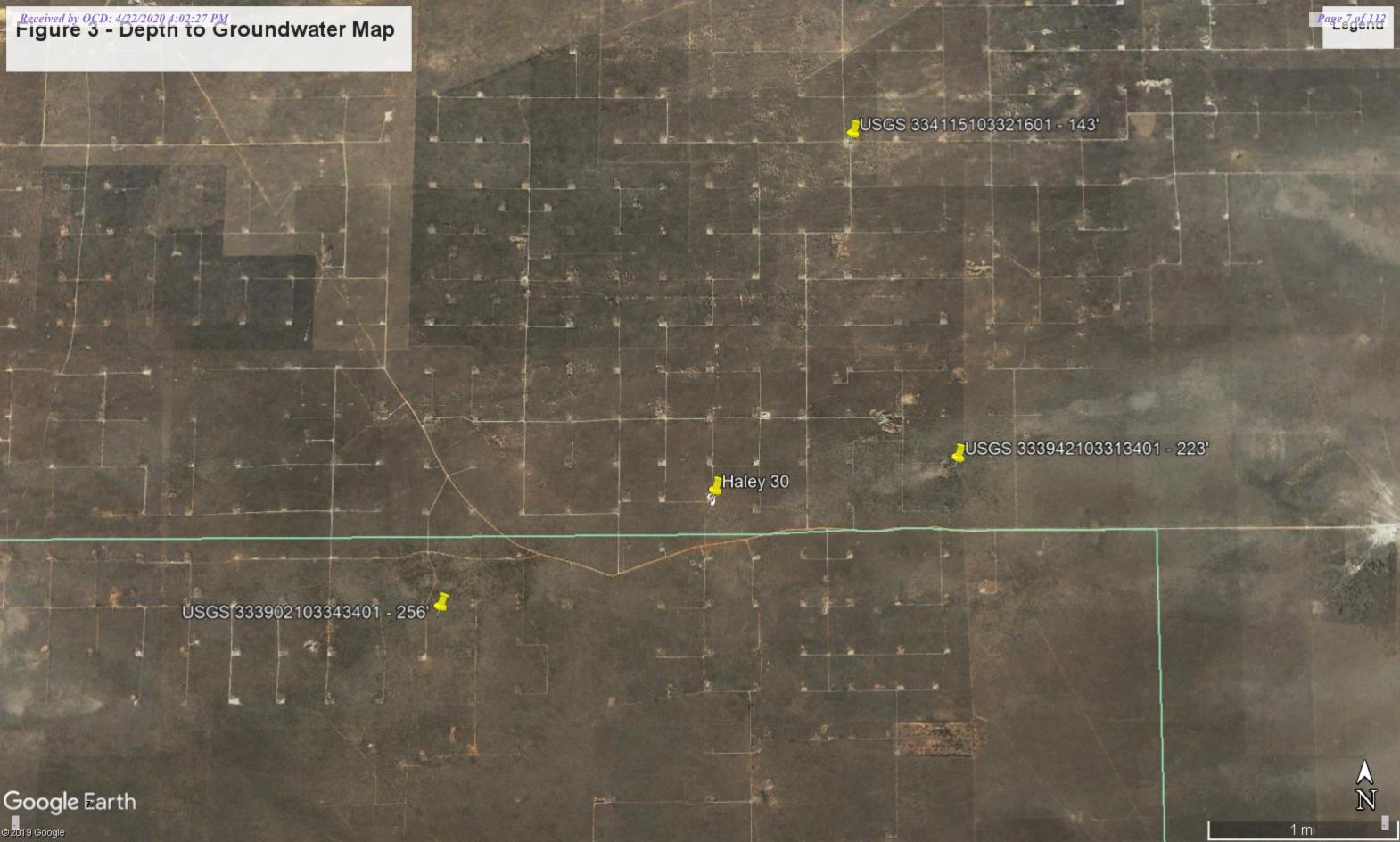
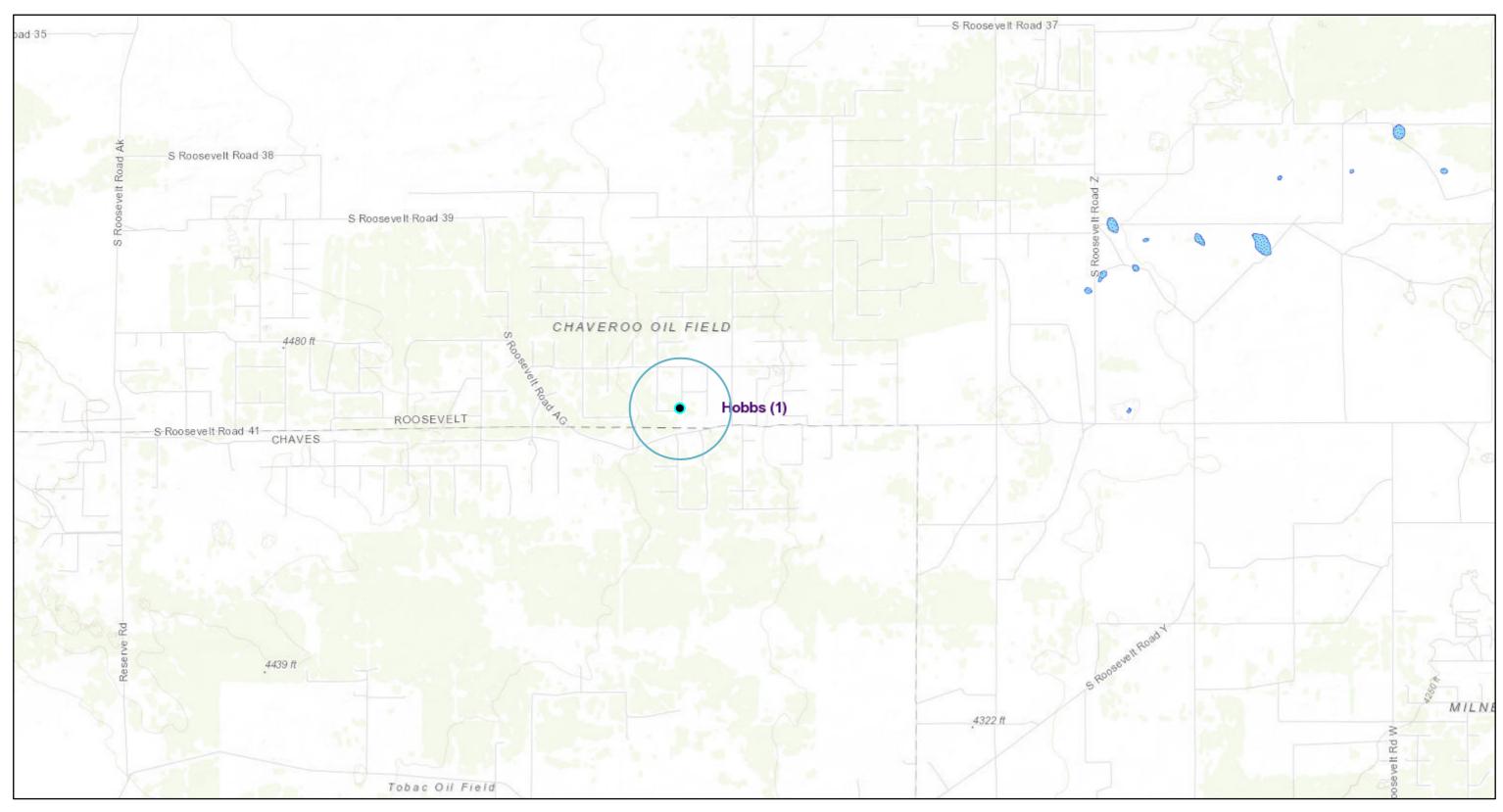
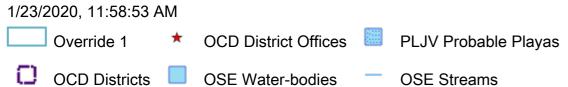
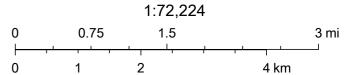


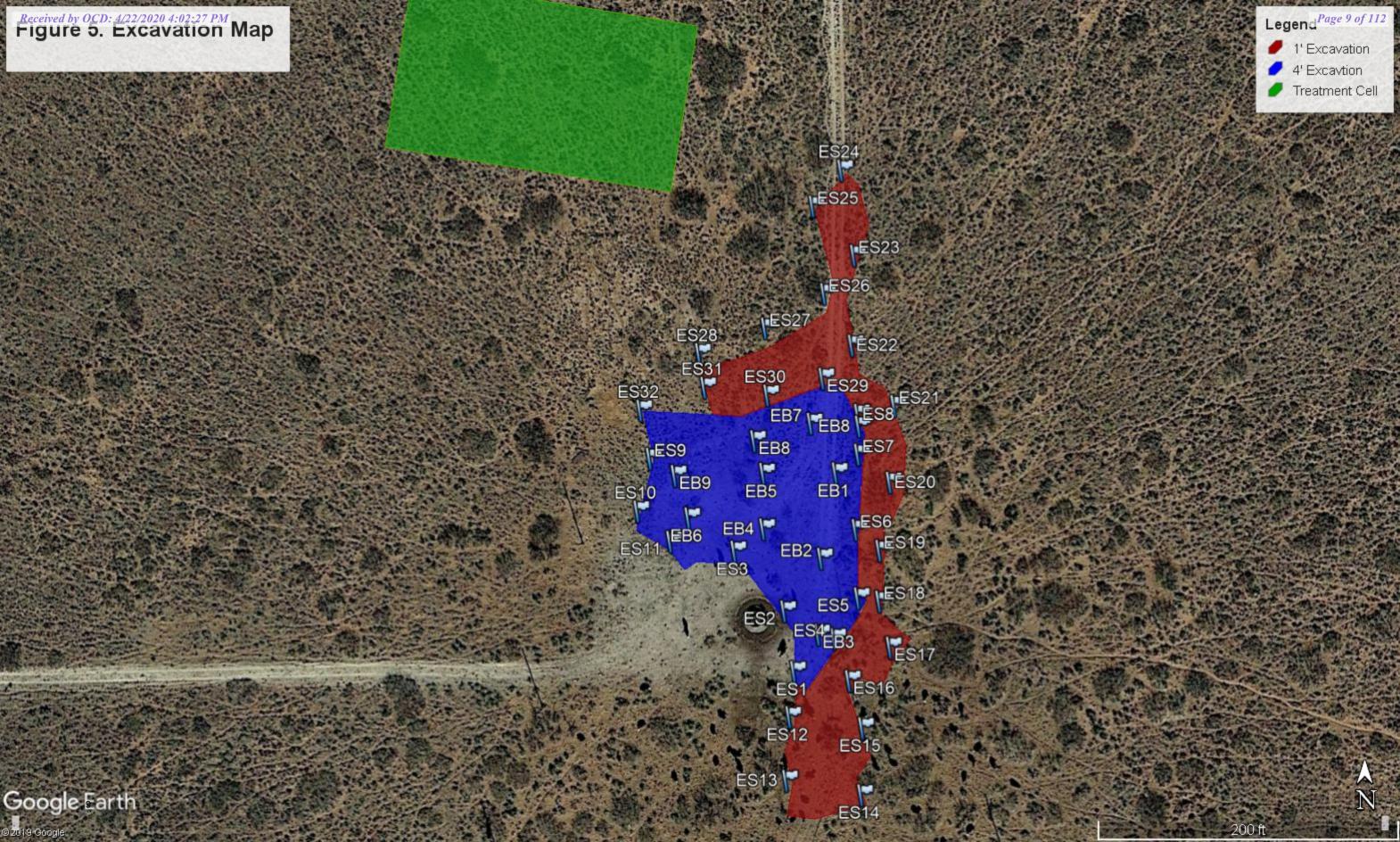
Figure 4 - Hydrology Map

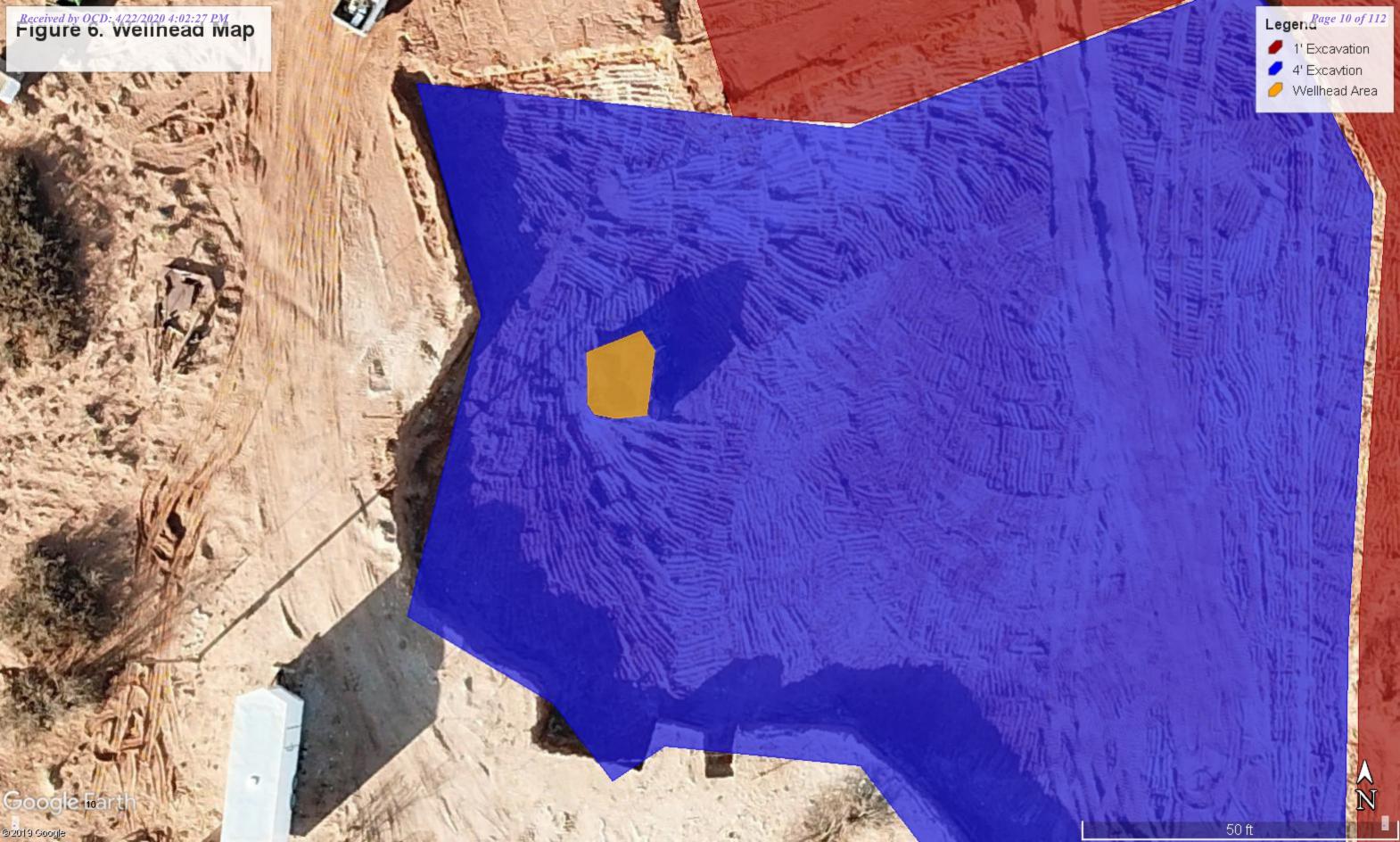






Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the GIS User Community, OCD





ä	Leg	gend Tuge 11 0) 112
ú	0	Sample Point (48")
ä		Treatment Cell

% 1	% 2	% 3	% 4	% 5
° B1	Вг	c B3	9 84	9 85
° C1	o C2	° C3	° C4	° C5
° D1	9 D2	c D3	c _{D4}	9 D5
c E1	c E2	° E3	c E4	9 E5
9 =1	Ģ F2	° F3	° F4	9 F5
° G1	c G2	° G3	c G4	° G5
на	9 H2	9 H3	9 H4	9 H5
13	9 2	93	94	9 5
J	9 J2	9 J3	9 _{J4}	9 ₁₅
ка	ка	кз	9 K4	9 K5
L 3	LZ	L3	LĄ	9 _5
	NOT THE REAL PROPERTY.	September 1	EL Motor	

Google Earth

APPENDIX A.1

C-141

1RP-5668



State of New Mexico Oil Conservation Division

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

Incident ID	NRM1926049522
District RP	1RP-5668
Facility ID	
Application ID	pRM192046121

Closure

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

A scaled site and sampling diagram as descri	hed in 19 15 29 11 NMAC
	ackfill or photos of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note:	appropriate ODC District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report may endanger public health or the environment. The should their operations have failed to adequately in human health or the environment. In addition, OC compliance with any other federal, state, or local larestore, reclaim, and re-vegetate the impacted surface.	true and complete to the best of my knowledge and understand that pursuant to OCD rules and/or file certain release notifications and perform corrective actions for releases which he acceptance of a C-141 report by the OCD does not relieve the operator of liability exestigate and remediate contamination that pose a threat to groundwater, surface water, D acceptance of a C-141 report does not relieve the operator of responsibility for two and/or regulations. The responsible party acknowledges they must substantially accept area to the conditions that existed prior to the release or their final land use in iffication to the OCD when reclamation and re-vegetation are complete.
Printed Name: William Boyd	Title:Land & Regulatory Manager
Signature: WWROD	Date:
email: wboyd@pedevco.com	
OCD Only	
Received by:	Date:
emediate contamination that poses a threat to ground party of compliance with any other federal, state, or	
Closure Approved by:	Date:
Printed Name:	Title:
D: 4	
90 %	
Closure Approved by: Closure Approved by:	
Rece	

APPENDIX A.2

C-141

1RP-5680



State of New Mexico Oil Conservation Division

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

Incident ID	NRM1926654070
District RP	1RP-5680
Facility ID	fCH1903857157
Application ID	pRM1926653227

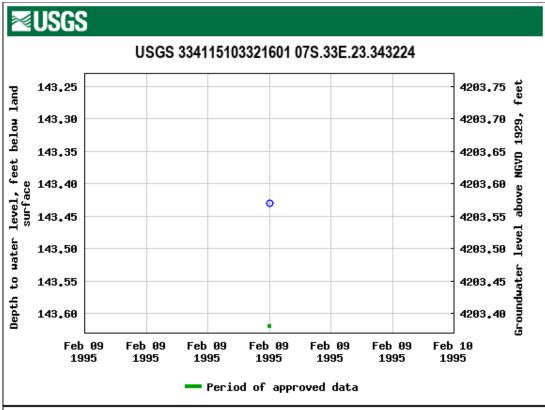
Closure

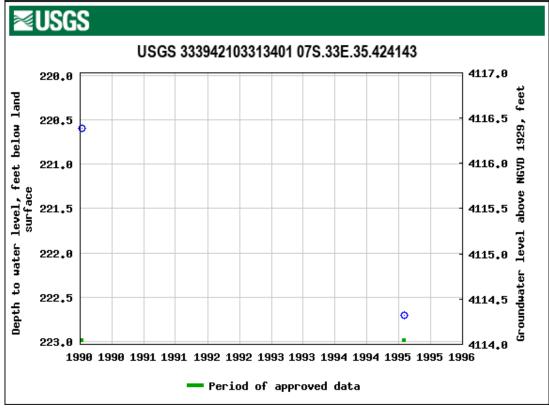
The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled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

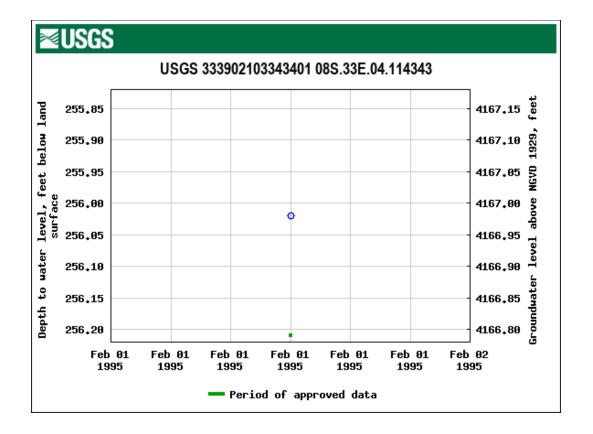
K A scaled site and sampling diagram as described in 19.	15.29.11 NMAC
Photographs of the remediated site prior to backfill or must be notified 2 days prior to liner inspection)	photos of the liner integrity if applicable (Note: appropriate OCD District office
Laboratory analyses of final sampling (Note: appropria	te ODC District office must be notified 2 days prior to final sampling)
Description of remediation activities	
and regulations all operators are required to report and/or file may endanger public health or the environment. The acceptar should their operations have failed to adequately investigate human health or the environment. In addition, OCD acceptar compliance with any other federal, state, or local laws and/or restore, reclaim, and re-vegetate the impacted surface area to accordance with 19.15.29.13 NMAC including notification to	
	Title: Land & Regulatory Manager
Signature: Will Paop	Date: <u>3/4/2020</u>
email:wboyd@pedevco.com	Telephone:(713) 574-7912
OCD Only	
Received by:	Date:
remediate contamination that poses a threat to groundwater, so party of compliance with any other federal, state, or local law	
Closure Approved by:	Date:
Printed Name:	Title:
4. <u>-</u>	
Closure Approved by:	
ived I	
Rece	

APPENDIX B

DEPTH TO GROUNDWATER







APPENDIX C

DELINEATION SUMMARY TABLE

				Appendix	C. Delineation	Summary Ta	ble				
Sample	Sample	(C)		Chlori	de	BTEX (8021B)		TPH (8	015M)	
Type	Name	Depth (ft)	Sample Date	Field Screening	M4500	Benzene	Total BTEX	GRO	DRO	EXT DRO	C6-C35
Bottom	EB-1	4	11/20/2019	3500	3320	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Bottom	EB-2	4	11/20/2019	316	880	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Bottom	EB-3	4	11/20/2019	1944	2880	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Bottom	EB-4	4	11/20/2019	4120	1710	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Bottom	EB-5	4	11/20/2019	ND	32.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Bottom	EB-6	4	11/20/2019	276	480	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Bottom	EB-7	4	11/20/2019	316	320	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Bottom	EB-8	4	11/20/2019	7940	9280	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Bottom	EB-9	4	11/20/2019	580	656	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-1	4	11/20/2019	ND	48	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-2	4	11/20/2019	ND	16	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-3	4	11/20/2019	180	192	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-4	4	11/20/2019	ND	48	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-5	4	11/20/2019	ND	48	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-6	4	11/20/2019	ND	16	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-7	4	11/20/2019	ND	64	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-8	4	11/20/2019	ND	16	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-9	4	11/20/2019	212	240	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-10	4	11/20/2019	ND	32	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-11	4	11/20/2019	128	64	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-12	1	11/20/2019	ND	16	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-13	1	11/20/2019	ND	16	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-14	1	11/20/2019	ND	<16.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-15	1	11/20/2019	ND	<16.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-16	1	11/20/2019	ND	80	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-17	1	11/20/2019	ND	<16.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-18	1	11/20/2019	ND	<16.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-19	1	11/20/2019	ND	<16.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-20	1	11/20/2019	ND	<16.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-21	1	11/20/2019	ND	<16.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-22	1	11/20/2019	ND	32	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-23	1	11/20/2019	352	224	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-24	1	11/20/2019	ND	320	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-25	1	11/20/2019	ND	<16.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-26	1	11/20/2019	ND	112	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-27	1	11/20/2019	192	544	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-28	1	11/20/2019	ND	96	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-29	4	11/20/2019	128	112	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-30	4	11/20/2019	ND	112	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-31	4	11/20/2019	ND	272	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Sidewall	ES-32	4	11/20/2019	ND	32	<0.050	<0.300	<10.0	<10.0	<10.0	<30
NMOCD Th		•		600		10	50				2500
NMOCD Th		- GW >100'		2000	0						

⁻ indicates tests were not ran

APPENDIX D

REMEDIATION SAMPLING SUMMARY TABLE

				Appendix	D. Remediatio	n Sampling S	Summary Tal	ole			
Davis	Calman	Depth	Sample Date	Chlori	de	BTEX (8021B)		TPH (8	8015M)	
ROW	Column	(ft)	Sample Date	Field Screening	M4500	Benzene	Total BTEX	GRO	DRO	EXT DRO	C6-C35
Α	1	4	1/3/2020	172	176	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Α	2	4	1/3/2020	148	-	-	-	-	-	-	-
Α	3	4	1/3/2020	ND	160	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Α	4	4	1/3/2020	172	-	-	-	-	-	-	-
Α	5	4	1/3/2020	316	208	<0.050	<0.300	<10.0	<10.0	<10.0	<30
В	1	4	1/3/2020	172	-	-	-	-	-	-	-
В	2	4	1/3/2020	ND	144	<0.050	<0.300	<10.0	<10.0	<10.0	<30
В	3	4	1/3/2020	ND	-	-	-	-	-	-	-
В	4	4	1/3/2020	148	160	<0.050	<0.300	<10.0	<10.0	<10.0	<30
В	5	4	1/3/2020	ND	-	-	-	-	-	-	-
С	1	4	1/7/2020	316	336	<0.050	<0.300	<10.0	<10.0	<10.0	<30
С	2	4	1/3/2020	ND	64	<0.050	<0.300	<10.0	<10.0	<10.0	<30
С	3	4	1/3/2020	284	240	<0.050	<0.300	<10.0	<10.0	<10.0	<30
С	4	4	1/7/2020	ND	-	-	-	-	-	-	-
С	5	4	1/7/2020	204	-	-	-	-	•	-	-
D	1	4	1/7/2020	316	-	-	-	-	-	-	-
D	2	4	1/7/2020	316	400	<0.050	<0.300	<10.0	<10.0	<10.0	<30
D	3	4	1/7/2020	316	-	-	-	-	-	-	-
D	4	4	1/3/2020	196	272	<0.050	<0.300	<10.0	<10.0	<10.0	<30
D	5	4	1/3/2020	172	-	-	-	-	-	-	-
Е	1	4	1/7/2020	392	144	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Е	2	4	1/7/2020	196	-	-	-	-	ı	-	-
Е	3	4	1/3/2020	124	112	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Е	4	4	1/7/2020	196	-	-	-	-	-	-	-
Е	5	4	1/7/2020	ND	400	<0.050	<0.300	<10.0	<10.0	<10.0	<30
F	1	4	1/3/2020	ND	-	-	-	-	-	-	-
F	2	4	1/3/2020	172	240	<0.050	<0.300	<10.0	<10.0	<10.0	<30
NMO	CD Thresi	nolds - F	Remediation	600		10	50				100

⁻ indicates tests were not ran

				Appendix	D. Remediation	n Sampling S	Summary Tal	ole			
Dow	Column	Depth	Sample Date	Chlori	de	BTEX (8021B)		TPH (8	8015M)	
KOW	Column	(ft)	Sample Date	Field Screening	M4500	Benzene	Total BTEX	GRO	DRO	EXT DRO	C6-C35
F	3	4	1/7/2020	196	-	-	-	-	-	-	-
F	4	4	1/7/2020	316	400	<0.050	<0.300	<10.0	22.9	<10.0	22.9
F	5	4	1/7/2020	284	-	-	-	-	•	-	-
G	1	4	1/7/2020	284	336	<0.050	<0.300	<10.0	<10.0	<10.0	<30
G	2	4	1/7/2020	316	384	<0.050	<0.300	<10.0	<10.0	<10.0	<30
G	3	4	1/3/2020	284	272	<0.050	<0.300	<10.0	<10.0	<10.0	<30
G	4	4	1/3/2020	ND	-	-	-	-	-	-	-
G	5	4	1/3/2020	ND	-	-	-	-		-	-
Н	1	4	1/3/2020	ND	-	-	-	-	-	-	-
Н	2	4	1/7/2020	316	320	<0.050	<0.300	<10.0	11.7	<10.0	11.7
Н	3	4	1/3/2020	172	-	-	-	-		-	-
Н	4	4	1/7/2020	316	400	<0.050	<0.300	<10.0	<10.0	<10.0	<30
Н	5	4	1/7/2020	224	-	-	-	-	•	-	-
ı	1	4	1/3/2020	ND	384	<0.050	<0.300	<10.0	12.0	<10.0	12.0
1	2	4	1/7/2020	316	-	-	-	-	-	-	-
1	3	4	1/3/2020	ND	80.0	<0.050	<0.300	<10.0	27.3	10.6	37.9
- 1	4	4	1/3/2020	ND	-	-	-	-	ı	-	-
ı	5	4	1/3/2020	148	176	<0.050	<0.300	<10.0	<10.0	<10.0	<30
J	1	4	1/7/2020	224	272	<0.050	<0.300	<10.0	10.6	<10.0	10.6
J	2	4	1/3/2020	ND	-	-	-	-	ı	-	-
J	3	4	1/3/2020	172	-	-	-	-	ı	-	-
J	4	4	1/3/2020	ND	-	-	-	-	-	-	-
J	5	4	1/7/2020	284	288	<0.050	<0.300	<10.0	<10.0	<10.0	<30
K	1	4	1/3/2020	172	176	<0.050	<0.300	<10.0	<10.0	<10.0	<30
K	2	4	1/3/2020	ND	-	-	-	-	-	-	-
K	3	4	1/3/2020	ND	96	<0.050	<0.300	<10.0	<10.0	<10.0	<30
K	4	4	1/3/2020	ND	-	-	-	-	•	-	-
NMO	CD Thresh	holds - F	Remediation	600		10	50				100

⁻ indicates tests were not ran

	Appendix D. Remediation Sampling Summary Table											
Pow	Column	Depth	Sample Date	Chloride		BTEX (BTEX (8021B)		TPH (8015M)			
NOW	Column	(ft)	Sample Date	Field Screening	M4500	Benzene	Total BTEX	GRO	DRO	EXT DRO	C6-C35	
K	5	4	1/3/2020	196	224	<0.050	<0.300	<10.0	<10.0	<10.0	<30	
L	1	4	1/3/2020	ND	-	-	-	-	-	-	-	
L	2	4	1/3/2020	ND	144	<0.050	<0.300	<10.0	<10.0	<10.0	<30	
L	3	4	1/3/2020	ND	-	•	-	-	1	-	-	
L	4	4	1/3/2020	ND	80.0	<0.050	<0.300	<10.0	<10.0	<10.0	<30	
L	5	4	1/3/2020	ND	-	-	-	-	-			
NMO	CD Thres	holds - F	Remediation	600		10	50				100	

⁻ indicates tests were not ran

APPENDIX E

SITE PHOTOGRAPHS



APPENDIX F.1

LABORATORY REPORTS

CHARACTERIZATION



December 04, 2019

MATTHEW LONGCRIER RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: PEDEVCO HALEY 30

Enclosed are the results of analyses for samples received by the laboratory on 11/26/19 14:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received:

11/26/2019

Sampling Date:

11/20/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sample ID: EB - 1 (H904019-01)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92	
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83	
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78	
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72	
Total BTEX	<0.300	0.300	11/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	12/02/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353	
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND					
Surrogate: 1-Chlorooctane	106 9	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	112 9	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kreine



Analytical Results For:

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

Received:

BTEX 8021B

11/26/2019

Sampling Date:

11/20/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN NONE GIVEN

mg/kg

Project Location:

Sample ID: EB - 2 (H904019-02)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92	
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83	
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78	
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72	
Total BTEX	<0.300	0.300	11/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	12/02/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353	
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND					

Analyzed By: MS

Surrogate: 1-Chlorooctane

109 %

41-142

Surrogate: 1-Chlorooctadecane

116%

37.6-147

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received:

11/26/2019

Sampling Date:

11/20/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

mg/kg

113 %

37.6-147

Project Location:

BTEX 8021B

NONE GIVEN

Sample ID: EB - 3 (H904019-03)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92	
Toluene*	< 0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83	
Ethylbenzene*	< 0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78	
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72	
Total BTEX	<0.300	0.300	11/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.4	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2880	16.0	12/02/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353	
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND					
Surrogate: 1-Chlorooctane	107 9	% 41-142	ı						

Analyzed By: MS

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

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Celeg & Kreens



Analytical Results For:

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

Received: Reported:

BTEX 8021B

11/26/2019

12/04/2019

Project Name:

PEDEVCO HALEY 30

Project Number: NON

Project Location:

Analyte

GRO C6-C10*

DRO >C10-C28*

EXT DRO >C28-C36

NONE GIVEN

mg/kg

Sampling Date:

11/24/2019

Sampling Type:

Soil

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

Sample ID: EB - 4 (H904019-04)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92	
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83	
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78	
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72	
Total BTEX	<0.300	0.300	11/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1710	16.0	12/02/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					

Method Blank

ND

ND

ND

BS

201

202

% Recovery

101

101

True Value QC

200

200

RPD

0.353

0.401

Qualifier

Analyzed

11/26/2019

11/26/2019

11/26/2019

Analyzed By: MS

Surrogate: 1-Chlorooctane 110 % 41-142
Surrogate: 1-Chlorooctadecane 117 % 37.6-147

Result

<10.0

<10.0

<10.0

Reporting Limit

10.0

10.0

10.0

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Celeg D. Freene



Analytical Results For:

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

Received: Reported:

BTEX 8021B

11/26/2019

04/2010

12/04/2019

Project Name: Project Number: PEDEVCO HALEY 30

Project Location:

NONE GIVEN

mg/kg

Sampling Date:

11/24/2019

Sampling Type:

Soil

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

Sample ID: EB - 5 (H904019-05)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92	
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83	
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78	
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72	
Total BTEX	<0.300	0.300	11/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Chloride, SM4500Cl-B Analyte	mg ,	/kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
·			<u> </u>	-	BS 416	% Recovery	True Value QC 400	RPD 3.77	Qualifier
Analyte	Result	Reporting Limit	Analyzed 12/02/2019	Method Blank		,	•		Qualifier
Analyte Chloride	Result	Reporting Limit	Analyzed 12/02/2019	Method Blank		,	•		Qualifier Qualifier
Analyte Chloride TPH 8015M	Result 32.0	Reporting Limit 16.0	Analyzed 12/02/2019 Analyze	Method Blank ND d By: MS	416	104	400	3.77	

ND

Analyzed By: MS

Surrogate: 1-Chlorooctane

EXT DRO >C28-C36

107 %

<10.0

41-142

11/26/2019

10.0

Surrogate: 1-Chlorooctadecane

112 %

37.6-147

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Celeg D. Freene



Analytical Results For:

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

Received:

11/26/2019

Sampling Date:

11/24/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

BTEX 8021B

PEDEVCO HALEY 30

Sampling Condition:

Cool & Intact

Project Number: Project Location:

NONE GIVEN

mg/kg

111 %

37.6-147

Sample Received By: Tamara Oldaker

Sample ID: EB - 6 (H904019-06)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92	
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83	
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78	
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72	
Total BTEX	<0.300	0.300	11/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	12/02/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353	
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND					
Surrogate: 1-Chlorooctane	105 %	6 41-142	,						

Analyzed By: MS

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

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Celeg D. Freene



Analytical Results For:

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

Received:

RTFY 8021R

11/26/2019

Sampling Date:

11/26/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number: Project Location: NONE GIVEN NONE GIVEN

ma/ka

Sample ID: EB - 7 (H904019-07)

B1EX 8021B	тд/кд		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92	
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83	
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78	
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72	
Total BTEX	<0.300	0.300	11/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	12/02/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353	
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND					
Surrogate: 1-Chlorooctane	106 9	% 41-142							
Surrogate: 1-Chlorooctadecane	109 9	% 37.6-14	7						

Analyzed By: MC

Cardinal Laboratories

*=Accredited Analyte

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Celecy D. Keene



Analytical Results For:

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

Received:

BTEX 8021B

11/26/2019

Sampling Date:

11/26/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number: Project Location:

NONE GIVEN

mg/kg

114 %

37.6-147

Sample ID: EB - 8 (H904019-08)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92	
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83	
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78	
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72	
Total BTEX	<0.300	0.300	11/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	9280	16.0	12/02/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353	
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND					
Surrogate: 1-Chlorooctane	107 9	% 41-142							

Analyzed By: MS

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received:

11/26/2019

Sampling Date:

11/26/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN NONE GIVEN Sample Received By:

Tamara Oldaker

Sample ID: EB - 9 (H904019-09)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92	
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83	
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78	
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72	
Total BTEX	<0.300	0.300	11/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	12/02/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353	
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND					
Surrogate: 1-Chlorooctane	109 9	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	116 9	6 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine



Analytical Results For:

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

Received:

11/26/2019

Sampling Date:

11/20/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number: Project Location:

NONE GIVEN

Sample ID: ES - 1 (H904019-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92	
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83	
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78	
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72	
Total BTEX	<0.300	0.300	11/26/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID

99.1 %

73.3-129

Chloride, SM4500CI-B Analyte	mg/kg		Analyzed By: AC						
	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/02/2019	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353	
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND					

Surrogate: 1-Chlorooctane

105 %

41-142

Surrogate: 1-Chlorooctadecane

109 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received:

11/26/2019

Sampling Date:

11/20/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sample ID: ES - 2 (H904019-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92	
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83	
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78	
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72	
Total BTEX	<0.300	0.300	11/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/02/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/26/2019	ND	201	101	200	0.353	
DRO >C10-C28*	<10.0	10.0	11/26/2019	ND	202	101	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/26/2019	ND					
Surrogate: 1-Chlorooctane	102 9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	108 9	% 37.6-14	7						

Cardinal Laboratories

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Celeg D. Keene



Analytical Results For:

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

Received:

11/26/2019

Sampling Date:

11/20/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN NONE GIVEN Sample Received By:

Tamara Oldaker

Sample ID: ES - 3 (H904019-12)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92	
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83	
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78	
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72	
Total BTEX	<0.300	0.300	11/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8 %	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/02/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	201	101	200	0.353	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	202	101	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					
Surrogate: 1-Chlorooctane	108 %	6 41-142	!						
Surrogate: 1-Chlorooctadecane	114 %	37.6-14	7						

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Celecy D. Keene



Analytical Results For:

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

Received:

BTEX 8021B

11/26/2019

Sampling Date:

11/20/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

mg/kg

107 %

111 %

41-142

37.6-147

Project Location: NONE GIVEN

Sample ID: ES - 4 (H904019-13)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92	
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83	
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78	
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72	
Total BTEX	<0.300	0.300	11/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Chloride	Result	Reporting Limit	Analyzed 12/02/2019	Method Blank	BS 416	% Recovery	True Value QC 400	RPD 3.77	Qualifier
•		16.0	12/02/2019			•	•		Qualifier
Chloride	48.0	16.0	12/02/2019	ND		•	•		Qualifier Qualifier
Chloride TPH 8015M	48.0 mg/	16.0 'kg	12/02/2019 Analyze	ND d By: MS	416	104	400	3.77	
Chloride TPH 8015M Analyte	48.0 mg/	16.0 'kg Reporting Limit	12/02/2019 Analyze Analyzed	ND d By: MS Method Blank	416 BS	104 % Recovery	400 True Value QC	3.77 RPD	
Chloride TPH 8015M Analyte GRO C6-C10*	48.0 mg/ Result <10.0	16.0 Reporting Limit 10.0	12/02/2019 Analyze Analyzed 11/27/2019	ND d By: MS Method Blank ND	416 BS 201	104 % Recovery 101	400 True Value QC 200	3.77 RPD 0.353	

Analyzed By: MS

Cardinal Laboratories

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

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Celeg & Kreens



Analytical Results For:

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

Received:

BTEX 8021B

11/26/2019

Sampling Date:

11/26/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number: Project Location:

NONE GIVEN

mg/kg

NONE GIVEN

Sample ID: ES - 5.2 (H904019-14)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92	
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83	
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78	
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72	
Total BTEX	<0.300	0.300	11/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/02/2019	ND	416	104	400	3.77	
TPH 8015M	mg	'kg	Analyze	d By: MS					
Analyte									0 110
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

ND

ND

202

101

200

0.401

Analyzed By: MS

Surrogate: 1-Chlorooctane

DRO >C10-C28*

EXT DRO >C28-C36

107 %

<10.0

<10.0

41-142

11/27/2019

11/27/2019

10.0

10.0

Surrogate: 1-Chlorooctadecane

112 %

37.6-147

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Celeg & Kreens



Analytical Results For:

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

Received:

BTEX 8021B

11/26/2019

2/04/2010

Sampling Date:

11/20/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30 NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

NONE GIVEN

mg/kg

110 %

37.6-147

Sample ID: ES - 6 (H904019-15)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92	
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83	
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78	
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72	
Total BTEX	<0.300	0.300	11/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/02/2019	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	201	101	200	0.353	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	202	101	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					
Surrogate: 1-Chlorooctane	104 %	6 41-142							

Analyzed By: MS

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

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Analytical Results For:

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

Received:

BTEX 8021B

11/26/2019

Sampling Date:

11/20/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

Sampling Condition: Sample Received By:

Cool & Intact Tamara Oldaker

Project Number:

NONE GIVEN

mg/kg

Project Location: NONE GIVEN

Sample ID: ES - 7 (H904019-16)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92	
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83	
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78	
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72	
Total BTEX	<0.300	0.300	11/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	201	101	200	0.353	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	202	101	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					
Surrogate: 1-Chlorooctane	109 5	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	113 9	% 37.6-14	7						

Analyzed By: MS

Cardinal Laboratories

*=Accredited Analyte

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Analytical Results For:

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

Received:

BTEX 8021B

11/26/2019

Sampling Date:

11/20/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

mg/kg

Project Location:

NONE GIVEN

Sample ID: ES - 8 (H904019-17)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/26/2019	ND	1.86	93.0	2.00	1.92	
Toluene*	<0.050	0.050	11/26/2019	ND	1.82	91.1	2.00	1.83	
Ethylbenzene*	<0.050	0.050	11/26/2019	ND	1.77	88.6	2.00	1.78	
Total Xylenes*	<0.150	0.150	11/26/2019	ND	5.18	86.3	6.00	2.72	
Total BTEX	<0.300	0.300	11/26/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.3	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	201	101	200	0.353	

ND

ND

202

101

200

0.401

Analyzed By: MS

Surrogate: 1-Chlorooctane
Surrogate: 1-Chlorooctadecane

DRO >C10-C28*

EXT DRO >C28-C36

105 %

<10.0

<10.0

41-142

11/27/2019

11/27/2019

10.0

10.0

gate: 1-Cniorooctaaecane

112 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

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Celeg & Kreens



Analytical Results For:

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

Received:

RTFY 8021R

11/26/2019

Sampling Date:

11/26/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number: Project Location:

NONE GIVEN

ma/ka

Sample ID: ES - 9 (H904019-18)

B1EX 8021B	mg	/кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					
Surrogate: 1-Chlorooctane	107	% 41-142	•						
Surrogate: 1-Chlorooctadecane	113	% 37.6-14	7						

Analyzed By: MC

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine



Analytical Results For:

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

Received:

BTEX 8021B

11/26/2019

Sampling Date:

11/24/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

mg/kg

Project Location:

NONE GIVEN

Sample ID: ES - 10 (H904019-19)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	11/27/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	< 0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	< 0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	-10.0	10.0	11/27/2019	ND	206	103	200	0.401	
	<10.0	10.0	11/2//2019	ND	200	105	200	0.401	

Analyzed By: MS

Surrogate: 1-Chlorooctane

107 %

41-142

Surrogate: 1-Chlorooctadecane

114 %

37.6-147

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Celey D. Keine



Analytical Results For:

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

Received:

BTEX 8021B

11/26/2019

Sampling Date:

11/26/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

mg/kg

Project Location: NONE GIVEN

Sample ID: ES - 11.2 (H904019-20)

	9/	9	7	,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 73.3-129	9						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					
Surrogate: 1-Chlorooctane	96.2	% 41-142							
Surrogate: 1-Chlorooctadecane	102	% 37.6-14	7						

Analyzed By: MS

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received:

BTEX 8021B

11/26/2019

Sampling Date:

11/24/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

mg/kg

Project Location:

NONE GIVEN

Sample ID: ES - 12 (H904019-21)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	< 0.050	0.050	11/27/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	< 0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	< 0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	< 0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8 9	% 73.3-12	9						
		_	_						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Chloride, SM4500CI-B Analyte	mg/ Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
·			<u> </u>		BS 416	% Recovery	True Value QC	RPD 0.00	Qualifier
Analyte	Result	Reporting Limit	Analyzed 12/02/2019	Method Blank		,	•		Qualifier
Analyte Chloride	Result	Reporting Limit	Analyzed 12/02/2019	Method Blank		,	•		Qualifier Qualifier
Analyte Chloride TPH 8015M	Result 16.0 mg/	Reporting Limit 16.0	Analyzed 12/02/2019 Analyze	Method Blank ND d By: MS	416	104	400	0.00	
Analyte Chloride TPH 8015M Analyte	Result 16.0 mg/	Reporting Limit 16.0 kg Reporting Limit	Analyzed 12/02/2019 Analyzed Analyzed	Method Blank ND d By: MS Method Blank	416 BS	104 % Recovery	400 True Value QC	0.00	

Analyzed By: MS

Surrogate: 1-Chlorooctane

97.4 %

41-142

Surrogate: 1-Chlorooctadecane

104 %

37.6-147

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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:

BTEX 8021B

11/26/2019

Sampling Date:

11/24/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

mg/kg

Project Location:

NONE GIVEN

Sample ID: ES - 13 (H904019-22)

	91	/ J							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					
Surrogate: 1-Chlorooctane	107	% 41-142	?						
	110	0/ 27/1	-						

Analyzed By: MS

Surrogate: 1-Chlorooctadecane

113 %

37.6-147

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Celeg D. Keine



Analytical Results For:

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

Received:

BTEX 8021B

11/26/2019

Sampling Date:

11/24/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

mg/kg

Project Location:

NONE GIVEN

Sample ID: ES - 14 (H904019-23)

	<u> </u>								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					
Surrogate: 1-Chlorooctane	107 :	% 41-142	1						
Surrogate: 1-Chlorooctadecane	113 9	% 37.6-14	7						

Analyzed By: MS

Cardinal Laboratories

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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:

RTFY 8021R

11/26/2019

Sampling Date:

11/24/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

ma/ka

Sample Received By:

Tamara Oldaker

Project Location:

NONE GIVEN

Sample ID: ES - 15 (H904019-24)

Result <0.050 <0.050 <0.050	Reporting Limit 0.050 0.050	Analyzed 11/27/2019	Method Blank	BS 1.76	% Recovery	True Value QC	RPD	Qualifier
<0.050			ND	1 76				
	0.050			1.70	88.1	2.00	13.5	
<0.050		11/27/2019	ND	1.69	84.3	2.00	14.2	
-0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6	
<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6	
<0.300	0.300	11/27/2019	ND					
98.5	% 73.3-12	9						
mg/	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<16.0	16.0	12/02/2019	ND	416	104	400	0.00	
mg/	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
<10.0	10.0	11/27/2019	ND					
108 9	% 41-142							
113 9	% 37.6-14	7						
	<0.300 98.5 mg/ Result <16.0 mg/ Result <10.0 <10.0 <10.0	<0.150 0.150 <0.300 0.300 98.5 % 73.3-12.0 mg/ky Result Reporting Limit <16.0 16.0 mg/ky Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0 <10.0 10.0	<0.150	<0.150 0.150 11/27/2019 ND 98.5 % 73.3-129 Analyzed By: AC Result Reporting Limit Analyzed Method Blank <16.0	<0.150	<0.050	<0.050	<0.050

Analyzed By: MC

Cardinal Laboratories

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Celey D. Kreine



Analytical Results For:

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

Received:

BTEX 8021B

11/26/2019

2/04/2010

Sampling Date:

11/24/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name: Project Number: PEDEVCO HALEY 30 NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact
Tamara Oldaker

Project Location:

NONE GIVEN

mg/kg

Sample ID: ES - 16 (H904019-25)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Analyte Chloride	Result	Reporting Limit	Analyzed 12/02/2019	Method Blank	BS 416	% Recovery	True Value QC 400	RPD 0.00	Qualifier
,		16.0	12/02/2019			,	•		Qualifier
Chloride	80.0	16.0	12/02/2019	ND		,	•		Qualifier Qualifier

ND

ND

206

103

200

0.401

Analyzed By: MS

Surrogate: 1-Chlorooctane

DRO >C10-C28*

EXT DRO >C28-C36

102 %

<10.0

<10.0

41-142

11/27/2019

11/27/2019

10.0

10.0

Surrogate: 1-Chlorooctadecane

108 %

37.6-147

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Celey D. Keine



Analytical Results For:

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

Received:

11/26/2019

Sampling Date:

11/24/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Number:

PEDEVCO HALEY 30

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

Project Number: Project Location:

NONE GIVEN

Sample ID: ES - 17 (H904019-26)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6	

ND

Surrogate: 4-Bromofluorobenzene (PID

Total BTEX

97.9 %

< 0.300

73.3-129

11/27/2019

0.300

Chloride, SM4500Cl-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	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					

Surrogate: 1-Chlorooctane

105 %

41-142

Surrogate: 1-Chlorooctadecane

112 %

37.6-147

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Analytical Results For:

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

Received:

11/26/2019

Sampling Date:

11/24/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30 NONE GIVEN

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

Project Number: Project Location:

NONE GIVEN

Sample ID: ES - 18 (H904019-27)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					
Surrogate: 1-Chlorooctane	104 9	% 41-142	!						
Surrogate: 1-Chlorooctadecane	112 9	% 37.6-14	7						

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Analytical Results For:

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

Received:

11/26/2019

Sampling Date:

11/24/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sample ID: ES - 19 (H904019-28)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					
Surrogate: 1-Chlorooctane	110	% 41-142	,						
Surrogate: 1-Chlorooctadecane	118	% 37.6-14	7						

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Analytical Results For:

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

Received:

11/26/2019

Sampling Date:

11/24/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sample ID: ES - 20 (H904019-29)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 73.3-12	9						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					
Surrogate: 1-Chlorooctane	105	% 41-142	?						
Surrogate: 1-Chlorooctadecane	112	% 37.6-14	7						

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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:

BTEX 8021B

11/26/2019

Sampling Date: Sampling Type: 11/24/2019

Reported: Project Name: 12/04/2019

Soil

Project Number:

PEDEVCO HALEY 30 NONE GIVEN

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

Project Location:

NONE GIVEN

mg/kg

109 %

37.6-147

Sample ID: ES - 21 (H904019-30)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					
Surrogate: 1-Chlorooctane	103 %	6 41-142	!						

Analyzed By: MS

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

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Analytical Results For:

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

Received:

11/26/2019

Sampling Date:

11/24/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

ma/ka

Sample Received By:

Tamara Oldaker

Project Location:

RTFY 8021R

NONE GIVEN

Sample ID: ES - 22 (H904019-31)

B1EX 8021B	mg/	кд	Anaiyze	а ву: мѕ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					
Surrogate: 1-Chlorooctane	96.0	% 41-142							
Surrogate: 1-Chlorooctadecane	104 9	% 37.6-14	7						

Analyzed By: MC

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Celey D. Keine



Analytical Results For:

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

Received:

BTEX 8021B

11/26/2019

Sampling Date:

11/24/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30 NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

NONE GIVEN

mg/kg

Sample ID: ES - 23.2 (H904019-32)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/27/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/27/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/27/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/27/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/27/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Chloride, SM4500CI-B Analyte	mg/ Result	Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
·			<u> </u>	-	BS 416	% Recovery	True Value QC	RPD 0.00	Qualifier
Analyte	Result	Reporting Limit	Analyzed 12/02/2019	Method Blank		•	·		Qualifier
Analyte Chloride	Result	Reporting Limit	Analyzed 12/02/2019	Method Blank		•	·		Qualifier Qualifier
Analyte Chloride TPH 8015M	Result 224 mg/	Reporting Limit 16.0	Analyzed 12/02/2019 Analyze	Method Blank ND d By: MS	416	104	400	0.00	

ND

Analyzed By: MS

Surrogate: 1-Chlorooctane

EXT DRO >C28-C36

101 %

<10.0

41-142

11/27/2019

10.0

Surrogate: 1-Chlorooctadecane

104 %

37.6-147

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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:

BTEX 8021B

11/26/2019

Sampling Date:

11/24/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

mg/kg

Project Location: NONE GIVEN

Sample ID: ES - 24 (H904019-33)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/28/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/28/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/28/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/28/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					
Surrogate: 1-Chlorooctane	108 9	% 41-142	·						

Analyzed By: MS

Surrogate: 1-Chlorooctadecane

112 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received:

RTFY 8021R

11/26/2019 12/04/2019

Reported: Project Name:

PEDEVCO HALEY 30

Project Number: NONE GIVEN

Project Location:

NONE GIVEN

ma/ka

Sampling Date: 11/24/2019

Sampling Type: Soil Sampling Condition: Cool

Sample Received By:

Cool & Intact Tamara Oldaker

Sample ID: ES - 25 (H904019-34)

Result <0.050 <0.050 <0.050 <0.150 <0.300	Reporting Limit 0.050 0.050 0.050 0.150	Analyzed 11/28/2019 11/28/2019 11/28/2019	Method Blank ND ND	BS 1.76 1.69	% Recovery 88.1 84.3	True Value QC 2.00	RPD 13.5	Qualifier
<0.050 <0.050 <0.150	0.050 0.050	11/28/2019	ND				13.5	
<0.050 <0.150	0.050			1.69	84.3			
<0.150		11/28/2019			5 115	2.00	14.2	
	0.150		ND	1.72	85.9	2.00	13.6	
<0.300		11/28/2019	ND	5.19	86.5	6.00	13.6	
	0.300	11/28/2019	ND					
98.2	% 73.3-12	9						
mg	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<16.0	16.0	12/02/2019	ND	416	104	400	0.00	
mg	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
<10.0	10.0	11/27/2019	ND					
107	% 41-142	!						
10/								
	Result <16.0 mg, Result <10.0 <10.0 <10.0	mg/kg Result Reporting Limit <16.0 16.0 mg/kg Result Reporting Limit <10.0 10.0 <10.0 10.0 <10.0 10.0	mg/kg Analyzed Result Reporting Limit Analyzed <16.0	mg/ky Analyzed By: AC Result Reporting Limit Analyzed Method Blank <16.0 12/02/2019 ND mg/ky Analyzed By: MS Result Reporting Limit Analyzed Method Blank <10.0	mg/ky Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS <16.0	mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery <16.0	mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <16.0	mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <16.0

Analyzed By: MC

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Kreine



Analytical Results For:

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

Received:

11/26/2019

Sampling Date:

11/26/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

Sampling Condition: Sample Received By: Cool & Intact

Project Number: Project Location:

NONE GIVEN

Tamara Oldaker

Sample ID: ES - 26.2 (H904019-35)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/28/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/28/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/28/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	< 0.300	0.300	11/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID

97.8 %

73.3-129

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte Re	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					

Surrogate: 1-Chlorooctane

109 %

41-142

Surrogate: 1-Chlorooctadecane

115 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



Analytical Results For:

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

Received:

BTEX 8021B

11/26/2019

Sampling Date:

11/26/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

Sampling Condition:

Cool & Intact

Project Number:

NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

NONE GIVEN

mg/kg

Sample ID: ES - 27 (H904019-36)

	9,	9	7	7: : : :					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/28/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/28/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/28/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	<0.300	0.300	11/28/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	12/02/2019	ND	416	104	400	0.00	QM-07
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					
Surrogate: 1-Chlorooctane	82.7	% 41-142							
Surrogate: 1-Chlorooctadecane	89.1	% 37.6-14	7						

Analyzed By: MS

Cardinal Laboratories

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Analytical Results For:

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

Received:

11/26/2019

Sampling Date:

11/26/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number: Project Location: NONE GIVEN NONE GIVEN

Sample ID: ES - 28.3 (H904019-37)

BTEX 8021B	mg,	mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/28/2019	ND	1.76	88.1	2.00	13.5	
Toluene*	<0.050	0.050	11/28/2019	ND	1.69	84.3	2.00	14.2	
Ethylbenzene*	<0.050	0.050	11/28/2019	ND	1.72	85.9	2.00	13.6	
Total Xylenes*	<0.150	0.150	11/28/2019	ND	5.19	86.5	6.00	13.6	
Total BTEX	< 0.300	0.300	11/28/2019	ND					

Surrogate: 4-Bromofluorobenzene (PID

Chloride, SM4500CI-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS % Recov	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	198	98.8	200	4.11	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	206	103	200	0.401	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					

Surrogate: 1-Chlorooctane

102 %

41-142

Surrogate: 1-Chlorooctadecane

111 %

37.6-147

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Celeg D. Keene



Analytical Results For:

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

Received:

11/26/2019

Sampling Date:

11/26/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number: Project Location: NONE GIVEN NONE GIVEN

Sample ID: ES - 29 (H904019-38)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2019	ND	2.00	99.9	2.00	2.06	
Toluene*	<0.050	0.050	12/02/2019	ND	1.91	95.5	2.00	2.27	
Ethylbenzene*	<0.050	0.050	12/02/2019	ND	1.94	96.8	2.00	2.41	
Total Xylenes*	< 0.150	0.150	12/02/2019	ND	5.88	98.1	6.00	2.34	
Total BTEX	<0.300	0.300	12/02/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	199	99.7	200	2.31	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	203	101	200	0.662	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					
Surrogate: 1-Chlorooctane	97.7	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	105 9	37.6-14	7						

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Celeg D. Keine



Analytical Results For:

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

Received:

11/26/2019

Sampling Date:

11/26/2019

Soil

Reported:

12/04/2019

Sampling Type:

Project Name:

PEDEVCO HALEY 30

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

Project Number: Project Location:

NONE GIVEN

Sample ID: ES - 30 (H904019-39)

mg/	kg	Analyzed By: MS						
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<0.050	0.050	12/02/2019	ND	2.00	99.9	2.00	2.06	
<0.050	0.050	12/02/2019	ND	1.91	95.5	2.00	2.27	
<0.050	0.050	12/02/2019	ND	1.94	96.8	2.00	2.41	
<0.150	0.150	12/02/2019	ND	5.88	98.1	6.00	2.34	
<0.300	0.300	12/02/2019	ND					
	Result <0.050 <0.050 <0.050 <0.150	<0.050	Result Reporting Limit Analyzed <0.050 0.050 12/02/2019 <0.050 0.050 12/02/2019 <0.050 0.050 12/02/2019 <0.150 0.150 12/02/2019	Result Reporting Limit Analyzed Method Blank <0.050 0.050 12/02/2019 ND <0.050 0.050 12/02/2019 ND <0.050 0.050 12/02/2019 ND <0.150 0.150 12/02/2019 ND	Result Reporting Limit Analyzed Method Blank BS <0.050 0.050 12/02/2019 ND 2.00 <0.050 0.050 12/02/2019 ND 1.91 <0.050 0.050 12/02/2019 ND 1.94 <0.150 0.150 12/02/2019 ND 5.88	Result Reporting Limit Analyzed Method Blank BS % Recovery <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <0.050	Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <0.050

Surrogate: 4-Bromofluorobenzene (PID

99.4 %

73.3-129

Chloride, SM4500Cl-B	mg	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	199	99.7	200	2.31	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	203	101	200	0.662	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					

Surrogate: 1-Chlorooctane

106 %

41-142

Surrogate: 1-Chlorooctadecane

111 %

37.6-147

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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:

BTEX 8021B

11/26/2019

Sampling Date:

11/26/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

Sampling Condition: Sample Received By: Cool & Intact

Project Number: Project Location:

NONE GIVEN

mg/kg

Sample

Tamara Oldaker

Sample ID: ES - 31.2 (H904019-40)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2019	ND	2.00	99.9	2.00	2.06	
Toluene*	<0.050	0.050	12/02/2019	ND	1.91	95.5	2.00	2.27	
Ethylbenzene*	<0.050	0.050	12/02/2019	ND	1.94	96.8	2.00	2.41	
Total Xylenes*	<0.150	0.150	12/02/2019	ND	5.88	98.1	6.00	2.34	
Total BTEX	<0.300	0.300	12/02/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2 9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/02/2019	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/27/2019	ND	199	99.7	200	2.31	
DRO >C10-C28*	<10.0	10.0	11/27/2019	ND	203	101	200	0.662	
EXT DRO >C28-C36	<10.0	10.0	11/27/2019	ND					
	<10.0	10.0	11/2//2019	ND					

Analyzed By: MS

Surrogate: 1-Chlorooctane

105 %

41-142

Surrogate: 1-Chlorooctadecane

110 %

37.6-147

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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:

BTEX 8021B

11/26/2019

Sampling Date:

11/26/2019

Reported:

12/04/2019

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number: Project Location:

NONE GIVEN

mg/kg

Sample ID: ES - 32.2 (H904019-41)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/02/2019	ND	2.00	99.9	2.00	2.06	
Toluene*	<0.050	0.050	12/02/2019	ND	1.91	95.5	2.00	2.27	
Ethylbenzene*	<0.050	0.050	12/02/2019	ND	1.94	96.8	2.00	2.41	
Total Xylenes*	<0.150	0.150	12/02/2019	ND	5.88	98.1	6.00	2.34	
Total BTEX	<0.300	0.300	12/02/2019	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Chloride, SM4500CI-B Analyte	mg ,	/kg Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
			-	-	BS 416	% Recovery	True Value QC	RPD 0.00	Qualifier
Analyte	Result	Reporting Limit	Analyzed 12/02/2019	Method Blank		,	·		Qualifier
Analyte Chloride	Result	Reporting Limit	Analyzed 12/02/2019	Method Blank		,	·		Qualifier Qualifier
Analyte Chloride TPH 8015M	Result 32.0	Reporting Limit 16.0	Analyzed 12/02/2019 Analyze	Method Blank ND d By: MS	416	104	400	0.00	

ND

Analyzed By: MS

Surrogate: 1-Chlorooctane

EXT DRO >C28-C36

104 %

<10.0

41-142

11/27/2019

10.0

Surrogate: 1-Chlorooctadecane

111 %

37.6-147

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Celeg & Kreens



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.
QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
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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Delivered By: (Circle One)
Sampler - UPS - Bus - Other:

Observed Temp. °C 4.3
Corrected Temp. °C 4.7

Sample Condition
Cool Intact
Yes Tes
No No

CHECKED BY: (Initials)

Turnaround Time:

Standard Rush

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C

Yes Yes
No No Corrected Temp. °C

Thermometer ID #97 Correction Factor + 0.4 °C

CARDINAL Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

					P.	Time:	
		REMARKS:	(Received By:		•	Relinquished By:
ailed. Please provide Email address:	emailed. Please prov	All Results are em	Make	lamara U	Time: 7:20	M Tin	Matt 1
Add'l Phone #:	□ Yes □ No	Verbal Result:	011	Received By:	e: W/ Rece	Dat	Relinquished By:
		ient, its subsidiaries, isons or otherwise.	loss of use, or loss of profits incurred by cl is based upon any of the above stated rea	nitation, business interruptions, I gardless of whether such claim	damages, including without ling es hereunder by Cardinal, re	service. In no event shall Cardinal be liable for incidental or consequental darmages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	service. In no event shall Car affiliates or successors arising
	cable	by the client for the completion of the appli	or tort, shall be limited to the amount paid received by Cardinal within 30 days after	ising whether based in contract aived unless made in writing and	usive remedy for any claim an natsoever shall be deemed w	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable	nalyses. All claims including
	х х	8:000n X	11/20 =	*		ES-1	10
		_	11/26				9
			_			FR-8	8
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			11/24			EB-6	e
						158-5	5
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	ex	D 4		WATE	R (C)C		- 3k
	- 12	+		-1000	OMP.		
	- es	LING	PRESERV. SAMPLING	MATRIX			FOR LAB USE ONLY
)		Fax #:				Sampler Name:
			Phone #:				Project Location:
			State: Zip:		taley 30	Pedenco +	Project Name:
			City:		Project Owner:	Pro	Project #:
			Address:		#:	Fax #:	Phone #:
			Attn:	20	State: Zip:	St	City:
			Company:		(Address:
			P.O. #:)	Longerie	Mattrew	Project Manager:
ANALYSIS REQUEST			BILL TO			15XSOL1	Company Name:

Relinquished By:

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Observed Temp. °C 4.3
Corrected Temp. °C 4.7

Sample Condition
Cool Intact
Yes Tes
No No

CHECKED BY: (Initials)

Turnaround Time:

Standard Rush

Date: Time:

Received By:

REMARKS:

Relinquished By:

Date: V/10

Received By:

All Results are emailed. Please provide Email address:

☐ No Add'I Phone #:

Verbal Result: ☐ Yes

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



01 East Mariand, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 を メベルン

Company Name:	アメSoi			BILL 70	ANALYSIS REQUEST	TS
Project Manager:	Matthew	Long crice)	P.O. #:	- 1	
Address:		•		Company:		
City:		State: Z	Zip:	Attn:		
Phone #:		Fax #:		Address:		
Project #:		Project Owner:		City:		
Project Name:	Peden Co t	Haler 30		State: Zip:		
Project Location:				Phone #:		
Sampler Name:	1/1			Fax #:		
FOR LAB USE ONLY			MATRIX	PRESERV. SAMPLING	15	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP	# CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER: DATE	TPH Btex Chlorid	
	ES-2		Ж		х х х	
12	ES-3		_		-, -,	
W.	アペヨ			11/20		
14	ES-5,2			11/20		
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17	ES-8			11/20		
18	ES-9			1/26		
19	ES- 10		,	1/24		
20	ES- 11,2		×	1/26 8:00 cm	XXX	
PLEASE NOTE: Liability and analyses. All claims including analyses. All claims including	Damages, Cardinal's liability and client those for negligence and any other cau	s exclusive remedy for any cluste whatsoever shall be deen	aim arising whether based in contrained waived unless made in writing a	nt paid s after	pplicable	
affiliates or successors arising	out of or related to the performance of	services hereunder by Cardin	dinal, regardless of whether such clair	affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	wise,	

Thermometer ID #97 Correction Factor + 0.4 °C Relinquished By:

Date:1/726
Time: 2:70

Received By:

REMARKS:

Sampler - UPS - Bus - Other:

Delivered By: (Circle One)

Observed Temp. °C 4.3
Corrected Temp. °C 4.7

Sample Condition
Cool Intact
Yes Yes
No No

CHECKED BY: (Initials)

Turnaround Time:

Standard Rush

Bacteria (only) Sample Condition
Cool Intact Observed Temp. °C

Yes Yes
No No Corrected Temp. °C

Date: Time: Relinquished By:

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

Received By:

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 : ベメSのい

Company Name:	アメいるこ		07 778	ANALYSIS REQUEST
Project Manager:	3	Congenier	P.O. #:	- 11
Address:			Company:	
City:	State:	Zip:	Attn:	
Phone #:	Fax #:		Address:	
Project #:	Project Owner:	er:	City:	
Project Name:	PEDENCO HAVEY	30	State: Zip:	
Project Location:			Phone #:	
Sampler Name:	Natt		Fax #:	
FOR LAB USE ONLY		P. MATRIX	PRESERV. SAMPLING	3
Lab I.D.	Sample I.D.	AB OR (C)OM NTAINERS JNDWATER FEWATER	BASE: COOL	TPH 3 tex hloride
404019	a ^r	# CO GRO		1 C
2/	ES-12	· ×	W24 8	× × ×
8	Es-13			
	F2-14			
ð	ES-15			
	ES-16			
Se la	ES-17			
	S-18			
-	55-19			
	ES-20			
3 8	ES-21	×	1/24 Biocar	× - x -
PLEASE NOTE: Liability and Da	PLEASE NOTE: Liability and Damages. Coordinate liability and clerify exclusive remety for any claim arising whether based in contract or tort, shall be limited to the amount analyses. All foliations the contract of the con	r any claim arising whether based in contract o	paid	

40

Thermometer ID #97 Correction Factor + 0.4 °C Relinquished By:

Date: 1820

asons or otherwise.

Verbal Result: ☐ Yes ☐ No Add'I Phone #;

All Results are emailed. Please provide Email address:

Received By:

REMARKS:

Date: Time:

Sampler - UPS - Bus - Other:

Observed Temp. °C 4.7
Corrected Temp. °C 4.7

Sample Condition
Cool Intact
TYes TYES
No No

CHECKED BY: (Initials)

Turnaround Time:

Standard Rush

10

Thermometer ID #97 Correction Factor + 0.4 °C Delivered By: (Circle One)

Relinquished By:

CARDINAL Laboratories

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	7x5000			60	BILL TO					ANALYSIS REQUEST
Project Manager:	Mattree Congenie	5		P.O. #:						
Address:	0			Company:						
City:	State:	Zip:		Attn:						
Phone #:	Fax #:			Address:						
Project #:	Project Owner:	7		City:						
Project Name:	PEDEUCO Harry So			State:	Zip:					
Project Location:				Phone #:						
Sampler Name:				Fax #:						
FOR LAB USE ONLY		_	MATRIX	PRESERV		SAMPLING				
- - - -		(C)OMP. IERS	N. Sancoes				> H	x	x iridus	
4904019		(G)RAB C	GROUND WASTEW SOIL OIL SLUDGE	OTHER: ACID/BAS ICE / COC OTHER:	DATE	TIME	T	B+	Chi	
31	ES-22		*		=	\$:00 m	8	X	X	
St.	100				'		[-	-	
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34	ES-25				11/24	8:000			-	
35	ES-26.2				95/Vi	8:000	-	7		
22	ES-27				_	-	-			
37	ES-28,3						-			
20	Es- 29						4			
39	ES-30		_		-		4	+	_	
40	ES -31.2		*		172c	8,00.12	X	X	X	
PLEASE NOTE: Liability and	PLEASE NOTE: Liability and Danages. Cardina's liability and clients exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the	ny claim arisi	ng whether based in contract or	tort, shall be limite	d to the amount pa	d by the client for	the	- 1		
analyses. All claims including service. In no event shall Care	analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicabilistic service. In no event shall Cardinal be flable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries,	deemed waiv	ed unless made in writing and ration, business interruptions, los	eceived by Cardina s of use, or loss of	within 30 days after profits incurred by	ir completion of th	e applical	ole .		
Belinguished By:	alliates of successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	ardinal, rega	rdless of whether such claim is	based upon any of	the above stated re	asons or otherwis	ė		-	



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name:	2XX				BILL TO	6		Δ	ANALYSIS REQUEST	JEST
Project Manager:	Matther	1	angenier-	<u>ק</u>	P.O. #:			_ 		
Address:				Ç	Company:					
City:		State:	Zip:	A:	Attn:					
Phone #:		Fax #:		A	Address:					
Project #:		Project Owner:	.:	C	City:					
Project Name:	Pedenco	Haley 30	G	S	State: Zip:					
Project Location:				ס	Phone #:					
Sampler Name:	Matt			7.7	Fax #:		Ç4			
FOR LAB USE ONLY				MATRIX	ESERV.	SAMPLING		S		
Lab I.D.	Sample I.D.	I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER	SOIL OIL SLUDGE OTHER:	ACID/BASE: ICE / COOL OTHER :	DATE TIME	TPH Btex Chloride	Chloride		
N/	ES-32,2			×		co	/	/		
PLEASE NOTE: Liability and Danalyses. All claims including to analyses. All claims including to service. In no event shall Cardiates or successors arising of	Damages. Cardinal's liability and those for negligence and any ot inal be liable for incidental or cout of or related to the performation.	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or fort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed valved unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	y claim arising whether leemed waived unless r without limitation, busin ardinal, regardless of w	based in contract or to made in writing and recu less interruptions, loss of hether such claim is bar	rt, shall be limited to the amo sived by Cardinal within 30 d of use, or loss of profits incur sed upon any of the above s	unt paid by the client for the iys after completion of the ap ed by client, its subsidiaries, ated reasons or otherwise.	plicable		-	-
Relinquished By:	M	Date: 1√2 6 Time: 2: 2σ	Received By:	A WADI		Verbal Result: All Results are	t: □ Yes e emailed. Pl	□ No Ao	Verbal Result: ☐ Yes ☐ No Add'I Phone #; All Results are emailed. Please provide Email address:	
Relinquished By:		Date: Time:	Received By:			REMARKS:				
Delivered By: (Circle One)		Observed Temp. °C 4.3		Sample Condition	CHECKED BY:	: Turnaround Time:		Standard	Bacteria (only) S	ample Condition
Sampler - UPS - Bus -	Other:	Corrected Temp. °C 4.7			70.	Thermometer ID #97 Correction Factor + 0.	4°C		□ Yes □ Yes	Corrected Temp. °C
	3								ı	The state of the s

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

APPENDIX F.2

LABORATORY REPORTS

REMEDIATION



January 13, 2020

MATTHEW LONGCRIER

RX-SOIL INC.

201 MAIN STREET, SUITE 1360

FORT WORTH, TX 76102

RE: PEDEVCO HALEY 30

Enclosed are the results of analyses for samples received by the laboratory on 01/08/20 13:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accred certif.html.

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

Method EPA 552.2

Haloacetic Acids (HAA-5)

Method EPA 524.2

Total Trihalomethanes (TTHM)

Method EPA 524.4

Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received:

01/08/2020

Sampling Date:

01/03/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

Sampling Condition:

Cool & Intact

Project Number:

PEDEVCO HALEY 30 NONE GIVEN

Sample Received By:

Tamara Oldaker

Project Location:

NONE GIVEN

Sample ID: A 1 (H000065-01)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/09/2020	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/09/2020	ND	191	95.7	200	6.24	
DRO >C10-C28*	<10.0	10.0	01/09/2020	ND	215	107	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	01/09/2020	ND					
Surrogate: 1-Chlorooctane	83.0	% 41-142)						
Surrogate: 1-Chlorooctadecane	90.2	% 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received:

01/08/2020

Sampling Date:

01/03/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number: Project Location: NONE GIVEN NONE GIVEN

Sample ID: A 3 (H000065-02)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/09/2020	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	191	95.7	200	6.24	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	215	107	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	83.8 %	6 41-142	?						
Surrogate: 1-Chlorooctadecane	89.6 %	6 37.6-14	7						

Cardinal Laboratories

*=Accredited Analyte

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Celecy D. Keene



Analytical Results For:

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

Received:

BTEX 8021B

01/08/2020

Sampling Date:

01/03/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number: Project Location:

NONE GIVEN

mg/kg

cation: NONE GIVEN

Sample ID: A 5 (H000065-03)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Chloride, SM4500CI-B Analyte	mg, Result	Reporting Limit	Analyze Analyzed	d By: AC Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
·			<u> </u>	-	BS 400	% Recovery	True Value QC	RPD 3.92	Qualifier
Analyte	Result	Reporting Limit	Analyzed 01/09/2020	Method Blank		,	·		Qualifier
Analyte Chloride	Result	Reporting Limit	Analyzed 01/09/2020	Method Blank		,	·		Qualifier Qualifier
Analyte Chloride TPH 8015M	Result 208	Reporting Limit 16.0	Analyzed 01/09/2020 Analyze	Method Blank ND d By: MS	400	100	400	3.92	

ND

Analyzed By: MS

Surrogate: 1-Chlorooctane

EXT DRO >C28-C36

83.1 %

<10.0

41-142

01/10/2020

10.0

Surrogate: 1-Chlorooctadecane

91.0 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

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

Fax To:

Received:

BTEX 8021B

01/08/2020

Sampling Date:

01/03/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number: Project Location: NONE GIVEN NONE GIVEN

mg/kg

90.3 %

37.6-147

Sample ID: B 2 (H000065-04)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.2	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/09/2020	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	191	95.7	200	6.24	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	215	107	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	83.6	% 41-142							

Analyzed By: MS

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

*=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received:

BTEX 8021B

01/08/2020

Sampling Date:

01/03/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

mg/kg

Project Location: NONE GIVEN

Sample ID: B 4 (H000065-05)

	9,	9							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	01/09/2020	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	191	95.7	200	6.24	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	215	107	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	91.6	% 41-142	?						
	0 6 7	0. 07.41	-						

Analyzed By: MS

Surrogate: 1-Chlorooctadecane

96.7 %

37.6-147

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Celeg D. Keine



Analytical Results For:

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

Received:

01/08/2020

Sampling Date:

01/07/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN NONE GIVEN Sample Received By:

Tamara Oldaker

Sample ID: C 1 (H000065-06)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	01/09/2020	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	191	95.7	200	6.24	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	215	107	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	77.9	% 41-142	ı						
Surrogate: 1-Chlorooctadecane	83.3	% 37.6-14	7						

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Celeg D. Keine



Analytical Results For:

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

Fax To:

Received:

01/08/2020

Sampling Date:

01/03/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number: Project Location: NONE GIVEN NONE GIVEN

Sample ID: C 2 (H000065-07)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7 %	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/09/2020	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	191	95.7	200	6.24	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	215	107	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	81.6 %	6 41-142	ı						
Surrogate: 1-Chlorooctadecane	88.7 %	6 37.6-14	7						

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Celey D. Keene



Analytical Results For:

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

Received:

BTEX 8021B

01/08/2020

Sampling Date:

01/03/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

mg/kg

Sample ID: C 3 (H000065-08)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/09/2020	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	191	95.7	200	6.24	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	215	107	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Analyzed By: MS

Surrogate: 1-Chlorooctane

78.3 %

41-142

Surrogate: 1-Chlorooctadecane

82.9 %

37.6-147

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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:

BTEX 8021B

01/08/2020

Sampling Date:

01/07/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

Sampling Condition: Sample Received By:

Cool & Intact Tamara Oldaker

Project Number: Project Location:

NONE GIVEN

mg/kg

NONE GIVEN

Sample ID: D 2 (H000065-09)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/09/2020	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	191	95.7	200	6.24	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	215	107	200	4.95	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Analyzed By: MS

Surrogate: 1-Chlorooctane

77.3 %

41-142

Surrogate: 1-Chlorooctadecane

84.2 %

37.6-147

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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:

01/08/2020

Sampling Date:

01/03/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

Sampling Condition: Sample Received By:

Cool & Intact Tamara Oldaker

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sample ID: D 4 (H000065-10)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/09/2020	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	79.5	% 41-142	!						
Surrogate: 1-Chlorooctadecane	89.1	% 37.6-14	7						

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Celeg D. Keine



Analytical Results For:

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

Fax To:

Received:

BTEX 8021B

01/08/2020

Sampling Date:

01/07/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

mg/kg

Project Location: NONE GIVEN

Sample ID: E 1 (H000065-11)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 73.3-12	9						
	_	_							
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Chloride, SM4500CI-B Analyte	mg/ Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
			<u> </u>	-	BS 400	% Recovery	True Value QC	RPD 0.00	Qualifier
Analyte	Result	Reporting Limit	Analyzed 01/09/2020	Method Blank		•	•		Qualifier
Analyte Chloride	Result	Reporting Limit	Analyzed 01/09/2020	Method Blank		•	•		Qualifier Qualifier
Analyte Chloride TPH 8015M	Result 144 mg/	Reporting Limit 16.0	Analyzed 01/09/2020 Analyze	Method Blank ND d By: MS	400	100	400	0.00	
Analyte Chloride TPH 8015M Analyte	Result 144 mg/	Reporting Limit 16.0 kg Reporting Limit	Analyzed 01/09/2020 Analyze	Method Blank ND d By: MS Method Blank	400 BS	100 % Recovery	400 True Value QC	0.00	

Analyzed By: MS

Surrogate: 1-Chlorooctane

82.1 %

41-142

Surrogate: 1-Chlorooctadecane

90.6 %

37.6-147

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Celeg D. Keene



Analytical Results For:

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

Received:

01/08/2020

Sampling Date:

01/03/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sample ID: E 3 (H000065-12)

TEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	01/09/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	75.9	% 41-142	?						
Summanta 1 Chlana a stada ana	016	0/ 27.6.14	7						

Surrogate: 1-Chlorooctadecane

84.6 %

37.6-147

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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: 01/08/2020

Reported: 01/13/2020 Project Name: PEDEVCO HALEY 30 Project Number: NONE GIVEN

Project Location: NONE GIVEN Sampling Date: 01/07/2020

Sampling Type: Soil

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

Sample ID: E 5 (H000065-13)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/09/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	79.5	% 41-142	!						
Surrogate: 1-Chlorooctadecane	87.8	% 37.6-14	7						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received:

BTEX 8021B

01/08/2020

Sampling Date:

01/03/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number: Project Location:

NONE GIVEN

mg/kg

Sample ID: F 2 (H000065-14)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	< 0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	< 0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	ka	Analyze	d By: AC					
	ıııg,	ng .	Allalyze	u by. AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
·			<u> </u>		BS 400	% Recovery	True Value QC	RPD 0.00	Qualifier
Analyte	Result	Reporting Limit	Analyzed 01/09/2020	Method Blank		•	·		Qualifier
Analyte Chloride	Result	Reporting Limit	Analyzed 01/09/2020	Method Blank		•	·		Qualifier Qualifier
Analyte Chloride TPH 8015M	Result 240 mg/	Reporting Limit 16.0	Analyzed 01/09/2020 Analyze	Method Blank ND d By: MS	400	100	400	0.00	
Analyte Chloride TPH 8015M Analyte	Result 240 mg/	Reporting Limit 16.0 kg Reporting Limit	Analyzed 01/09/2020 Analyzed Analyzed	Method Blank ND d By: MS Method Blank	400 BS	100 % Recovery	400 True Value QC	0.00	

Analyzed By: MS

Surrogate: 1-Chlorooctane

81.8 %

41-142

Surrogate: 1-Chlorooctadecane

90.5 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

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

Received:

01/08/2020

Sampling Date:

01/07/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30 NONE GIVEN

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

Project Number: Project Location:

NONE GIVEN

Sample ID: F 4 (H000065-15)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/09/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	22.9	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	86.1	% 41-142	?						
Cumpo ato, 1 Chloro atadasana	047	0/ 27.6.14	7						

Surrogate: 1-Chlorooctadecane

94.7 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Keine



Analytical Results For:

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

Received: 01/08/2

01/08/2020

Sampling Date:

01/07/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Number:

PEDEVCO HALEY 30

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

Project Number:

BTEX 8021B

DRO >C10-C28*

EXT DRO >C28-C36

NONE GIVEN

mg/kg

Project Location: NONE GIVEN

Sample ID: G 1 (H000065-16)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte									
Allalyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	Result	Reporting Limit	Analyzed 01/09/2020	Method Blank	BS 400	% Recovery	True Value QC 400	RPD 0.00	Qualifier
,		16.0	01/09/2020			,	·		Qualifier
Chloride	336	16.0	01/09/2020	ND		,	·		Qualifier Qualifier

ND

ND

217

108

200

0.728

01/10/2020

01/10/2020

Analyzed By: MS

Surrogate: 1-Chlorooctane 78.1 % 41-142
Surrogate: 1-Chlorooctadecane 85.0 % 37.6-147

<10.0

<10.0

10.0

10.0

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Celeg & Kreens



Analytical Results For:

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

Received:

BTEX 8021B

01/08/2020

Sampling Date:

01/03/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

mg/kg

Sample ID: G 2 (H000065-17)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	01/09/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	78.5	% 41-142							
Surrogate: 1-Chlorooctadecane	85.9	% 37.6-14	7						

Analyzed By: MS

Cardinal Laboratories

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Celey D. Keine



Analytical Results For:

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

Received:

RTFY 8021R

01/08/2020

Sampling Date:

01/07/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

Sampling Condition:

Cool & Intact

Project Number: Project Location:

NONE GIVEN

ma/ka

Sample Received By:

Tamara Oldaker

Sample ID: G 3 (H000065-18)

BIEX 8021B	mg	/кд	Anaiyze	ea By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	2.09	104	2.00	3.22	
Toluene*	<0.050	0.050	01/10/2020	ND	2.07	104	2.00	3.06	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.11	105	2.00	2.66	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	6.14	102	6.00	2.42	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 73.3-12	9						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/09/2020	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	77.8	% 41-142							
Surrogate: 1-Chlorooctadecane	84.8	% 37.6-14	7						

Analyzed By: MC

Cardinal Laboratories

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Celey D. Kreine



Analytical Results For:

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

Received:

RTFY 8021R

01/08/2020

Sampling Date:

01/07/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

Sampling Condition:

Cool & Intact

Project Number: Project Location:

NONE GIVEN

NONE GIVEN

ma/ka

Sample Received By:

Tamara Oldaker

Sample ID: H 2 (H000065-19)

B1EX 8021B	mg/	кд	Anaiyze	а ву: м5					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	01/09/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	11.7	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	81.9	% 41-142							
Surrogate: 1-Chlorooctadecane	89.7	% 37.6-14	7						

Analyzed By: MC

Cardinal Laboratories

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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:

BTEX 8021B

01/08/2020

Sampling Date:

01/07/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30 NONE GIVEN Sampling Condition: Sample Received By: Cool & Intact Tamara Oldaker

Project Number: Project Location:

NONE GIVEN

mg/kg

86.0 %

37.6-147

Sample ID: H 4 (H000065-20)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.7	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	01/09/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	78.9	% 41-142	1						

Analyzed By: MS

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

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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:

01/08/2020

Sampling Date:

01/07/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

Sample ID: I 1 (H000065-21)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 73.3-129)						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Chloride, SM4500Cl-B	mg,	кд	Analyze	а ву: АС					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	01/09/2020	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	12.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Surrogate: 1-Chlorooctane

80.9 %

41-142

Surrogate: 1-Chlorooctadecane

87.4 %

37.6-147

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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:

01/08/2020

Sampling Date:

01/03/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

Project Location: NONE GIVEN

Sample ID: I 3 (H000065-22)

BTEX 8021B	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 73.3-12	9						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/09/2020	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	27.3	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	10.6	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	80.7	% 41-142	?						
Surrogate: 1-Chlorooctadecane	89.1	% 37.6-14	7						

Cardinal Laboratories

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Celey D. Keine



Analytical Results For:

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

Received:

BTEX 8021B

01/08/2020

Sampling Date:

01/03/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

Sampling Condition: Sample Received By:

Cool & Intact Tamara Oldaker

Project Number:

NONE GIVEN

mg/kg

Project Location: NONE GIVEN

Sample ID: I 5 (H000065-23)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.1	% 73.3-12	9						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/09/2020	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	196	98.2	200	0.145	

ND

ND

217

108

200

0.728

Analyzed By: MS

Surrogate: 1-Chlorooctane

DRO >C10-C28*

EXT DRO >C28-C36

77.0 %

<10.0

<10.0

41-142

01/10/2020

01/10/2020

10.0

10.0

Surrogate: 1-Chlorooctadecane

85.7 %

37.6-147

Cardinal Laboratories *=Accredited Analyte

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Celeg & Kreens



Analytical Results For:

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

Received:

01/08/2020

Sampling Date:

01/07/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

Sampling Condition: Sample Received By:

Cool & Intact Tamara Oldaker

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

82.5 %

37.6-147

Sample ID: J 1 (H000065-24)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 %	6 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	01/09/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	10.6	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	75.2 9	% 41-142	ı						

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Surrogate: 1-Chlorooctadecane

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Celeg D. Keine



Analytical Results For:

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

Received:

BTEX 8021B

01/08/2020

Sampling Date:

01/07/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

Sampling Condition:

Cool & Intact

Project Number: Project Location:

NONE GIVEN

mg/kg

88.9 %

37.6-147

Sample Received By:

Tamara Oldaker

Sample ID: J 5 (H000065-25)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.9	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	01/09/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	81.5 9	% 41-142	•						

Analyzed By: MS

Cardinal Laboratories

Surrogate: 1-Chlorooctadecane

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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:

01/08/2020

Sampling Date:

01/03/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

Sampling Condition: Sample Received By:

Cool & Intact Tamara Oldaker

Project Number: Project Location: NONE GIVEN NONE GIVEN

Sample ID: K 1 (H000065-26)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	6 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/09/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	196	98.2	200	0.145	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	217	108	200	0.728	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	84.3 9	% 41-142	?						
Surrogate: 1-Chlorooctadecane	90.8	% 37.6-14	7						

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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:

BTEX 8021B

01/08/2020

Sampling Date:

01/03/2020

Reported:

01/13/2020

Sampling Type:

50il

Project Name:

PEDEVCO HALEY 30

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

Project Number:

NONE GIVEN

Project Location:

NONE GIVEN

mg/kg

Sample ID: K 3 (H000065-27)

TPH 8015M	mg/	kg	Analyze	d By: MS					
Chloride	96.0	16.0	01/09/2020	ND	400	100	400	0.00	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Surrogate: 4-Bromofluorobenzene (PID	99.5	73.3-12	9						
Total BTEX	<0.300	0.300	01/10/2020	ND					
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Benzene*	<0.050	0.050	01/10/2020	ND	1.98	99.0	2.00	4.70	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

Method Blank

ND

ND

ND

BS

165

159

% Recovery

82.5

79.4

True Value QC

200

200

RPD

18.4

19.4

Qualifier

Analyzed

01/10/2020

01/10/2020

01/10/2020

Analyzed By: MS

Surrogate: 1-Chlorooctane

GRO C6-C10*

DRO >C10-C28*

EXT DRO >C28-C36

104 %

Result

<10.0

<10.0

<10.0

41-142 37.6-147

Reporting Limit

10.0

10.0

10.0

Surrogate: 1-Chlorooctadecane

Analyte

109 %

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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:

01/08/2020

Sampling Date:

01/03/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

Sampling Condition:

Cool & Intact

Project Number: Project Location: NONE GIVEN NONE GIVEN Sample Received By:

Tamara Oldaker

Sample ID: K 5 (H000065-28)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 73.3-12	9						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/09/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	165	82.5	200	18.4	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	159	79.4	200	19.4	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					
Surrogate: 1-Chlorooctane	104 %	6 41-142	ı						
Surrogate: 1-Chlorooctadecane	111 %	6 37.6-14	7						

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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:

BTEX 8021B

01/08/2020

Sampling Date:

01/03/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

Project Number: Project Location:

NONE GIVEN

mg/kg

Sample ID: L 2 (H000065-29)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	01/09/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/10/2020	ND	165	82.5	200	18.4	
DRO >C10-C28*	<10.0	10.0	01/10/2020	ND	159	79.4	200	19.4	
EXT DRO >C28-C36	<10.0	10.0	01/10/2020	ND					

Analyzed By: MS

Surrogate: 1-Chlorooctane

41-142

105 %

Surrogate: 1-Chlorooctadecane 111 %

37.6-147

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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:

BTEX 8021B

GRO C6-C10*

DRO >C10-C28*

EXT DRO >C28-C36

01/08/2020

Sampling Date:

01/03/2020

Reported:

01/13/2020

Sampling Type:

Soil

Project Name:

PEDEVCO HALEY 30

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

14.1

15.6

200

200

Project Number:

NONE GIVEN

mg/kg

Project Location: NONE GIVEN

Sample ID: L 4 (H000065-30)

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/10/2020	ND	1.98	99.0	2.00	4.70	
Toluene*	<0.050	0.050	01/10/2020	ND	1.96	98.2	2.00	4.86	
Ethylbenzene*	<0.050	0.050	01/10/2020	ND	2.00	99.8	2.00	4.76	
Total Xylenes*	<0.150	0.150	01/10/2020	ND	5.81	96.8	6.00	4.68	
Total BTEX	<0.300	0.300	01/10/2020	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 73.3-12	9						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/09/2020	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

ND

ND

ND

230

266

115

133

01/10/2020

01/10/2020

01/10/2020

Analyzed By: MS

Surrogate: 1-Chlorooctane 89.0 % 41-142
Surrogate: 1-Chlorooctadecane 96.9 % 37.6-147

<10.0

<10.0

<10.0

10.0

10.0

10.0

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Notes and Definitions

QR-02 The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC

batch were accepted based on percent recoveries and completeness of QC data.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

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Celey D. Keene

Sampler - UPS - Bus - Other: #113

38.60

Sample Condition
Cool Intact
Yes Yes
No No

CHECKED BY: (Initials) 40

Delivered By: (Circle One)

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 33 of 35 101 East Marland, Hobbs, NM 88240 boratories

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

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affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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

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FORM-006 R 2.0

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Time: 73:20
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REMARKS:

☐ Yes

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

Received By:

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Laboratories

Laboratories

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