

201 Main Street, Suite 1360 & Fort Worth, TX 76102 & (817) 296-1730

#### August 28, 2017

Olivia Yu NMOCD District 1 1625 French Dr. Hobbs, NM 88240

#### Dear Olivia Yu:

RXSoil, Inc. is pleased to submit the attached Closure Report summarizing the on-site soil remediation of produced water impacted and crude oil distressed soil at the Ruth Co. SWD site located in Eddy County, New Mexico. The purpose of this Closure Report is to obtain closure from the New Mexico Oil Conservation Division (NMOCD) for remediation of the release that occurred on November 6, 2016. Results of the complete restoration and remediation follow in the attached report.

Submitted by: RXSoil, Inc.

Stan Mickle

Jacob Mickle

Vice President of Operations Office: (817) 332-7645 Mobile: (210) 997-7645 Remediation Field Specialist Office: (817) 332-7645 Mobile: (210) 853-7645

#### **Closure Report**

Ruth Co SWD 1RP-4572-0

32°41'49.94"N 103° 5'33.15"W

Section 30, Township 18S, Range 39E

August 28, 2017

Prepared by: RXSoil, Inc. & Safety & Environmental Solutions, Inc.

# RXSOL

**Prepared for:** 

**Olivia Yu** New Mexico Oil Conservation Division – District I 1625 N. French Drive Hobbs, New Mexico 88240

### **Table of Contents**

I.	Introduction	4
II.	Site Assessment and Initial Results	4
III.	Work Done and Conclusion	4
Figur	res:	
Figur	e 1 - Vicinity Map	.7
Figur	re 2 – Sample Point Map Dec. 2016	.9
Figur	re 3 – Sample Map May 2017	13
Figur	re 4 – Excavated Areas	59
Figur	re 5&6 – Mid Project	163
Figur	e 7&8 – Final Project	166

#### Appendixes:

Appendix A – Pre-lab Data May 2017	17
Appendix B – Post Remediation Lab Data	61
Appendix C – Confirmation Samples	130
Appendix D – C-141	169
Appendix E – Ground Water Table	171

#### I. Introduction

RXSoil, Inc., has prepared this report that describes the assessment, initial delineation done by SESI, and work performed by RXSoil, Inc., of the release associated with the Ruth Co. SWD site located in Eddy County, New Mexico. Figure 1 illustrates the vicinity and location of the site. According to the C-141, Appendix D, as the result of a lightning strike, fluids were then released on location. This document includes the work efforts and the lab sampling done by a Third party, Cardinal laboratories, supporting complete restoration. Please refer to Appendix A & B for data tables.

#### II. Site Assessment and Initial Results

The target cleanup levels are determined using the *Guidelines for Remediation of Leaks, Spills and Releases* published by the NMOCD (August 13, 1993). The Recommended Remediation Action Levels (RRAL) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethyl benzene, and total xylenes (BTEX), and 1000 ppm Total Petroleum Hydrocarbons (TPH). Characterization of vertical extent of chloride concentration to a level of 600 mg/kg (PPM as directed by NMOCD District I. The site and impacted areas are shown via satellite imagery; please refer to Figures 2 and 3. The pre-remediation lab data, please refer to Appendix A, samples were taken by SESI and properly packaged, preserved and transported to Cardinal Laboratories of Hobbs, NM by chain of custody, and analyzed for TPH (total petroleum hydrocarbons) (Method 8015M), and chlorides (Method SM4500Cl-B & 300.0). The results are represented in the tables below; please refer to Appendix A & B.

#### III. Work Done and Conclusion

On-site remediation was used to address the site contamination. RXSoil, Inc. supervised the excavation of affected soils with approval from area utilities owners via 811 and NMOCD. RXSoil, Inc. continuously guided the excavation activities by collecting soil samples for field screening. Excavation occurred at various depths, refer to Figure 4. The entire area of impact was excavated to clean background depths. There were liners placed on the bottoms of areas that were excavated to 48". Third-Party Lab testing was conducted on samples taken throughout the process. The impacted soil was placed into an RXSoil, Inc. proprietary engineered containment, and cleaned utilizing specialized delivery systems to effectively treat the soil.

No harmful or hazardous chemicals were used in the RXSoil, Inc. process. The leachate fluid recovered from the treatment process was sent to an SWD approved by the NMOCD. An estimated ~3,000 bbl of water were used. Final soil samples were then collected, please refer to Appendix B, and tested at the end of treatment to confirm impacted soil had been remediated to required chloride, TPH and BTEX levels.

Soil samples collected throughout the project were a combination of composites and discrete samples. These samples were taken from various rows, columns, and different depths with in the grid creating a 3D representation of the profile. Each row was collected separately then sent to Cardinal laboratories. An estimated ~1,800 cu.yd. were treated. Concluding the remediation project, soil was then placed back into excavated areas and the pad returned to its original state as requested by NMOCD.

# FIGURE 1 Vicinity Map



FIGURE 2 Sample Point Map December 2016

Bore Hole		Bore Hole # 6			Bore Hole #	7		Bore Hole #	8		Bore Hole # 14		
Sample Point	12/13/2016	CL	TPH	12/13/2016	CL	ТРН	12/13/2016	CL	ТРН	12/13/2016	CL	TPH	
Oil Sample	Depth ft'	ppm	ppm	Depth ft'	ppm	ppm	Depth ft'	ppm	ppm	Depth ft'	ppm	ppm	
High in Chlorides	BH-1'	688	<10.0	BH-1'	480	<10.0	BH-1'	1090	<10.0	BH-1'	96	64.1	
High in TPH	BH-2'	400		BH-2'	64		BH-2'	64		BH-2'	48		
	BH-3'	192		BH-3'	16		BH-3'	144		BH-3'	48		
Sample Point # 1	BH-4'	80		BH-4'	32		BH-4'	144		BH-4'	48		
12/13/2016 CL TPH	BH-8'	32		BH-8'	<16		BH-8'	<16				ore Hole # 13	
Depth ft' ppm ppm					and the start	a maril		Antika set Think	and the second s	Sand and	12/13/2016	CL	TPH
SP-S' 880 <10.0		A Complete	and the second			- frence	pienteria		and the second		Depth ft'	ppm	ppm
		14200		at the second		4			18-20-1		BH-1'	80	<10.0
Bore Hole # 5		-	430			-		~	1	4 /2	BH-2'	16	
12/13/2016 CL TPH		130530	1		Sola	N				1/152	BH-3'	<16	
Depth ft' ppm ppm			1 -1			1-1	2			L'and the second second	BH-4'	<16	
BH-1' 32 <10.0			1 1			m J)	54			10	50	mple Point # 2	
BH-2' 32 BH-3' 48		the	0.00	Boro Hala	6	- Ai	and the second			115	12/13/2016	CL	TPH
BH-3 48 BH-4' 48	1	AN	F (		5.4	N_A	Sall St	/		~ 575 ·			
BH-8' 64	8	100 B					Bore Hole	an		~ 消震	Depth ft' SP-S'	208	ppm 47.7
BI178 04	Samp	le Point 1					Done more	840	0-1	了。有些	3F-3	208	47.7
Bore Hole # 4			4	10	Hee7	at the		Sample	Pont 2	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		0il Sample # 3	
12/13/2016 CL TPH	8	7.14 原	ore Hole	a Bore				C		- 注極的	12/13/2016	CL	TPH
Depth ft' ppm ppm	2			-	100			)		-	Depth ft'	ppm	ppm
BH-1' 96 <10.0	6	244	1		1 33.80			//	1911	ALC: NO	OS-S'	6660	12,041
BH-2' 16	E S	RYA F	9	a la	1000		B Street	-Ch	a la serie de la s	1			
BH-3' 16	2	Bore	Hole 4		1		-		)	1. 1. 1. 1. 1.	(	0il Sample # 2	
BH-4' 16	10 A	2021 /		Bore Hole	8	OILY	/ Sample E	Bore	1010 13	A LAND	12/13/2016	CL	TPH
BH-8' 32		1 3 R 4	12.00				•		-		Depth ft'	ppm	ppm
		管理工具	and the second	10	1.00	3	Olly Samp	192 🤤		118	OS-S'	4000	4,280
Bore Hole # 3	BO	ore Hole S	21816			1 al	E JI - I	)	Ses 1	1 22			
12/13/2016 CL TPH	1	ant C	Dorr	Hole 9		21-7-	5	~.		1 100		mple Point # 3	
Depth ft' ppm ppm	3	SPA .	EONE	inclase t	EIOLO LIOIS	Oily/Sampl	61	Sample P	e finite	A 180	12/13/2016	CL	TPH
BH-1' 80 <10.0	¥ 1	<b>第二日</b>	~ (			- and -	Bore H	and the second second			Depth ft'	ppm 224	ppm
BH-2' 16 BH-3' 16	<b>6</b>	Bore Hole	20	-1-	196	4	Beigh	1910 13 -		1000	SP-S'	224	<10.0
BH-5 10 BH-4' 64		Stat A		Part P		1	1	1	1-24-17	- C102		0il Sample # 1	
BH-8' 32							1				12/13/2016	CL	TPH
5110 52	1 1 1 1 1	Por	Hole 1	E ore H	DUC 10		X			1-122	Depth ft'	ppm	ppm
Bore Hole # 2		EOIG	riele i	1							OS-S'	4080	19,423
12/13/2016 CL TPH		1 4 4	A	12	A STAN	4	2	1000	· ····································	100			
Depth ft' ppm ppm	-	- 3 - 5/	VI	1 28				1 2	the first and	·	Sa	mple Point # 4	
BH-1' 32 <10.0		Se to		TE	1 4	A CONTRACTOR	18	Cample Po	dal 4		12/13/2016	CL	ТРН
BH-2' 64		· The		11	1	Ell m	1	and a	é.	1.2.2	Depth ft'	ppm	ppm
BH-3' 80		12/14	Paris	1. 3	1	11	19:00	the to the	the second	A 80	SP-S'	32	<10.0
BH-4' 128	2	3	- achanne	Frank		and in Lot	S. 5	THE THE	trea sere	成の見た			
BH-8' 96	3	1A		College States		the -			. /			ore Hole # 12	
Dava Hala #			Dave Uala #1	-	All Carried	David Line H 40	A REAL	Contract of D	Dava Hala #	-BALTREET	12/13/2016	CL	TPH
Bore Hole # 12/13/2016 CL	ТРН	12/13/2016	Bore Hole # !	ТРН	12/13/2016	Bore Hole # 10	ТРН	12/13/2016	Bore Hole # :	ТРН	Depth ft' BH-1'	<b>ppm</b> 48	ppm <10.0
12/13/2016 CL Depth ft' ppm	ppm	12/13/2016 Depth ft'	ppm	ppm	12/13/2016 Depth ft'	ppm	ppm	12/13/2016 Depth ft'	ppm	ppm	BH-1 BH-2'	48	<10.0
BH-1' <16	<10.0	BH-1'	1250	<10.0	BH-1'	592	<10.0	BH-1'	2560	496	BH-3'	32	
BH-2' <16	~10.0	BH-2'	96	10.0	BH-2	48	10.0	BH-1 BH-2	832	13.5	BH-4'	32	
BH-3' <16	1	BH-3'	80	1	BH-3'	64	1	BH-3'	240				
BH-4' 32	1	BH-4'	48	1	BH-4'	128	1	BH-4'	272	1			
BH-8' 48	]	BH-8'	16	1	BH-8'	32	1	·		-			
	-			-			-						

#### Soil Sample Results: Cardinal Laboratories 12-16-16

					Bottom of	Bottom of
		TPH	TPH	TPH EXT	caliche pad/	underlying sand/
	Chlorides	GRO	DRO	DRO	top of sand	top of native
Sample ID	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(ft.)	caliche (ft.)
BH-1, 0.9-1.1'	<16.0	<10.0	<10.0	<10.0	0.6	5.05
BH-1, 1.9-2.1'	<16.0					
BH-1, 2.7-2.9'	<16.0					
BH-1, 3.5-4'	32.0					
BH-1, 8'	48.0					
BH-2, 0.9-1.1'	32.0	<10.0	<10.0	<10.0	0.4	6.1
BH-2, 1.9-2.1'	64.0	1010	1010	1010	0.1	0.1
BH-2, 2.7-2.9'	80.0					
BH-2, 3.5-4'	128					
BH-2, 8'	96.0					
	00.0					
BH-3, 0.9-1.1'	80.0	<10.0	<10.0	<10.0	0.5	N/A
BH-3, 1.9-2.1'	16.0					
BH-3, 2.8-3.0'	16.0					
BH-3, 3.5-4'	64.0					
BH-3, 8'	32.0					
BH-4, 0.9-1.1'	96.0	<10.0	<10.0	<10.0	0.5	7.0
BH-4, 1.9-2.1'	16.0					
BH-4, 2.9-3.1'	16.0					
BH-4, 3.5-4'	16.0					
BH-4, 8'	32.0					
BH-5, 0.9-1.1'	32.0	<10.0	<10.0	<10.0	1.4	6.1
BH-5, 1.9-2.1'	32.0					
BH-5, 2.9-3.1'	48.0					
BH-5, 3.5-4'	48.0					
BH-5, 8'	64.0					
BH-6, 0.9-1.1'	688	<10.0	<10.0	<10.0	1.05	6.65
BH-6, 1.9-2.1'	400					
BH-6, 2.9-3.1'	192					
BH-6, 3.5-4'	80.0					
BH-6, 8'	32.0					
BH-7, 0.9-1.1'	480	<10.0	<10.0	<10.0	1.0	6.1
BH-7, 0.9-1.1 BH-7, 1.9-2.1'	64.0	×10.0	×10.0	<u> </u>	1.0	0.1
BH-7, 1.9-2.1 BH-7, 2.9-3.1'	16.0					
BH-7, 2.9-3.1 BH-7, 3.5-4'				<u> </u>		
,	32.0					
BH-7, 8'	<16.0					
BH-8, 0.9-1.1'	1,090	<10.0	<10.0	<10.0	1.3	All sand to 8'
BH-8, 1.9-2.1'	64.0					
BH-8, 2.9-3.1'	144					
BH-8, 3.5-4'	144					
BH-8, 8'	<16.0					
	4.050	<10.0	<10.0	<10.0	4 4	E O
BH-9, 0.9-1.1'	1,250	<10.0	<10.0	<10.0	1.4	5.6
BH-9, 1.9-2.1'	96.0					
BH-9, 2.9-3.1'	80.0					

	49.0					
BH-9, 3.5-4'	48.0					
BH-9, 8'	16.0					
		110.0	(10.0	(10.0	0.75	0.45
BH-10, 0.9-1.1'	592	<10.0	<10.0	<10.0	0.75	6.15
BH-10, 1.9-2.1'	48.0					
BH-10, 2.9-3.1'	64.0					
BH-10, 3.5-4'	128					
BH-10, 8'	32.0					
			0.10	4.40	4.0	N1/A
BH-11, 0.8-1.2'	2,560	<10.0	348	148	1.2	N/A
BH-11, 1.0-2.1'	832	<10.0	<10.0	13.5		
BH-11, 2.9-3.1'	240					
BH-11, 3.5-4.0'	272					
BH-11, 8'	N/T					
BH-12, 0.9-1.1'	48.0	<10.0	<10.0	<10.0	0.7	5.95
BH-12, 1.9-2.1'	32.0					
BH-12, 2.8-3.0'	32.0					
BH-12, 3.5-4.0'	32.0					
BH-12, 8'	N/T					
BH-13, 0.9-1.1'	80.0	<10.0	<10.0	<10.0	0.8	5.9
BH-13, 1.9-2.1'	16.0					
BH-13, 2.8-3.0'	<16.0					
BH-13, 3.5-4.0'	<16.0					
BH-13, 8'	N/T					
BH-14, 0.9-1.1'	96.0	<10.0	28.0	36.1	1.1	All sand to 8'
BH-14, 1.9-2.1'	48.0					
BH-14, 2.9-3.1'	48.0					
BH-14, 3.5-4.0'	48.0					
BH-14, 8'	N/T					
S-1, 0-0.85'	880	<10.0	<10.0	<10.0		
S-2, 0-0.55'	208	<10.0	26.7	21.0		
S-3, 0-0.55'	224	<10.0	<10.0	<10.0		
S-4, 0-0.55'	32.0	<10.0	<10.0	<10.0		
OS-1, 0-0.5'	4,080	493	13,500	5,430		
OS-2, 0-0.5'	4,000	<100	2,980	1,300		

N/T – Not tested

N/A - Info not available

FIGURE 3 Sample Map May 2017



501	Sample Resi			ones April-	way, 2017	
Sample ID	Chlorides (mg/kg)	Benzene (mg/kg)	Total BTEX (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH EXT DRO (mg/kg)
BH-1, 1'	16.0	<0.050	<0.300	<10.0	<10.0	<10.0
BH-1, 2'	16.0	<0.050	<0.300	<10.0	<10.0	<10.0
BH-1, 3'	32.0	<0.050	<0.300	<10.0	<10.0	<10.0
BH-1, 4'	32.0	<0.050	<0.300	<10.0	<10.0	<10.0
BH-1, 5'	32.0	40.000	-0.000	10.0	10.0	10.0
BH-1, 6'	32.0					
BH-1, 7'	80.0					
BH-1, 8'	160	<0.050	<0.300	<10.0	<10.0	<10.0
BH-1, 9'	160	< 0.050	< 0.300	<10.0	<10.0	<10.0
BH-2, 1'	496	<0.050	<0.300	<10.0	<10.0	<10.0
BH-2, 2'	384	< 0.050	< 0.300	<10.0	<10.0	<10.0
BH-2, 3'	288	< 0.050	< 0.300	<10.0	<10.0	<10.0
BH-2, 4'	64.0	< 0.050	<0.300	<10.0	<10.0	<10.0
BH-2, 5'	80.0					
BH-2, 6-9'	N/A	N/A	N/A	N/A	N/A	N/A
BH-2, 10'	128					
BH-2, 11'	128					
BH-2, 12'	160	<0.050	<0.300	<10.0	<10.0	<10.0
BH-2, 13'	160					
BH-2, 14	160					
BH-2, 15'	144	<0.050	<0.300	<10.0	<10.0	<10.0
BH-3, 2'	160	<0.050	<0.300	<10.0	<10.0	<10.0
BH-3, 3'	288	<0.050	<0.300	<10.0	<10.0	<10.0
BH-3, 4'	336	<0.050	<0.300	<10.0	<10.0	<10.0
BH-3, 5'	784					
BH-3, 6'	2,240					
BH-3, 7'	2,720					
BH-3, 8'	3,080	<0.050	<0.300	<10.0	<10.0	<10.0
BH-3, 8.5'	2.480	<0.050	<0.300	<10.0	<10.0	<10.0
BH-4, 1'	416	< 0.050	< 0.300	<10.0	<10.0	<10.0
BH-4, 2'	896	< 0.050	< 0.300	<10.0	<10.0	<10.0
BH-4, 3'	832	< 0.050	< 0.300	<10.0	<10.0	<10.0
BH-4, 4'	2,800	<0.050	<0.300	<10.0	<10.0	<10.0
BH-4, 5'	5,760					
BH-4, 6'	880					
BH-4, 7'	112	10.050	-0.000			
BH-4, 8'	80.0	<0.050	<0.300	<10.0	<10.0	<10.0
BH-4, 9'	32.0					
BH-4, 10'	80.0					
BH-4, 11'	32.0	-0.050	<0.000	<10.0	<10.0	<10.0
BH-4, 12'	48.0	<0.050	< 0.300	<10.0	<10.0	<10.0
BH-4, 13'	48.0	<0.050	<0.300	<10.0	<10.0	<10.0

#### Soil Sample Results: Cardinal Laboratories April-May, 2017

			Total	TPH	TPH	TPH EXT
	Chlorides	Benzene	BTEX	GRO	DRO	DRO
Sample ID	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
BH-5, 2'	10,300	<0.050	<0.300	<10.0	<10.0	<10.0
BH-5, 3'	672	<0.050	<0.300	<10.0	<10.0	<10.0
BH-5, 4'	912	<0.050	<0.300	<10.0	<10.0	<10.0
BH-5, 6'	1,800					
BH-5, 7'	1,040					
BH-5, 8'	368	<0.050	<0.300	<10.0	<10.0	<10.0
BH-5, 9-12'	N/A	N/A	N/A	N/A	N/A	N/A
BH-5, 13'	<16.0	<0.050	<0.300	<10.0	<10.0	<10.0
BH-5, 14'	<16.0	<0.050	<0.300	<10.0	<10.0	<10.0
BH-6, 2'	160	<0.050	<0.300	<10.0	<10.0	<10.0
BH-6, 3'	144	<0.050	<0.300	<10.0	<10.0	<10.0
BH-6, 4'	448	<0.050	<0.300	<10.0	<10.0	<10.0
BH-6, 6'	224					
BH-6, 7'	1,250					
BH-6, 8'	32.0	< 0.050	<0.300	<10.0	<10.0	<10.0
BH-6, 9'	32.0					
BH-6, 10'	<16.0					
BH-6, 10.8'	16.0	<0.050	<0.300	<10.0	<10.0	<10.0
BH-7, 5'	272	<0.050	<0.300	<10.0	<10.0	<10.0
BH-7, 10'	1,120	<0.050	<0.300	<10.0	<10.0	<10.0
BH-7, 25'	352	<0.050	<0.300	<10.0	<10.0	<10.0
BH-7, 30'	240	<0.050	<0.300	<10.0	<10.0	<10.0
BH-7, 35'	80.0	<0.050	<0.300	<10.0	<10.0	<10.0
BH-8, 4-6'	448	<0.050	<0.300	<10.0	16.2	<10.0
BH-8, 9-11'	32.0	<0.050	<0.300	<10.0	<10.0	<10.0
BH-8, 15'	16.0	< 0.050	<0.300	<10.0	<10.0	<10.0
BH-8, 24-26'	32.0	<0.050	<0.300	<10.0	<10.0	<10.0

#### Notes:

Boreholes BH-1 – BH-6 sampled with Geoprobe, April 21, 2017 Boreholes BH-7 – BH-8 sampled with Foremost-Mobile hollow stem auger, May 18, 2017 Borehole BH-7 located adjacent to BH-3, BH-8 located adjacent to BH-5. N/A – Info not available

# APPENDIX A Lab Data from May 2017



May 25, 2017

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: RXS-16-005

Enclosed are the results of analyses for samples received by the laboratory on 05/19/17 16:50.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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. Keine

Celey D. Keene Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	05/19/2017	Sampling Date:	05/18/2017
Reported:	05/25/2017	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

#### Sample ID: BH - 7 5' (H701350-01)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	05/23/2017	ND	1.88	94.2	2.00	0.168	
Toluene*	<0.050	0.050	05/23/2017	ND	1.86	93.2	2.00	0.197	
Ethylbenzene*	<0.050	0.050	05/23/2017	ND	1.96	97.9	2.00	0.372	
Total Xylenes*	<0.150	0.150	05/23/2017	ND	5.44	90.7	6.00	0.522	
Total BTEX	<0.300	0.300	05/23/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 72-148	}						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Chloride	272	16.0	05/22/2017	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	Qualifie
GRO C6-C10	<10.0	10.0	05/22/2017	ND	186	93.0	200	5.75	
DRO >C10-C28	<10.0	10.0	05/22/2017	ND	193	96.4	200	7.87	
EXT DRO >C28-C36	<10.0	10.0	05/22/2017	ND					
Surrogate: 1-Chlorooctane	80.8	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	85.3	% 34.7-15	7						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	05/19/2017	Sampling Date:	05/18/2017
Reported:	05/25/2017	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

#### Sample ID: BH - 7 10' (H701350-02)

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	05/23/2017	ND	1.88	94.2	2.00	0.168	
Toluene*	<0.050	0.050	05/23/2017	ND	1.86	93.2	2.00	0.197	
Ethylbenzene*	<0.050	0.050	05/23/2017	ND	1.96	97.9	2.00	0.372	
Total Xylenes*	<0.150	0.150	05/23/2017	ND	5.44	90.7	6.00	0.522	
Total BTEX	<0.300	0.300	05/23/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	98. <i>3</i>	% 72-148	2						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1120	16.0	05/22/2017	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	05/22/2017	ND	186	93.0	200	5.75	
DRO >C10-C28	<10.0	10.0	05/22/2017	ND	193	96.4	200	7.87	
EXT DRO >C28-C36	<10.0	10.0	05/22/2017	ND					
Surrogate: 1-Chlorooctane	90.8	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	96.3	% 34.7-15	7						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	05/19/2017	Sampling Date:	05/18/2017
Reported:	05/25/2017	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

#### Sample ID: BH - 7 15' (H701350-03)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2017	ND	1.88	94.2	2.00	0.168	
Toluene*	<0.050	0.050	05/23/2017	ND	1.86	93.2	2.00	0.197	
Ethylbenzene*	<0.050	0.050	05/23/2017	ND	1.96	97.9	2.00	0.372	
Total Xylenes*	<0.150	0.150	05/23/2017	ND	5.44	90.7	6.00	0.522	
Total BTEX	<0.300	0.300	05/23/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 72-148	2						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	05/22/2017	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	05/22/2017	ND	186	93.0	200	5.75	
DRO >C10-C28	<10.0	10.0	05/22/2017	ND	193	96.4	200	7.87	
EXT DRO >C28-C36	<10.0	10.0	05/22/2017	ND					
Surrogate: 1-Chlorooctane	88.0	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	91.9	% 34.7-15	7						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	05/19/2017	Sampling Date:	05/18/2017
Reported:	05/25/2017	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

#### Sample ID: BH - 7 25' (H701350-04)

BTEX 8021B	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2017	ND	1.88	94.2	2.00	0.168	
Toluene*	<0.050	0.050	05/23/2017	ND	1.86	93.2	2.00	0.197	
Ethylbenzene*	<0.050	0.050	05/23/2017	ND	1.96	97.9	2.00	0.372	
Total Xylenes*	<0.150	0.150	05/23/2017	ND	5.44	90.7	6.00	0.522	
Total BTEX	<0.300	0.300	05/23/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 72-148	2						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	05/22/2017	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	05/22/2017	ND	186	93.0	200	5.75	
DRO >C10-C28	<10.0	10.0	05/22/2017	ND	193	96.4	200	7.87	
EXT DRO >C28-C36	<10.0	10.0	05/22/2017	ND					
Surrogate: 1-Chlorooctane	83.4	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	87.2	% 34.7-15	7						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	05/19/2017	Sampling Date:	05/18/2017
Reported:	05/25/2017	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

#### Sample ID: BH - 7 30' (H701350-05)

BTEX 8021B	mg	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2017	ND	1.88	94.2	2.00	0.168	
Toluene*	<0.050	0.050	05/23/2017	ND	1.86	93.2	2.00	0.197	
Ethylbenzene*	<0.050	0.050	05/23/2017	ND	1.96	97.9	2.00	0.372	
Total Xylenes*	<0.150	0.150	05/23/2017	ND	5.44	90.7	6.00	0.522	
Total BTEX	<0.300	0.300	05/23/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 72-148	}						
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	05/22/2017	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	05/22/2017	ND	186	93.0	200	5.75	
DRO >C10-C28	<10.0	10.0	05/22/2017	ND	193	96.4	200	7.87	
EXT DRO >C28-C36	<10.0	10.0	05/22/2017	ND					
Surrogate: 1-Chlorooctane	84.7	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	89.6	% 34.7-15	7						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	05/19/2017	Sampling Date:	05/18/2017
Reported:	05/25/2017	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

#### Sample ID: BH - 7 35' (H701350-06)

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	05/23/2017	ND	1.88	94.2	2.00	0.168	
Toluene*	<0.050	0.050	05/23/2017	ND	1.86	93.2	2.00	0.197	
Ethylbenzene*	<0.050	0.050	05/23/2017	ND	1.96	97.9	2.00	0.372	
Total Xylenes*	<0.150	0.150	05/23/2017	ND	5.44	90.7	6.00	0.522	
Total BTEX	<0.300	0.300	05/23/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.9	% 72-148	2						
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	05/22/2017	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	05/22/2017	ND	186	93.0	200	5.75	
DRO >C10-C28	<10.0	10.0	05/22/2017	ND	193	96.4	200	7.87	
EXT DRO >C28-C36	<10.0	10.0	05/22/2017	ND					
Surrogate: 1-Chlorooctane	92.5	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	96.3	% 34.7-15	7						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	05/19/2017	Sampling Date:	05/18/2017
Reported:	05/25/2017	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

#### Sample ID: BH - 8 4-6' (H701350-07)

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	05/23/2017	ND	1.88	94.2	2.00	0.168	
Toluene*	<0.050	0.050	05/23/2017	ND	1.86	93.2	2.00	0.197	
Ethylbenzene*	<0.050	0.050	05/23/2017	ND	1.96	97.9	2.00	0.372	
Total Xylenes*	<0.150	0.150	05/23/2017	ND	5.44	90.7	6.00	0.522	
Total BTEX	<0.300	0.300	05/23/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 72-148	2						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	05/22/2017	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	05/22/2017	ND	186	93.0	200	5.75	
DRO >C10-C28	16.2	10.0	05/22/2017	ND	193	96.4	200	7.87	
EXT DRO >C28-C36	<10.0	10.0	05/22/2017	ND					
Surrogate: 1-Chlorooctane	91.2	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	92.8	% 34.7-15	7						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	05/19/2017	Sampling Date:	05/18/2017
Reported:	05/25/2017	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

#### Sample ID: BH - 8 9-11' (H701350-08)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/23/2017	ND	1.88	94.2	2.00	0.168	
Toluene*	<0.050	0.050	05/23/2017	ND	1.86	93.2	2.00	0.197	
Ethylbenzene*	<0.050	0.050	05/23/2017	ND	1.96	97.9	2.00	0.372	
Total Xylenes*	<0.150	0.150	05/23/2017	ND	5.44	90.7	6.00	0.522	
Total BTEX	<0.300	0.300	05/23/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 72-148							
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	05/22/2017	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	05/22/2017	ND	186	93.0	200	5.75	
DRO >C10-C28	<10.0	10.0	05/22/2017	ND	193	96.4	200	7.87	
EXT DRO >C28-C36	<10.0	10.0	05/22/2017	ND					
Surrogate: 1-Chlorooctane	83.3	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	88.0	% 34.7-15	7						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	05/19/2017	Sampling Date:	05/18/2017
Reported:	05/25/2017	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

#### Sample ID: BH - 8 15' (H701350-09)

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	05/23/2017	ND	1.88	94.2	2.00	0.168	
Toluene*	<0.050	0.050	05/23/2017	ND	1.86	93.2	2.00	0.197	
Ethylbenzene*	<0.050	0.050	05/23/2017	ND	1.96	97.9	2.00	0.372	
Total Xylenes*	<0.150	0.150	05/23/2017	ND	5.44	90.7	6.00	0.522	
Total BTEX	<0.300	0.300	05/23/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.6	% 72-148	2						
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	05/22/2017	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	05/22/2017	ND	186	93.0	200	5.75	
DRO >C10-C28	<10.0	10.0	05/22/2017	ND	193	96.4	200	7.87	
EXT DRO >C28-C36	<10.0	10.0	05/22/2017	ND					
Surrogate: 1-Chlorooctane	92.3	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	98.6	% 34.7-15	7						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	05/19/2017	Sampling Date:	05/18/2017
Reported:	05/25/2017	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Tamara Oldaker
Project Location:	NONE GIVEN		

#### Sample ID: BH - 8 24-26' (H701350-10)

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	05/23/2017	ND	1.88	94.2	2.00	0.168	
Toluene*	<0.050	0.050	05/23/2017	ND	1.86	93.2	2.00	0.197	
Ethylbenzene*	<0.050	0.050	05/23/2017	ND	1.96	97.9	2.00	0.372	
Total Xylenes*	<0.150	0.150	05/23/2017	ND	5.44	90.7	6.00	0.522	
Total BTEX	<0.300	0.300	05/23/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 72-148							
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	05/22/2017	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	05/22/2017	ND	186	93.0	200	5.75	
DRO >C10-C28	<10.0	10.0	05/22/2017	ND	193	96.4	200	7.87	
EXT DRO >C28-C36	<10.0	10.0	05/22/2017	ND					
Surrogate: 1-Chlorooctane	89.6	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	91.2	% 34.7-15	7						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

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

#### Cardinal Laboratories

#### \*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 12 of 13

(505) 393-2326 Fax (505) 393-2476	Safety & Environmental Solutions. Inc Management Apple Provide Street Solutions Street Solutions	Boh Allen ANALYSIS ANALYSIS	ess: 703 East Clinton Germany:	Delivered By:     (Circle One)     4:50     Illudical       Sampler - UPS - Bus - Other:     Image: Cool Intact     Cool Intact     Checked By:	Hoths:         State: NM         Zip:         882.40         Atm: KXCP1/T           MSS-16-097-0510         Fax #:         575-392-4388         Address:           me:         MSS-16-075 Frederic Owner:         City:           eadlon:         Sample:         State: NA         Zip:           me:         MVI M AUC Frederic Owner:         City:         State:         Tip:           me:         MVI M AUC Frederic Owner:         Presserv         State:         Tip:           me:         MVI M AUC Frederic Owner:         Presserv         State:         Tip:           me:         MVI M AUC Frederic Owner:         Presserv         Presserv         Presserv         Presserv           state:         Tip:         Presserv         Presserv         Presserv         Presserv           state:         Tip:         Presserv         Presserv         Presserv         Presserv           state:         Tip:         Presserv         Presserv         Presserv         Presserv         Presserv           state:         Tip:         Presserv         Presserv         Presserv         Presserv           state:         Tip:         Presserv         Presserv         Presserv         Presserv
ess: 703 East Clinton Gombany: Safety & Environmental Ŝolutions, Inc. Page / ANALYSIS REQUEST	ess: 703 East Clinton P.O. #: ANALYSIS	ess: 703 East Clinton Gombany: -Same	U BUILLO	187:       5/15-397-0510       Fax #:       575-392-4388       Address:         Name:       Name:       City:       Signor       City:         Name:       Name:       City:       Signor       City:         Inne:       Name:       City:       Signor       Signor       Signor         I.D.       Sample I.D.       Sample I.D.       Bit RESERV       Signor       Signor         I.D.       Sample I.D.       Bit RESERV       Signor       Signor       Signor         I.D.       Sample I.D.       Bit RESERV       Signor       Signor       Signor       Signor         I.D.       Sample Contransition       Signor	Hohbs State: NM Zip: 88240 Attr: X Coil
Page /       Page /         t Manager:       Boh Allen       ANALVSIS       REQUEST         s:       703 East Clinton       Pio. #:       ANALVSIS       REQUEST         Hobbs       State; NM       Zip:       88240       Attr:       RX control       15	Imanager:     Boh Allen     ANALYSIS       ss:     703 East Clinton     P.O. #     ANALYSIS       Hohbs     State; NM Zip: 88240     Attn: IX Con / JS     ANALYSIS	In the state: NM Zip: 88240 Attn: RX Cold Jack	Hohhs State; NM Zip: 88240 Attr: XX (7)	Item     City:     City:       Internet     Filling:     State:       Internet     State:     State:       Internet     <	#: 575-397-0510 Fax #: 575-393-4388 Address:
Page /     Page /       t Manager:     Bh Allen       t Manager:     Bh Allen       s:     703 East Clinton       Hohbs     State; NM Zip: 88240       #:     575-397-0510       Fax #:     575-393-4388	Imanager:         Boh Allen         ANALYSIS           is:         703 East Clinton         P.0. #:         ANALYSIS           Hohbs         State: NMI Zip: 88240         Gompany: -Same         ANALYSIS           #:         575-397-0510         Fax #:         575-393-4388         Address:	s:         703 East Clinton         Five #           Hobbs         State; NM Zip: 88240         Gompany: -Same           #:         575-397-0510         Fax #:         575-393-4388           Address:         Address:	Hohbs         State: NM         Zip:         88240         State: NM         Attn:         K<         T           #:         575-397-0510         Fax #:         575-393-4388         Address:         Address:	IMme:         Sample I.D.         Sample I.D.         Sample I.D.         Prome #: Prome	INN-16-DOS Project Owner:
Page         Page <th< td=""><th>Imanager:         Boh Allen         ANALYSIS           ss:         703 East Clinton         内心.#:         ANALYSIS           Hohbs         State; NM Zip: 88240         Gompany: -Same         ANALYSIS           #:         575-397-0510 Fax #: 575-393-4388         Address:         Address:</th><td>Size 103 East Clinton       Figure 100 East Clinton       Hobbs State: NM Zip: 88240       Attn: 次アン: **       #:     575-397-0510 Fax #: 575-393-4388       #:     アメントレーン       #:     アメントレーン</td><td>Hohbs         State: NM         Zip:         88240         State: NM         Zip:         88240         Attn:         KX501/5           #:         \$75-397-0510         Fax #:         \$75-393-4388         Address:         Address:           #:         \$X50-16-000         Protect Owner:         Address:         Address:</td><td>Liceation:     State:     Zip:       If Mane:     WWV B ADJA     Pinne #:       Indiana     Bample I.D.     MATRIX     PRESERV PRESERV     SMR12/16       I.D.     Bample I.D.     MATRIX     PRESERV PRESERV     SMR12/16       I.D.     Bample I.D.     Repair Mathematication of the state of the s</td><td>City:</td></th<>	Imanager:         Boh Allen         ANALYSIS           ss:         703 East Clinton         内心.#:         ANALYSIS           Hohbs         State; NM Zip: 88240         Gompany: -Same         ANALYSIS           #:         575-397-0510 Fax #: 575-393-4388         Address:         Address:	Size 103 East Clinton       Figure 100 East Clinton       Hobbs State: NM Zip: 88240       Attn: 次アン: **       #:     575-397-0510 Fax #: 575-393-4388       #:     アメントレーン	Hohbs         State: NM         Zip:         88240         State: NM         Zip:         88240         Attn:         KX501/5           #:         \$75-397-0510         Fax #:         \$75-393-4388         Address:         Address:           #:         \$X50-16-000         Protect Owner:         Address:         Address:	Liceation:     State:     Zip:       If Mane:     WWV B ADJA     Pinne #:       Indiana     Bample I.D.     MATRIX     PRESERV PRESERV     SMR12/16       I.D.     Bample I.D.     MATRIX     PRESERV PRESERV     SMR12/16       I.D.     Bample I.D.     Repair Mathematication of the state of the s	City:
Page /       Page /         Imager:       Boh Allen       Page /         rolling       703 East Clinton       Politic       Politic         Hohbs       State; NM       Zip: 88240       Attn: RXS-1/5       ANALVSIS REQUEST         #:       575-397-0510       Fax #; 575-393-4388       Address:       Address:         #:       RXS-1/6-DOS Project Owner:       City;       D       D         Name:       Name:       City;       D       D	Imanager:         Boh Allen         ANALYSIS           3::         703 East Clinton         50, #:         ANALYSIS           Hohbs         State: NM Zip: 88240         Gompany: -Same         ANALYSIS           #:         575-397-0510 Fax #: 575-393-4388         Address:         Address:           #:         RXS-16-DOS Project Owner:         City:         B	Instruction         Figure           Hohhs         State; NM         Zip: 88240         Gompany: -Same           #:         575-397-0510         Fax #:         575-393-4388         Attra: IXX501/5           #:         IXX501/6-DOS Project Owner:         City:         City:         S	Hohhs         State; NM         Zip:         88240         State; NM         State; NM </td <td>Indiane:       WWT &amp; WOT &amp; WOT &amp; WOT &amp; WOT &amp; Press         Indiane:       Sample I.D.       Fig. #:         Indiane:       Barnol I.D.       Press         Indiane:       Sample I.D.       Press         Indiane:       Barnol I.D.       Press         Indiane:       Barnol I.D.       Press         Indiane:       Barnol I.D.       Press         Indiane:       Barnol I.D.       Barnol I.D.         Indiane:       Barnol I.D.       Barnol I.D.       Barnol I.D.         Indiane:       Barnol I.D.       Barnol I.D.       Barnol I.D.       Barnol I.D.         Indiane:       Barnol I.D.       Barnol I.D.       Barnol I.D.       Barnol I.D.       Barnol I.D.         Indiane:       Barnol I.D.       Barnol I.D.       Barnol I.D.       Barnol I.D.       Barnol I.D.         Indiane:       Barnol I.D.       Barnol I.D.       Barnol I.D.       Barnol I.D.       Barnol I.D.         Indiane:       Barnol I.D.       Barnol I.D.       Barnol I.D.       Barnol I.D.       Barnol I.D.         Indiane:       Barnol I.D.       Barnol I.D.</td> <td>State: Zip:</td>	Indiane:       WWT & WOT & WOT & WOT & WOT & Press         Indiane:       Sample I.D.       Fig. #:         Indiane:       Barnol I.D.       Press         Indiane:       Sample I.D.       Press         Indiane:       Barnol I.D.       Press         Indiane:       Barnol I.D.       Press         Indiane:       Barnol I.D.       Press         Indiane:       Barnol I.D.       Barnol I.D.         Indiane:       Barnol I.D.       Barnol I.D.       Barnol I.D.         Indiane:       Barnol I.D.       Barnol I.D.       Barnol I.D.       Barnol I.D.         Indiane:       Barnol I.D.       Barnol I.D.       Barnol I.D.       Barnol I.D.       Barnol I.D.         Indiane:       Barnol I.D.       Barnol I.D.       Barnol I.D.       Barnol I.D.       Barnol I.D.         Indiane:       Barnol I.D.       Barnol I.D.       Barnol I.D.       Barnol I.D.       Barnol I.D.         Indiane:       Barnol I.D.       Barnol I.D.       Barnol I.D.       Barnol I.D.       Barnol I.D.         Indiane:       Barnol I.D.	State: Zip:
Page /       Page /         t Manager:       Boh Allen       Page /         t Manager:       Boh Allen       Page /         ss:       703 East Clinton       Pib. #:         Hohhs       State; NM Zip: 88240       State; V/Sis REQUEST         #:       575-397-0510 Fax #: 575-393-4388       Address:         #:       RXS-16-DOS Project Owner:       City;         Name:       State; Zip:       State; Zip:	Imanager:         Boh Allen         ANALYSIS           ss:         703 East Clinton         5/5, #:         ANALYSIS           Hohhs         State; NM Zip: 88240         Gompany: -Same         ANALYSIS           #:         575-397-0510         Fax #: 575-393-4388         Address:         Address:           #:         RXS-16-DOS         Froject Owner:         City:         State:         Zip:	Is:         703 East Clinton         Fire           Hohhs         State; NM Zip: 88240         Gompany: Same           #:         575-397-0510         Fax #: 575-393-4388         Attn: RXS / / / /           #:         RXS / /S / / / // //         575-393-4388         Address:           #:         RXS / // / / //         State:         City:           Mame:         State:         State:         Zip:	Hohhs         State; NM         Zip:         88240         State; NM         State; NM </td <td>End of the second seco</td> <td>Phone #:</td>	End of the second seco	Phone #:
Page         Page <th< td=""><th>Imanager:         Boh Allen         Project Owner:         Project Owner:         Project Owner #:         ANALYSIS           Image:         Im</th><td>Is:         T03 East Clinton         Figure           Hobbs         State; NM Zip: 88240         Goinpany: Same           #:         575-397-0510         Fax #: 575-393-4388         Address:           #:         RXS-16-DOS Project Owner:         City: #:         City:           Name:         Location:         State:         Zip:</td><td>Hohhs         State; NM         Zip:         88240         State; NM         Zip:         88240         Attr:         K         S         I         S         I         S         T         T</td><td>I.D.     Sample I.D.     MATRIX     PRESERV     SAMPLING       I.D.     Bample I.D.     GOV     PRESERV     SAMPLING       I.D.     IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII</td><td>FORVE ONOVER Fax #</td></th<>	Imanager:         Boh Allen         Project Owner:         Project Owner:         Project Owner #:         ANALYSIS           Image:         Im	Is:         T03 East Clinton         Figure           Hobbs         State; NM Zip: 88240         Goinpany: Same           #:         575-397-0510         Fax #: 575-393-4388         Address:           #:         RXS-16-DOS Project Owner:         City: #:         City:           Name:         Location:         State:         Zip:	Hohhs         State; NM         Zip:         88240         State; NM         Zip:         88240         Attr:         K         S         I         S         I         S         T         T	I.D.     Sample I.D.     MATRIX     PRESERV     SAMPLING       I.D.     Bample I.D.     GOV     PRESERV     SAMPLING       I.D.     IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	FORVE ONOVER Fax #
Page /       tManager:     Boh Allen       Safety & Environmental Solutions, Inc.     Page /       tManager:     Bh Allen       Safety & Environmental Solutions, Inc.     Page /       tManager:     Bh Allen       Safety & Environmental Solutions, Inc.     Page /       Hohhs     State; NM Zip: 88240       Address:     Address:       #     Phone #:       Name:     Safety & Phone #:	Imanager:         Boh Allen         Project Owner:         Project Owner:         Project Owner:         Project Owner:         Project Owner:         ANALYSIS           Mame:         Image:	Is:         T03 East Clinton         Five #           Hohhs         State; NM Zip: 88240         Goinpany: Same           #:         575-397-0510         Fax #: 575-393-4388         Address:           #:         RXS-16-DOS Project Owner:         City: #         City:           Name:         Location:         State:         X         X           Location:         WVI & WOVP A         Phone #:         X         X	Hohhs         State; NM         Zip:         88240         Attr:         KCDITE           #:         575-397-0510         Fax #:         575-393-4388         Address:           #:         RXS-16-DOSProject Owner:         Address:         Address:           #:         Name:         State:         Zip:           Location:         VI & WOVA A         Phone #:	I.D.       Sample I.D.       Provide	C MATRIX PRESERV SAMPLING
Page	Invanager:     Boh Allen     ANALYSIS       ss:     703 East Clinton     50, #:     57.5.397-0510     State: NM     Zip: 88240     Attra: RX50 / 5       #:     575-397-0510     Fax #:     575-393-4388     Address:     Address:       #:     RX5-16-DOS Project Owner:     City:     State:     Zip:       Location:     Name:     State:     Zip:       Location:     NAVE ALCOR     Phone #:     Zip:       Matrix     PRESErivi Sampling     Sign #:	Is:         T03 East Clinton         Five #           Hohhs         State: NM         Zip: 88240         Gompany: Same           #:         575-397-0510         Fax #:         575-393-4388         Address:           #:         RXS-16-DOS Project Owner:         City:         City:           Name:         Location:         State:         XS           Location:         WAVE         Matrix         Phone #:           Finine:         WAVE         Matrix         PRESERV         SAMPLING	Hohbs         State; NM         Zip:         88240         Attn:         KX575-397-0510         Fax #:         575-397-0510         Fax #:         575-393-4388         Address;           #:         RX5-16-DOS         Project Owner:         City:         City:         Image: City:         City:         State:         Zip:         City:         State:         Zip:         State:         Zip:         State:         Zip:         City:         State:         Zip:         State: <td< td=""><td>I.D.       Sample I.D.       C. ()         I.D.       Sample I.D.       C. ()       C. ()         I.D.       Sample I.D.       C. ()       C. ()       C. ()         I.D.       Sample I.D.       C. ()       C. ()       C. ()       C. ()         I.D.       Sample I.D.       Sample I.D.       C. ()       C. ()       C. ()       C. ()</td><td>3 R U</td></td<>	I.D.       Sample I.D.       C. ()         I.D.       Sample I.D.       C. ()       C. ()         I.D.       Sample I.D.       C. ()       C. ()       C. ()         I.D.       Sample I.D.       C. ()       C. ()       C. ()       C. ()         I.D.       Sample I.D.       Sample I.D.       C. ()       C. ()       C. ()       C. ()	3 R U
Page	Imanager:         Boh Allen         ANALYSIS           ss:         703 East Clinton         50, #:         50, #:         50, #:         50, #:         51, 51, 51, 51, 51, 51, 51, 51, 51, 51,	Is:     T03 East Clinton     Five #       Hohhs     State: NM     Zip: 88240     Attr: RX5-1/5       #:     575-397-0510     Fax #:     575-393-4388     Address:       #:     RX5-16-DOS Project Owner:     City:     City:       Name:     Location:     State: NW B     State: Zip:       Location:     NW B     NGCA     Phone #:       rName:     MATRIX     PRESERV     SAMPLING       Sconv     State:     Zip:	Hohbs         State; NM         Zip:         88240         Attn:         KX 575-397-0510         Fax #:         575-397-0510         Fax #:         575-393-4388         Address:           #:         RX5-16-DOS         Project Owner:         City:         City:         City:           Name:         Location:         VIB         MOVER         State:         Zip:           Location:         VIB         MOVER         Phone #:         Fay #:           Image:         VIB         MOVER         Phone #:         Fay #:	2       0	Sample I.D. INERS WATER
Image: Boh Allen       Solutions, Inc.       Page /         t Manage: Boh Allen       Roh Allen       Roh Allen         s:       703 East Clinton       Roh Allen         Hohbs       State: NM. Zip: 88240       Ath: RX (7) / 7         #:       575-397-0510 Fax #: 575-393-4388       Address:         #:       700 Froject Owner:       City:         Name:       State: NM Zip: 88240       Ath: RX (7) / 7         Mame:       Location:       State: The Roy of the Regulation of the Regul	Invanager:         Boh Allen         Providence         Providen	Instruction     Figure       Hobbs     State: NM       State: NM     Zip: 88240       #:     575-397-0510       Froject Owner:     State:       Name:     State:       Location:     Froject Owner:       Location:     State:       I.D.     Sample I.D.       Barnel I.D.     Sample I.D.	Hohbs       State; NM       Zip:       88240       Attn:       Comme         #:       575-397-0510       Fax #:       575-393-4388       Address:         #:       RX5-16-DO5       Project Owner:       City:       City:         Location:       VI       North Race       State:       Zip:         Location:       VI       North Race       Phone #:       Figure         I.D.       Sample I.D.       OR       MATRIX       PRESERV       SAMPLING         VATER       I.D.       Norther       City:       Samplu I.D.       Norther         LD.       Sample I.D.       Norther       PRESERV       Samplu I.D.       Norther         VATER       III       IIII       IIII       IIIIII       IIIIIIIIII	2       0	B)RAB CONTA ROUNI ASTEV DIL L UDGE HER : DID/BAS E/COOL HER :
Analysis     Safety & Environmental Solutions, Inc.     Page /       It Manager:     Boh Allen     Roh Allen     Roh Allen       Is:     703 East Clinton     Roh Allen     Roh Allen       Is:     575-397-0510     Fax #:     575-393-4388     Address:       #     RXS-1/S-DOS Project Owner:     City:     Rohne #:     Rohne #:       Name:     Name:     Rohne #:     Rohne #:     Rohne #:       Name:     NALVSIS REQUEST     Rohne #:     Rohne #:     Rohne #:       Name:     Rohne #:     Rohne #:     Rohne #:     Rohne #:       Name:     Rohne #:     Rohne #:     Rohne #:     Rohne #:       Name:     Rohne #:     Rohne #:     Rohne #:     Rohne #:       Name:     Rohne #:     Rohne #:     Rohne #:     Rohne #:       Name:     Rohne #:     Rohne #:     Rohne #:     Rohne #:       Name:     Rohne #:     Rohne #:     Rohne #:     Rohne #:       Rohne:     Rohne:     Rohne:     Rohne:     Rohne:       Rohne:     Rohne	Invariager:     Boh Allen     Pione       is:     703 East Clinton     Pione       Hohhs     State:     NM       Hohhs     State:     NM       #:     575-397-0510     Fax#:     575-393-4388       #:     575-397-0510     Fax#:     575-393-4388       #:     575-397-0510     Fax#:     575-393-4388       #:     Choner:     City:       Name:     Non-Do-Do-Do-Do-Do-Do-Do-Do-Do-Do-Do-Do-Do-	I.D. Sample I.D. S	Hohbs         State; NM         Zip:         88240         Attn:         KX         Conne           #:         575-397-0510         Fax #:         575-393-4388         Address:         Address:           #:         RXS-16-DOS Project Owner:         ON Project Owner:         City:         Location:         Location:         Location:         State:         Zip:           Location:         WWVI B         NOV P         MATRIX         Phone #:         Zip:           I.D.         Sample I.D.         ONTAINERS         MATRIX         PRESERV         Samplu B           I.D.         Sample I.D.         I.D.         PRAB OR, (C)OMP.         Samplu B         Phone #:           I.D.         Sample I.D.         ON P.         MATRIX         PRESERV         Samplu B           I.D.         BRASE         I.L.         DE         Phone #:         I.L.           I.D.         ON P.         ON P.         Samplu B         PRESERV         Samplu B           I.D.         RAB OR, (C) OMP.         BRASE         Phone #:         Phone #:           I.D.         RAB OR, (C) OMP.         Samplu B         Phone #:         Phone #:           I.D.         RAB OR         Samplu B         Phone #: <td< td=""><td>2       0</td><td>I PH-7 S G &amp; G S O OLL TH DATE</td></td<>	2       0	I PH-7 S G & G S O OLL TH DATE
Any value:     Safety & Environmental Solutions, Inc.     Pope     Page	Inwanager     Bnh Allen     Allen     ANALYSIS       is:     703 East Clinton     State: NM     Zip:     State: NM     Zip:       Hohbs     State: NM     Zip:     88240     Attn:     State:     N       #:     575-397-0510     Fax #:     575-393-4388     Address:     State:     I     State:       #:     NXS     IC>DOS Project Owner:     City:     State:     Zip:     State:     Zip:       Location:     Location:     State:     State:     Zip:     State:     Zip:       I.D.     Sample I.D.     GROUNDWATER     MATRIX     Fax #:     State:     Zip:       I.D.     Sample I.D.     GROUNDWATER     Phone #:     Zip:     State:     Zip:       I.D.     Sample I.D.     GROUNDWATER     Fax #:     State:     Zip:       I.D.     Sample I.D.     Fax #:     State:     Zip:     Zip:       I.D.     Sample I.D.     GROUNDWATER     Fax #:     State:     Zip:       I.D.     Sample I.D.     Fax #:     State:     Zip:     Zip:       I.D.     Sample I.D.     Fax #:     State:     Zip:     Zip:       I.D.     Sample I.D.     State:     State:     Zip:     Zip:   <	ID. Sample I.D. Sa	Hohbs       State; NM       Zip:       88240       Attn:       KX       Conne         #:       575-397-0510       Fax #:       575-393-4388       Address:       Address:         #:       RX5-16-DOS Project Owner:       Cip:       City:       City:       City:         Location:               Location:               Location:               Location:               Location:               I.D.       Sample I.D.              Solution:               I.D.       Sample I.D.              Solution:               I.D.           .	3       1	51/1 × × × × × × × × × × × × × × × × × ×
$ \begin{array}{c c c c c c c c c c c c c c c c c c c $	INMANAGET: Boh Allen IS: 703 East Clinton Hobbs State: NM Zip: 88240 Hobbs State: NM Zip: 88240 Solution: Location:	I.D. Sample I.D. S	Hobbs     State: NM     Zip:     88240     Attn:     State:     N       #:     575-397-0510     Fax #:     575-393-4388     Address:       #:     RXS-16-DOS Project Owner:     City:     City:       Location:     Location:     Sample I.D.     Sample I.D.       I.D.     Sample I.D.     GROUNDWATER     Phone #:       I.D.     Sample I.D.     City:     Sample I.D.       I.D.     Sample I.D.     Fax #:     Signet in the state in the st	1       1	3 15 11 11 11 11 11 11 11 11
Proge	Invanager: Boh Allen Is: 703 East Clinton Hobbs State: NM Zip: 88240 Hobbs State: NM Zip: 88240 Attn: KXC 16-DOS Project Owner: Location: Location: I.D. Sample I.D. I.D. Sample I.D. Sample I.D. I.D. Sample I.D. I.D. Sample I.D. Sample I.D. I.D. Sample I.D. Sa	ID. Sample I.D. Sa	Hobbs     State: NM     Zip:     88240     Attn:     KX     Former       #:     575-397-0510     Fax #:     575-393-4388     Address:       #:     RX     -16     O     Project Owner:     City:       Manne:     Location:     VI     VI     VI     Sample I.D.       I.D.     Sample I.D.     GROUNDWATER     MATRIX     Phane #:       I.D.     Sample I.D.     City:     State:     Zip:       I.D.     Sample I.D.     GROUNDWATER     Phone #:     Sample I.D.       I.D.     Sample I.D.     City:     Phane #:     Sample I.D.       I.D.     Sample I.D.     City:     Sample I.D.     Phane #:       I.D.     GROUNDWATER     Phane #:     Sample I.D.     Phane #:       I.D.     Sample I.D.     City:     Sample I.D.     Sample I.D.       I.D.     GROUNDWATER     DATE     Time       I.D.     Sample I.D.     City:     Sample I.D.     Sample I.D.       I.D.     Sample I.D.     City:     Sample I.D.     Sample I.D.       I.D.     GROUNDWATER     Fax: I.S.     Sample I.D.     Sample I.D.       I.D.     Sample I.D.     Sample I.D.     Sample I.D.     Sample I.D.       I.D.	Image: Solution of the solution	
Page	Innanager     Bnh Allen     Houns     State Clinton     FO, #.       Houns     State: NM     Zip: 88240     Atta: RXY: Same       Houns     575-397-0510     Fax #.     575-393-4388     Address:       #RXS-16-DOS Project Owner:     Cipii any: Same     City:     Sample I.D.       Location:     For an and the same     Sample I.D.     Sample I.D.     Sample I.D.       Location:     For an and the same     Sample I.D.     Sample I.D.     Sample I.D.       Sample I.D.     GROUNDWATER     Sample I.D.     Sample I.D.     Sample I.D.       Sample I.D.     GROUNDWATER     Sample I.D.     Sample I.D.     Sample I.D.       Sample I.D.     GROUNDWATER     Sample I.D.     Sample I.D.     Sample I.D.       Sample I.D.     GROUNDWATER     Sample I.D.     Sample I.D.     Sample I.D.       J.S.     J	ID. Sample I.D. Sa	Hobbs     state; NM     Zip:     88240     Ath:     Scientific       #     F75-397-0510     Fax #:     575-393-4388     Address:       #     RXS-1/S-DOS     Frolect Owner:     City:     City:       Location:     Location:     Sample I.D.     Sample I.D.     Sample I.D.       I.D.     Sample I.D.     City:     Sample I.D.     Fax #:       I.D.     Sample I.D.     City:     Sample I.D.     Sample I.D.       I.D.     Sample I.D.     Sample I.D.     Sample I.D.     Sample I.D.       I.D.     Sample I.D.     Sample I.D.     Sample I.D.     Sample I.D. </td <td>2       3       3       4</td> <td>2 124-7 32 111 111 120 11 11 120 11 11 11 120 11 11 11 11 11 11 11 11 11 11 11 11 11</td>	2       3       3       4	2 124-7 32 111 111 120 11 11 120 11 11 11 120 11 11 11 11 11 11 11 11 11 11 11 11 11
Manager         Safety & Environmental Solutions. Inc.         Billing         All Inc.         Page         Page         AnALVSIS         REQUEST           is:         703         East Clinton         Bibling:	Innanager:       Boh Allen       Fig.#         103 East Clinton       Stete: NM Zip: 88240       Athen Karne         Hohhs       Stete: NM Zip: 88240       Athen Karne         Hohhs       Stete: NM Zip: 88240       Athen Karne         #       575-397-0510       Fax #: 575-393-4388       Address:         #       Marrie:       Stete: NM Zip: 88240       Athen Karne         Location:       Location:       Stete: NM Zip: 88240       Athen Karne         Iname:       WWV Grapher:       Stete: Zip:       Stete: Zip:         Location:       Grapher:       Stete: Zip:       Stete: Zip:         Iname:       WWV Grapher:       Stete: Zip:       Stete: Zip:         Name:       WWV Grapher:       Stete: Zip:       Stete: Zip:         Name:       Stete:       Stete: Zip:       Stete: Zip:         Iname:       WWV Grapher:       Stete:       Stete: Zip:         Seconv       Grapher:       Stete:       Stete:       Stete:         Seconv       Grapher:       Stete:       Stete:       Stete:       Stete:         Seconv       Grapher:       Stete:       Stete:       Stete:       Stete:       Stete:         Seconv       Grapher <td< th=""><td>Instruction     State:     NM     Zip:     State:       Hothbs     State:     State:     NM     Zip:       Hothbs     State:     State:     NM     Zip:       Hothbs     State:     State:     State:     Zip:       Location:     Hothbs     State:     Zip:       Location:     HOT     Hotes:     Zip:       Location:     HOT     Hotes:     Zip:       Location:     HOT     Hotes:     Zip:       Location:     Hotes:     Siste:     Zip:       Location:     Hotes:     Siste:     Zip:       Location:     Hotes:     Siste:     Zip:       Location:     Hotes:     Siste:     Zip:       Location:     Sample LD.     Fax #:     Siste:       Sample LD.     GROUNDWATER     Phone #:     Tip:       Solution:     Solution:     Solution:     Siste:       J.C.     Sample Lib.     Solution:     Siste:       J.C.     Sample:     Siste:     Siste:</td><td>Hobbs       State: NM       Zip: <math>88240</math>       Attn: <math>KX &gt; 1/5</math>         #:       575-397-0510       Fax #:       575-393-4388       Address:         #:       <math>KX &gt; 1/5</math> <math>OSProject Owner:</math>       City:       City:         Name:       <math>KX &gt; 1/5</math> <math>OSProject Owner:</math>       City:       City:         Location:       <math>KX &gt; 1/5</math> <math>Address:</math> <math>I/5</math>         I.D.       Sample I.D.       <math>Sample I.D.</math> <math>R(G) APP</math>       Phone #:         I.D.       Sample I.D.       <math>R(G) APP</math>       Pheservice       <math>Sample I.D.</math>         Sample I.D.       <math>GROUNDWATER</math> <math>Pheservice       <math>Sample I.D.</math> <math>Phone #:</math>         I.D.       <math>Sample I.D.</math> <math>R(G) APP</math> <math>Pheservice       <math>Sample I.D.</math>         Sample I.D.       <math>GROUNDWATER</math> <math>Pheservice       <math>Sample I.D.</math> <math>Phone #:</math>         I.D.       <math>Sample I.D.</math> <math>R(G) APP</math> <math>Pax #:</math> <math>Solid       <math>Solid  </math></math></math></math></math></math></math></math></math></math></math></math></math></math></math></math></math></math></math></math></math></math></math></math></math></math></td><td>A       A</td><td>7 8-98 200</td></td<>	Instruction     State:     NM     Zip:     State:       Hothbs     State:     State:     NM     Zip:       Hothbs     State:     State:     NM     Zip:       Hothbs     State:     State:     State:     Zip:       Location:     Hothbs     State:     Zip:       Location:     HOT     Hotes:     Zip:       Location:     HOT     Hotes:     Zip:       Location:     HOT     Hotes:     Zip:       Location:     Hotes:     Siste:     Zip:       Location:     Hotes:     Siste:     Zip:       Location:     Hotes:     Siste:     Zip:       Location:     Hotes:     Siste:     Zip:       Location:     Sample LD.     Fax #:     Siste:       Sample LD.     GROUNDWATER     Phone #:     Tip:       Solution:     Solution:     Solution:     Siste:       J.C.     Sample Lib.     Solution:     Siste:       J.C.     Sample:     Siste:     Siste:	Hobbs       State: NM       Zip: $88240$ Attn: $KX > 1/5$ #:       575-397-0510       Fax #:       575-393-4388       Address:         #: $KX > 1/5$ $OSProject Owner:$ City:       City:         Name: $KX > 1/5$ $OSProject Owner:$ City:       City:         Location: $KX > 1/5$ $Address:$ $I/5$ I.D.       Sample I.D. $Sample I.D.$ $R(G) APP$ Phone #:         I.D.       Sample I.D. $R(G) APP$ Pheservice $Sample I.D.$ Sample I.D. $GROUNDWATER$ $Pheservice       Sample I.D. Phone #:         I.D.       Sample I.D. R(G) APP Pheservice       Sample I.D.         Sample I.D.       GROUNDWATER Pheservice       Sample I.D. Phone #:         I.D.       Sample I.D. R(G) APP Pax #: Solid       Solid  $	A       A	7 8-98 200
Manager     Safety & Environmental Solutions, Inc.     Bitterro       Manager     Boh Allen     Pio       is     T03 East Clinton     Pio       Hoths     stee: NM     Zip: 88240     Gippingv: Same       Hoths     Stee: NM     Zip: 88240     Attributy: Same       Hoths     Folectowner:     City:     Signes: Zip:       Loadion:     Loadion:     Fax #:     Zip:       Loadion:     Grave Marter     Phone #:     Phone #:       Itimine:     WVT & NOVATER     Phone #:     UX       Sample I.D.     Grave Divater     Signes Boil     Zip: Signes Boil       J.D.     Sample I.D.     Grave Divater     Signes Boil     Zip: Signes Boil       J.D.     Sample I.D.     Grave Divater     Signes Boil     Zip: Signes Boil       J.D.     Grave Divater     Signes Boil     Zip: Signes Boil     Zip: Signes Boil       J.D.     Sample I.D.     Grave Boil     Signes Boil     Zip: Signes Boil       J.D. <td< td=""><th>Invanager:     Enh Allen     Pio.#:       103 East Clinton     State: NM 21p: 88240     Atm: XX (D 1 / 5       #10bhs     State: NM 21p: 88240     Atm: XX (D 1 / 5       #105 575-397-0510     Fax #: 575-393-4388     Address:       #105 500     For #: 575-393-4388     For #: 575-393-4388       #105 500     For #: 575-393-4388     For #: 575-393-438</th><td>Instruction     To 3 East Clinton     Compliant:     Seame       Hobbs     Stale:     NM     Zip:     88240     Attrack       Hobbs     575-397-0510     Fax #:     575-393-4388     Address:       #     Froject Owner:     Stale:     NM     Zip:       Name:     Location:     Stale:     Cip:       Location:     Location:     Stale:     Zip:       Location:     Froject Owner:     Stale:     Zip:       Location:     Location:     Stale:     Zip:       Location:     Froject Owner:     Stale:     Zip:       Location:     GROUNDWATER     Phone #:     Tip:       BROW     GROUNDWATER     Phone #:     Stale:       Sample I.D.     GROUNDWATER     Phone #:     Stale:       BLUDGE     GROUNDWATER     Phone #:     Stale:       Sample I.D.     GROUNDWATER     Stale:     DATE       J.D.     Sample I.D.     GROUNDWATER     Stale:       J.D.     Sample I.D.     GROUNDWATER     Stale:       J.D.     Sample I.D.     GROUNDWATER     Stale:       J.D.     Stale:     J.D.     Stale:       J.D.     GROUNDWATER     J.D.     J.D.       J.D.     Stale:     <td< td=""><td>Hohhs     State: NM     Zip:     88240     Attn: RX     Sommary       #     575-397-0510     Fax #:     575-393-4388     Address:       #     RX     16-DOS Project Owner:     City:     City:       Name:     Normality     City:     Signal       I.D.     Sample I.D.     Restrict     Fax #:     Fax #:       Sample I.D.     Sample I.D.     Sample I.D.     Phone #:       I.D.     Sample I.D.     GROUNDWATER     MATRIX       Sample I.D.     GROUNDWATER     PRESERV     Samplut       VASTEWATER     Sould     Sould     Samplut       Sample I.D.     RCUNDWATER     PRESERV     Samplut       VASTEWATER     MATER     NATE     TIME       Sould     Sould     Sould     Sould     Sould       Sample I.D.     RCUNDWATER     PRESERV     Samplut       Sould     Sould     Sould     Sould     Sould       Sould     Sould     Sould     Sould     Sould     Sould       Sould     Sould     Sould     Sould     Sould     Sould       Sould     Sould     Sould     Sould     Sould     Sould</td><td>1: Likitiy and Dahilight Could alle back for a character scale aller for a character scale aller for incident all aller for incident all aller for incident all and the formation of the application of the applic</td><td>8 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td></td<></td></td<>	Invanager:     Enh Allen     Pio.#:       103 East Clinton     State: NM 21p: 88240     Atm: XX (D 1 / 5       #10bhs     State: NM 21p: 88240     Atm: XX (D 1 / 5       #105 575-397-0510     Fax #: 575-393-4388     Address:       #105 500     For #: 575-393-4388     For #: 575-393-4388       #105 500     For #: 575-393-4388     For #: 575-393-438	Instruction     To 3 East Clinton     Compliant:     Seame       Hobbs     Stale:     NM     Zip:     88240     Attrack       Hobbs     575-397-0510     Fax #:     575-393-4388     Address:       #     Froject Owner:     Stale:     NM     Zip:       Name:     Location:     Stale:     Cip:       Location:     Location:     Stale:     Zip:       Location:     Froject Owner:     Stale:     Zip:       Location:     Location:     Stale:     Zip:       Location:     Froject Owner:     Stale:     Zip:       Location:     GROUNDWATER     Phone #:     Tip:       BROW     GROUNDWATER     Phone #:     Stale:       Sample I.D.     GROUNDWATER     Phone #:     Stale:       BLUDGE     GROUNDWATER     Phone #:     Stale:       Sample I.D.     GROUNDWATER     Stale:     DATE       J.D.     Sample I.D.     GROUNDWATER     Stale:       J.D.     Sample I.D.     GROUNDWATER     Stale:       J.D.     Sample I.D.     GROUNDWATER     Stale:       J.D.     Stale:     J.D.     Stale:       J.D.     GROUNDWATER     J.D.     J.D.       J.D.     Stale: <td< td=""><td>Hohhs     State: NM     Zip:     88240     Attn: RX     Sommary       #     575-397-0510     Fax #:     575-393-4388     Address:       #     RX     16-DOS Project Owner:     City:     City:       Name:     Normality     City:     Signal       I.D.     Sample I.D.     Restrict     Fax #:     Fax #:       Sample I.D.     Sample I.D.     Sample I.D.     Phone #:       I.D.     Sample I.D.     GROUNDWATER     MATRIX       Sample I.D.     GROUNDWATER     PRESERV     Samplut       VASTEWATER     Sould     Sould     Samplut       Sample I.D.     RCUNDWATER     PRESERV     Samplut       VASTEWATER     MATER     NATE     TIME       Sould     Sould     Sould     Sould     Sould       Sample I.D.     RCUNDWATER     PRESERV     Samplut       Sould     Sould     Sould     Sould     Sould       Sould     Sould     Sould     Sould     Sould     Sould       Sould     Sould     Sould     Sould     Sould     Sould       Sould     Sould     Sould     Sould     Sould     Sould</td><td>1: Likitiy and Dahilight Could alle back for a character scale aller for a character scale aller for incident all aller for incident all aller for incident all and the formation of the application of the applic</td><td>8 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1</td></td<>	Hohhs     State: NM     Zip:     88240     Attn: RX     Sommary       #     575-397-0510     Fax #:     575-393-4388     Address:       #     RX     16-DOS Project Owner:     City:     City:       Name:     Normality     City:     Signal       I.D.     Sample I.D.     Restrict     Fax #:     Fax #:       Sample I.D.     Sample I.D.     Sample I.D.     Phone #:       I.D.     Sample I.D.     GROUNDWATER     MATRIX       Sample I.D.     GROUNDWATER     PRESERV     Samplut       VASTEWATER     Sould     Sould     Samplut       Sample I.D.     RCUNDWATER     PRESERV     Samplut       VASTEWATER     MATER     NATE     TIME       Sould     Sould     Sould     Sould     Sould       Sample I.D.     RCUNDWATER     PRESERV     Samplut       Sould     Sould     Sould     Sould     Sould       Sould     Sould     Sould     Sould     Sould     Sould       Sould     Sould     Sould     Sould     Sould     Sould       Sould     Sould     Sould     Sould     Sould     Sould	1: Likitiy and Dahilight Could alle back for a character scale aller for a character scale aller for incident all aller for incident all aller for incident all and the formation of the application of the applic	8 1 9 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Internation     Safety & Environmental Solutions, Inc.     BitLitro       starager     Roh Allen     Plot #       starager     Roh Allen     Plot #       Hohbs     Start Clinton     Plot #       Hohbs     Start Plot Plot Plot Plot Plot Plot Plot Plo	Invaninger:       Boh Allen       Fig. #:       Fig. #:<	ID. Sample I.D. Sample I.D. Sample I.D. Sample I.D. Sample I.D. South All So	Hoths     State:     NM     Zip:     88240     Attn:     KX     Fill       #     FX     575-397-0510     Fax #:     575-393-4388     Address:     Address:       #     FX     -16-DOS Project Owner:     City:     City:     Address:     Zip:       Location:     Location:     Sample 1.D.     Sample 1.D.     Sample 1.D.     Fax #:     Fax #:     Zip:       LD.     Sample 1.D.     GROUNDWATER     MATRIX     PRESERV     Sampluid       2     H-7     S     GROUNDWATER     Fax #:     Sampluid       2     H-7     S     GROUNDWATER     PRESERV     Sampluid       30     J.S     GROUNDWATER     PRESERV     Sampluid       30     J.S     GROUNDWATER     Soll     J.S       30     J.S     GROUNDWATER     J.S     J.S       4     J.S     J.S     J.S     J.S     J.S       4     J.S     J.S     J.S     J.S     J.S       4     J.S     J.S     J.S     J.S     J.S       5     J.S     J.S     J.S     J.S     J.S       4     J.S     J.S     J.S     J.S     J.S       5     J.S     J.S	Integration of the second state of	
Rithmager     Bab     Allen     Pion       st     703     East Clinton     Pion     Pion       st     703     East Clinton     Pion     Pion       Hanbs     State: NM     Zip: 88240     Attention:     State: NM       Hanse:     575-397-0510     Fax#:     575-393-4388     Address:       Name:     575-397-0510     Fax#:     575-393-4388     Address:       Name:     Sample LD     Gippient Owner:     State:     Zip:       Location:     Fax#:     Sample LD     Fax #:     Zip:       Location:     Sample LD.     Fax #:     Zip:       Location:     Gippient Owner:     Pione #:     Zip:       Location:     Gippie	Innanager:     Bnch Allen     Piol.#:     Anthrop No.#:       ss:     703 East Clinton     Same     Same     Same       Horbs     state:     NM     Zip:     88240     Attn:     KX (P) / Y       #:     575-397-0510     Fax #:     575-393-4388     Address:       #:     KX (P) / Y     COS Project Owner:     City:     Signe:     Zip:       Name:     VI / Y     NO / P     Signe:     Zip:     Signe:     Zip:       Leaston:     VI / Y     NO / P     Phone #:     Zip:     Signe:     Zip:       Laston:     VI / Y     NO / P     Phone #:     Phone #:     Signe:     Zip:       Loston:     GROUNDWATER     Phone #:     Signe:     Signe:     Signe:     Signe:       Sample I.D.     Sample I.D.     GROUNDWATER     Phone #:     Signe:	ID Seast Clinton Hobbs Stee: NM Zip: 88240 Attr: KX Sime Hobbs Str5-397-0510 Fax #: 575-393-4388 Address: # RX5-16-DOS Project Owner: Location: Locat	Hoths     State: NM     Zip: 88240     Attn: RXT       #:     575-397-0510     Fax #:     575-393-4388     Attn: RXT       Name:     Location:     Cip:     Sigle:     Zip:       Location:     North     North     Sigle:     Zip:       Second     North     North     Sigle:     Zip:       Location:     Sample I.D.     Sample I.D.     Phone #:     Phone #:       I.D.     Sample I.D.     GROUNDWATER     Phone #:     Phone #:       Scond     GROUNDWATER     Phone #:     Phone #:     Phone #:       I.D.     Sample I.D.     GROUNDWATER     Phone #:     Phone #:       I.D.     Sample I.D.     I.D.     Solution     Phone #:     Phone #:       I.D.     Sample I.D.     I.D.     Solution     Phone #:     Phone #:       I.D.     Sample I.D.     I.D.     I.D.     Phone #:     Phone #:       I.D.     Sample I.D.     I.D.     I.D.     Phone #:     Phone #:       I.D.	ereit koul Crudinij bei liste fer indezen is drivingen stand bei driven er stand bei nieder is huf die finiteer is huf die fin	TEASE HOTE: LAURY and Denisher's Denisher's Biblin's and reacts to be a construction of the second s
ANALYSIS REQUEST	X JPH(BOISEXD) X Chloride	X JPH(BOISEXD) X Chloride	City:         Hoths:         State:         NM         Zip:         882:40         Attn::         KX         To include         Attn::	Relinifutising     Bite:     Bite:<	NI
X X JPH(BONSEXD) X X Chloride	XX JPH(BONSEXD) XX Chloride	XX JPH(BONS EXD) XX Chloride	XX JPH(BOISEXD) XX Chloride	Image: Solution     Sample Condition     CHECkED BY:     Plinte Result:     I Yes     Mo     Ad       Product     Image: So     Image: So <td></td>	
X	XX JPH(BOISEXD) XX Chloride	X	XX JPH(BOIS EX5) XX Chlorida	Hed By:     Date: S-19-17     Received By: Received By:     Fax Result: REMARKS:     El Yes     Yes       ad By:     (Circle One)     Time: So     Junto Ka     Junto Ka     Junto Ka       UPS - Bus - Other:     10     1     Cool Intact     Imple Condition     CHECKED BY:	J Yes No IAd
AND	X - X JPH(BOISEX)	X JPH(BONS EXJ)	X - X JPH(BOIS EXJ)	ad By: (Circle Ona) - UPS - Bus - Other: -	REMARKS: 1 Yes XIO
Image: Safety & Environmental Solutions. Inc.     Prove Bill III TO Business       297: Boh Allen     Plot #       703 East Clinton     Plot #       703 East Clinton     Ref 15: 397-4388       Address:     Address:       515-397-0510     Fax #: 575-393-4388       Address:     Ref 2: 88240       515-397-0510     Fax #: 575-393-4388       Address:     Ref 2: 88240       515-397-0510     Fax #: 575-393-4388       Address:     Plotne #:       Plotne #:     Pl	aPF     Floh Allen     Piol #       703     East Clinton     gininant: et al. Manual et al. Man	T03 East Clinton       Given         Hobbs       Stele: NM       Zip: 88240       Atm:         575-397-0510       Fax #:       575-393-4388       Address         XV-16-000       Frolect Owner:       City:       City:         Sample       Sample       City:       Sample         Sample       Sample       City:       Sample       Sample         Sample       Sample       Sample       Sample       Sample       Sample         Sample <td< td=""><td>Hobbs       State: NM       Zip:       88240       Am: IXX       7.1         575-397-0510       Fax #:       575-393-4388       Address:       City:         NV-16-DOS Project Owner:       City:       State:       City:         NV-16-DOS Project Owner:       City:       State:       Zip:         NV-16-DOS Project Owner:       City:       State:       Zip:         NV-16-DOS Project Owner:       City:       State:       Zip:         NV-16-DOS Project Owner:       State:       Zip:       State:       Zip:         NV-16-DOS Project Owner:       State:       Zip:       State:       Zip:         NU16-DOS Project Owner:       State:       Zip:       State:       Zip:         NU16-DOS Project Owner:       NU16-DOS Project Owner:       Project State:       Zip:         Sample Conversite State:       State:       Project State:       Signe:       Zip:         Sample Conversite State:       State:       Signe:       Signe:       Zip:       Signe:       Zip:         Sample Conversite State:       State:       Signe:       Signe:</td><td>ad By: (Circle One) I'me: So Jaulora Julion - UPS - Bus - Other: 10 10 1 Cool Intect CH</td><td>ST9-17 Received By:</td></td<>	Hobbs       State: NM       Zip:       88240       Am: IXX       7.1         575-397-0510       Fax #:       575-393-4388       Address:       City:         NV-16-DOS Project Owner:       City:       State:       City:         NV-16-DOS Project Owner:       City:       State:       Zip:         NV-16-DOS Project Owner:       City:       State:       Zip:         NV-16-DOS Project Owner:       City:       State:       Zip:         NV-16-DOS Project Owner:       State:       Zip:       State:       Zip:         NV-16-DOS Project Owner:       State:       Zip:       State:       Zip:         NU16-DOS Project Owner:       State:       Zip:       State:       Zip:         NU16-DOS Project Owner:       NU16-DOS Project Owner:       Project State:       Zip:         Sample Conversite State:       State:       Project State:       Signe:       Zip:         Sample Conversite State:       State:       Signe:       Signe:       Zip:       Signe:       Zip:         Sample Conversite State:       State:       Signe:	ad By: (Circle One) I'me: So Jaulora Julion - UPS - Bus - Other: 10 10 1 Cool Intect CH	ST9-17 Received By:
Image: Safety & Environmental Solutions, Inc.       Prove The Same Provide Constraints         Total East Clinton       Prove The Same Provide Constraints         Hothins       State: NM 210: 88240       Address:         Colspan="2">Colspan="2">Colspan="2">Colspan="2"         For Same Solutions, Inc.       Prove The Same Solutions         Same Solutions         Same Solutions         Same Solutions         Same Solutions         Same Solutions         Sample LD.	arr     Both Allen     State: NIM     Zie:     88240     Autrest       103     East Clinton     Guinjany:     Guinjany:     Guinjany:     Guinjany:       103     East Clinton     Guinjany:     Guinjany:     Guinjany:     Guinjany:       103     East Clinton     Guinjany:     Guinjan	T03 East Clinton         Hohhs       Stete:       NM       Zip:       State         575-397-0510       Fax #:       575-392-4388       Address:         NS-1/S-DOS       Frollect Owner:       Bits       Bits         00:       Hohhs       State:       State:       State:         NS-1/S-DOS       Frolect Owner:       Bits       Bits:       Dis:         01:       Hohhs       State:       State:       Tip:         02:       HOH       Hohne #:       Bits:       Tip:         Sample I.D.       ORAB OR.(C)OMP.       FireSERPI       State:       Tip:         13:       Gits:       ORAB OR.(C)OMP.       FireSERPI       State:       Tip:         14:       Bits:       ORAB OR.(C)OMP.       FireSERPI       State:       State: <td>Hohhs       State: NM       Zip:       882:40       Attribut, C. Yining         SG15-397-0510       Fax #:       575-393-4388       Address:         NV-16-000       Frolect Owner:       City:       State:       Tip:         NV-16-000       Frolect Owner:       City:       State:       Tip:         NV-16-000       Frolect Owner:       State:       Tip:         NV-16-000       Frolect Owner:       State:       Tip:         Sample LD,       Sample LD,       Frolect Owner:       Frolect Owner:         Sample LD,       Sample LD,       Frolect Owner:       Frolect Owner:         Sample LD,       Sample LD,       Frolect Owner:       Frolect Owner:         Sample LD,       Sample Convertient State Stresses       Sample Convertient State Stresses       Sample Convertient State Stresses         Sample LD,       Sample Convertient State Stresses       Sample Convertient State Stresses       Sample Convertient State Stresses       Sample Convertient State Stresses         Sample Convertient State Stresses       Sample Convertient State Stresses       Sample Convertient State Stresses       Sample Convertient State Stresses         Sample Convertient State Stresses       Sample Convertient State Stresses       Sample Convertient State Stresses         Sample Convertient State Stresses</td> <td>- UPS - Bus - Other:</td> <td></td>	Hohhs       State: NM       Zip:       882:40       Attribut, C. Yining         SG15-397-0510       Fax #:       575-393-4388       Address:         NV-16-000       Frolect Owner:       City:       State:       Tip:         NV-16-000       Frolect Owner:       City:       State:       Tip:         NV-16-000       Frolect Owner:       State:       Tip:         NV-16-000       Frolect Owner:       State:       Tip:         Sample LD,       Sample LD,       Frolect Owner:       Frolect Owner:         Sample LD,       Sample LD,       Frolect Owner:       Frolect Owner:         Sample LD,       Sample LD,       Frolect Owner:       Frolect Owner:         Sample LD,       Sample Convertient State Stresses       Sample Convertient State Stresses       Sample Convertient State Stresses         Sample LD,       Sample Convertient State Stresses       Sample Convertient State Stresses       Sample Convertient State Stresses       Sample Convertient State Stresses         Sample Convertient State Stresses       Sample Convertient State Stresses       Sample Convertient State Stresses       Sample Convertient State Stresses         Sample Convertient State Stresses       Sample Convertient State Stresses       Sample Convertient State Stresses         Sample Convertient State Stresses	- UPS - Bus - Other:	
Bar       Rafety & Environmental Solutions, Inc.       Prove The second	are:       Find       State Clinton       Pio.#         Hohbs:       State Clinton       Gibilitan:       Gibilitan	T03 East Clinton         Hohhs       Stete: NM       Zip: 88240       Attr: RX       State         575-337-0510       Fax #:       575-337-4388       Address:         No.       Sample Low       Balany:       Sample Low       Balany:       Sample Low         Sample Low       Froged Owner:       State:       Zip:       State:       Zip:         Sample Low       Froged Owner:       State:       Zip:       State:       Zip:         Sample Low       Rest #:       State:       Zip:       State:       Zip:         Sample Low       Rest #:       State:       Zip:       State:       Zip:         Sample Low       Rest #:       Sign #:       Sign #:       Zip:       Sign #:       Zip:         Sample Low       Rest #:       Sign #:       Sign #:       Zip:       Sign #:       Zip:       Zip: <t< td=""><td>Hoths         Stete:         NM         Zip:         88240         Attime XX         For Signal         For Signal</td><td></td><td>- UPS - Bus - Other: 0 10 1 Cool Intect CH</td></t<>	Hoths         Stete:         NM         Zip:         88240         Attime XX         For Signal		- UPS - Bus - Other: 0 10 1 Cool Intect CH

Page 13 of 13

F

## APPENDIX A Continued Lab Data from December 2016



December 16, 2016

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: RXS-16-005

Enclosed are the results of analyses for samples received by the laboratory on 12/13/16 10:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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. Keine

Celey D. Keene Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/07/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

#### Sample ID: BH-1 0.9-1.1' (H602785-01)

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	12/14/2016	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	12/13/2016	ND	209	105	200	1.47	
DRO >C10-C28	<10.0	10.0	12/13/2016	ND	228	114	200	0.353	
EXT DRO >C28-C35	<10.0	10.0	12/13/2016	ND					
Surrogate: 1-Chlorooctane	90.0	% 35-147							
Surrogate: 1-Chlorooctadecane	99.1	% 28-171							

#### Sample ID: BH-1 1.9-2.1' (H602785-02)

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	12/14/2016	ND	416	104	400	3.77	

#### Sample ID: BH-1 2.7-2.9' (H602785-03)

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	12/14/2016	ND	416	104	400	3.77	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/07/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

#### Sample ID: BH-2 0.9-1.1' (H602785-04)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/14/2016	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	12/13/2016	ND	209	105	200	1.47	
DRO >C10-C28	<10.0	10.0	12/13/2016	ND	228	114	200	0.353	
EXT DRO >C28-C35	<10.0	10.0	12/13/2016	ND					
Surrogate: 1-Chlorooctane	82.9	% 35-147							
Surrogate: 1-Chlorooctadecane	81.6	% 28-171							

#### Sample ID: BH-2 1.9-2.1' (H602785-05)

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	12/14/2016	ND	416	104	400	3.77	

#### Sample ID: BH-2 2.7-2.9' (H602785-06)

Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/14/2016	ND	416	104	400	3.77	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/07/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

#### Sample ID: BH-3 0.9-1.1' (H602785-07)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/14/2016	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	12/13/2016	ND	209	105	200	1.47	
DRO >C10-C28	<10.0	10.0	12/13/2016	ND	228	114	200	0.353	
EXT DRO >C28-C35	<10.0	10.0	12/13/2016	ND					
Surrogate: 1-Chlorooctane	78.9	% 35-147							
Surrogate: 1-Chlorooctadecane	79.9	% 28-171							

#### Sample ID: BH-3 1.9-2.1' (H602785-08)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/14/2016	ND	416	104	400	3.77	

#### Sample ID: BH-3 2.8-3.0' (H602785-09)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/14/2016	ND	416	104	400	3.77	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/07/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

#### Sample ID: BH-4 0.9-1.1' (H602785-10)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/14/2016	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	12/13/2016	ND	209	105	200	1.47	
DRO >C10-C28	<10.0	10.0	12/13/2016	ND	228	114	200	0.353	
EXT DRO >C28-C35	<10.0	10.0	12/13/2016	ND					
Surrogate: 1-Chlorooctane	76.1	% 35-147							
Surrogate: 1-Chlorooctadecane	83.9	% 28-171							

#### Sample ID: BH-4 1.9-2.1' (H602785-11)

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	12/14/2016	ND	416	104	400	3.77	

#### Sample ID: BH-4 2.9-3.1' (H602785-12)

Chloride, SM4500Cl-B	mg	/kg	Analyze	Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/14/2016	ND	416	104	400	3.77	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/07/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

#### Sample ID: BH-5 0.9-1.1' (H602785-13)

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	12/14/2016	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	12/13/2016	ND	209	105	200	1.47	
DRO >C10-C28	<10.0	10.0	12/13/2016	ND	228	114	200	0.353	
EXT DRO >C28-C35	<10.0	10.0	12/13/2016	ND					
Surrogate: 1-Chlorooctane	85.4	% 35-147							
Surrogate: 1-Chlorooctadecane	90.1	% 28-171							

#### Sample ID: BH-5 1.9-2.1' (H602785-14)

Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/14/2016	ND	416	104	400	3.77	

#### Sample ID: BH-5 2.9-3.1' (H602785-15)

Chloride, SM4500Cl-B	s mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/14/2016	ND	416	104	400	3.77	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/07/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

### Sample ID: BH-6 0.9-1.1' (H602785-16)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	688	16.0	12/14/2016	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	12/13/2016	ND	209	105	200	1.47	
DRO >C10-C28	<10.0	10.0	12/13/2016	ND	228	114	200	0.353	
EXT DRO >C28-C35	<10.0	10.0	12/13/2016	ND					
Surrogate: 1-Chlorooctane	87.0	% 35-147							
Surrogate: 1-Chlorooctadecane	91.0	% 28-171							

### Sample ID: BH-6 1.9-2.1' (H602785-17)

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	12/14/2016	ND	416	104	400	3.77	

### Sample ID: BH-6 2.9-3.1' (H602785-18)

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	12/14/2016	ND	416	104	400	3.77	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/07/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

### Sample ID: BH-7 0.9-1.1' (H602785-19)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	12/14/2016	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	12/13/2016	ND	209	105	200	1.47	
DRO >C10-C28	<10.0	10.0	12/13/2016	ND	228	114	200	0.353	
EXT DRO >C28-C35	<10.0	10.0	12/13/2016	ND					
Surrogate: 1-Chlorooctane	89.3	% 35-147							
Surrogate: 1-Chlorooctadecane	104	% 28-171							

### Sample ID: BH-7 1.9-2.1' (H602785-20)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/14/2016	ND	416	104	400	3.77	

### Sample ID: BH-7 2.9-3.1' (H602785-21)

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	12/14/2016	ND	416	104	400	3.77	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/07/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

### Sample ID: BH-8 0.9-1.1' (H602785-22)

Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	12/14/2016	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	12/13/2016	ND	209	105	200	1.47	
DRO >C10-C28	<10.0	10.0	12/13/2016	ND	228	114	200	0.353	
EXT DRO >C28-C35	<10.0	10.0	12/13/2016	ND					
Surrogate: 1-Chlorooctane	80.8	% 35-147							
Surrogate: 1-Chlorooctadecane	96.4	% 28-171							

### Sample ID: BH-8 1.9-2.1' (H602785-23)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/14/2016	ND	416	104	400	3.77	

### Sample ID: BH-8 2.9-3.1' (H602785-24)

Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/14/2016	ND	416	104	400	3.77	

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/07/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

### Sample ID: BH-9 0.9-1.1' (H602785-25)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1250	16.0	12/14/2016	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	12/13/2016	ND	209	105	200	1.47	
DRO >C10-C28	<10.0	10.0	12/13/2016	ND	228	114	200	0.353	
EXT DRO >C28-C35	<10.0	10.0	12/13/2016	ND					
Surrogate: 1-Chlorooctane	86.9	% 35-147							
Surrogate: 1-Chlorooctadecane	91.0	% 28-171							

### Sample ID: BH-9 1.9-2.1' (H602785-26)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/14/2016	ND	416	104	400	3.77	

### Sample ID: BH-9 2.9-3.1' (H602785-27)

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	12/14/2016	ND	416	104	400	3.77	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/07/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

### Sample ID: BH-10 0.9-1.1' (H602785-28)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	12/14/2016	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	12/13/2016	ND	209	105	200	1.47	
DRO >C10-C28	<10.0	10.0	12/13/2016	ND	228	114	200	0.353	
EXT DRO >C28-C35	<10.0	10.0	12/13/2016	ND					
Surrogate: 1-Chlorooctane	89.1	% 35-147							
Surrogate: 1-Chlorooctadecane	106	% 28-171							

### Sample ID: BH-10 1.9-2.1' (H602785-29)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/14/2016	ND	416	104	400	3.77	

### Sample ID: BH-10 2.9-3.1' (H602785-30)

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	12/14/2016	ND	416	104	400	3.77	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/09/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

### Sample ID: BH-11 0.8-1.2' (H602785-31)

Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2560	16.0	12/15/2016	ND	400	100	400	3.92	QM-07
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	12/13/2016	ND	209	105	200	1.47	
DRO >C10-C28	348	10.0	12/13/2016	ND	228	114	200	0.353	
EXT DRO >C28-C35	148	10.0	12/13/2016	ND					
Surrogate: 1-Chlorooctane	81.9	% 35-147							
Surrogate: 1-Chlorooctadecane	106 9	28-171							

### Sample ID: BH-11 1.9-2.1' (H602785-32)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	832	16.0	12/15/2016	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	12/13/2016	ND	209	105	200	1.47	
DRO >C10-C28	<10.0	10.0	12/13/2016	ND	228	114	200	0.353	
EXT DRO >C28-C35	13.5	10.0	12/13/2016	ND					
Surrogate: 1-Chlorooctane	83.3	% 35-147	,						
Surrogate: 1-Chlorooctadecane	86.0	% 28-171							

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/09/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

### Sample ID: BH-11 2.9-3.1' (H602785-33)

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	12/15/2016	ND	400	100	400	3.92	

### Sample ID: BH-11 3.5-4.0 (H602785-34)

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	12/15/2016	ND	400	100	400	3.92	

### Sample ID: BH-12 0.9-1.1' (H602785-35)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/15/2016	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	12/13/2016	ND	209	105	200	1.47	
DRO >C10-C28	<10.0	10.0	12/13/2016	ND	228	114	200	0.353	
EXT DRO >C28-C35	<10.0	10.0	12/13/2016	ND					
Surrogate: 1-Chlorooctane	88.6	% 35-147							
Surrogate: 1-Chlorooctadecane	97.8	% 28-171							

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/09/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

### Sample ID: BH-12 1.9-2.1' (H602785-36)

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	12/15/2016	ND	400	100	400	3.92	

### Sample ID: BH-12 2.8-3.0' (H602785-37)

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	12/15/2016	ND	400	100	400	3.92	

### Sample ID: BH-12 3.5-4.0' (H602785-38)

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	12/15/2016	ND	400	100	400	3.92	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/09/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

### Sample ID: BH-13 0.9-1.1' (H602785-39)

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	12/15/2016	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	12/13/2016	ND	209	105	200	1.47	
DRO >C10-C28	<10.0	10.0	12/13/2016	ND	228	114	200	0.353	
EXT DRO >C28-C35	<10.0	10.0	12/13/2016	ND					
Surrogate: 1-Chlorooctane	86.4	% 35-147							
Surrogate: 1-Chlorooctadecane	96.2	% 28-171							

### Sample ID: BH-13 1.9-2.1' (H602785-40)

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	12/15/2016	ND	400	100	400	3.92	

### Sample ID: BH-13 2.8-3.0' (H602785-41)

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	12/15/2016	ND	400	100	400	3.92	

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/09/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

### Sample ID: BH-13 3.5-4.0' (H602785-42)

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	12/15/2016	ND	400	100	400	3.92	

### Sample ID: BH-14 0.9-1.1' (H602785-43)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	12/15/2016	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	12/13/2016	ND	209	105	200	1.47	
DRO >C10-C28	28.0	10.0	12/13/2016	ND	228	114	200	0.353	
EXT DRO >C28-C35	36.1	10.0	12/13/2016	ND					
Surrogate: 1-Chlorooctane	82.3	% 35-147							
Surrogate: 1-Chlorooctadecane	92.1	% 28-171							

### Sample ID: BH-14 1.9-2.1' (H602785-44)

Chloride, SM4500Cl-B	mg	mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/15/2016	ND	400	100	400	3.92	

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/09/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

### Sample ID: BH-14 2.9-3.1' (H602785-45)

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	12/15/2016	ND	400	100	400	3.92	

### Sample ID: BH-14 3.5-4.0' (H602785-46)

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	12/15/2016	ND	400	100	400	3.92	

### Sample ID: S-1 0-0.85 (H602785-47)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	880	16.0	12/15/2016	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	12/13/2016	ND	209	105	200	1.47	
DRO >C10-C28	<10.0	10.0	12/13/2016	ND	228	114	200	0.353	
EXT DRO >C28-C35	<10.0	10.0	12/13/2016	ND					
Surrogate: 1-Chlorooctane	87.3	% 35-147							
Surrogate: 1-Chlorooctadecane	103	% 28-171							

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/09/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

### Sample ID: S-2 0-0.55 (H602785-48)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	12/15/2016	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	12/14/2016	ND	189	94.6	200	0.431	
DRO >C10-C28	26.7	10.0	12/14/2016	ND	199	99.5	200	0.921	
EXT DRO >C28-C35	21.0	10.0	12/14/2016	ND					
Surrogate: 1-Chlorooctane	86.2	% 35-147							
Surrogate: 1-Chlorooctadecane	94.7	% 28-171							

### Sample ID: S-3 0-0.55' (H602785-49)

Chloride, SM4500Cl-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	12/15/2016	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	12/14/2016	ND	189	94.6	200	0.431	
DRO >C10-C28	<10.0	10.0	12/14/2016	ND	199	99.5	200	0.921	
EXT DRO >C28-C35	<10.0	10.0	12/14/2016	ND					
Surrogate: 1-Chlorooctane	80.3	% 35-147							
Surrogate: 1-Chlorooctadecane	89.6	% 28-171							

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/09/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

### Sample ID: S-4 0-0.55' (H602785-50)

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	12/15/2016	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	12/14/2016	ND	189	94.6	200	0.431	
DRO >C10-C28	<10.0	10.0	12/14/2016	ND	199	99.5	200	0.921	
EXT DRO >C28-C35	<10.0	10.0	12/14/2016	ND					
Surrogate: 1-Chlorooctane	68.1	% 35-147							
Surrogate: 1-Chlorooctadecane	81.8	% 28-171							

### Sample ID: OS-1 (H602785-51)

Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4080	16.0	12/16/2016	ND	416	104	400	0.00	QM-07
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	493	100	12/14/2016	ND	189	94.6	200	0.431	
DR0 >C10-C28	13500	100	12/14/2016	ND	199	99.5	200	0.921	
EXT DRO >C28-C35	5430	100	12/14/2016	ND					
Surrogate: 1-Chlorooctane	112 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	478 % 28-171								

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Safety & Environmental Solutions Bob Allen 703 East Clinton Hobbs NM, 88240 Fax To: (575) 393-4388

Received:	12/13/2016	Sampling Date:	12/12/2016
Reported:	12/16/2016	Sampling Type:	Soil
Project Name:	RXS-16-005	Sampling Condition:	Cool & Intact
Project Number:	RXS-16-005	Sample Received By:	Celey D. Keene
Project Location:	NONE GIVEN		

### Sample ID: OS-2 (H602785-52)

Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4000	16.0	12/16/2016	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	<100	100	12/14/2016	ND	189	94.6	200	0.431	
DR0 >C10-C28	2980	100	12/14/2016	ND	199	99.5	200	0.921	
EXT DRO >C28-C35	1300	100	12/14/2016	ND					
Surrogate: 1-Chlorooctane	85.2	% 35-147							
Surrogate: 1-Chlorooctadecane	158	% 28-171							

### Sample ID: OS-3 (H602785-53)

Chloride, SM4500Cl-B	mg/kg		Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6660	16.0	12/16/2016	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	131	100	12/14/2016	ND	189	94.6	200	0.431	
DRO >C10-C28	7980	100	12/14/2016	ND	199	99.5	200	0.921	
EXT DRO >C28-C35	3930	100	12/14/2016	ND					
Surrogate: 1-Chlorooctane	100	% 35-147	,						
Surrogate: 1-Chlorooctadecane	220 % 28-171								

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside if QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

### **Cardinal Laboratories**

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose of use, or loss of profits incurred by client, its subsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 21 of 27

57	FAX (575) 393-2476	BILI TO	ANALYSIS REQUEST
Company Name: Safety and Envi	Safety and Environmental Solutions	DIFFIC	
	2 2 4	P.O. #	*
2	PO Box 1613	Company: Same KX JQ	T
Hobbs	1 Zip: 88240	Attn:	
e #	Fax #: 575 393-4388	Address:	E
T	Owner:	City:	
Project Name:	with the	State: Zip:	
Project Location:		Phone #:	
Sampler Name:	KONCR	Fax #:	
FOR LAB USE ONLY	MATRIX	PRESERV. · SAMPLING	
Lab I.D. Sample I.D.	AB OR (C)OMP ONTAINERS DUNDWATER STEWATER	HER: D/BASE: / COOL HER:	CHLD JPH
H6027851	# CO GRO WA SOI	ACI	
0 1-421 0	9-11, G1 X	CII CTEI X	
1.C 1-H 20			X
05 131-2 0	9-2.1		
0 2-HC 20	S-2,7-		
	2-2.10	A A	35
10 RH-40		t or tort, shall be limited to the amount paid by the dient for the	
analyses. All chains including those for negligence and any other cause whatsower service, in no event shall cantinal be liable for incidental or consequential damages service.	shall be deemed waived unless made in writin including without limitation, business interruption nder/by Cardinal, regardless of whether stoff of	ning and received by Cardinal within 30 days anter composition of systems, loss of use, or loss of prolits incurred by client, its subsidiaries in claim is based upon any of the above statled reasons or otherwise.	
Relinquished By:	Date: 12/12 Received By:	Fax REN	1
Relinquished By:	Date: Received By:	*	* Ext Des added 12116116 as per pure. Istiching
	Time:		
Delivered By: (Circle One)	O √D Sample Condition Cool Intact ∑ Yes ∑ Yes	as (Minitials)	
	(	0 41-11-	

Page 22 of 27

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

# Laboratories

Delivered By: ( Sampler - UPS -	Relinquished By: Relinquished By:	PLEASE NOTE: Liability and Darhäges. Cardina's lability a analyses, All claims including those for negligence and any service. In no event shall Cardinal be lable to incluent and service.	20	14		16 8	2	4	13 12	5 10	-521, tooff	Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Name:	Project #: XXS	Phone #: 575 39	city: Hobbs	Address: 703 E		Company Name:	101	
(Circle One) Bus - Other:	Son	and Danninges. Cardinal's Eability and clien ding those for negligence and any other cu Cardinal be Eable for incidential or conseq	RH-2 1.5	12 H-1 0 0.4	RITA P. 9	H-6,004	-5. C.J.H.S	3451.9-	11-1 0.9	4-4 41-	01 A 10	Sample I.D.	100.000	ANAN	- ter	-16-005	575 397-0510	Ň	703 East Clinton, PO	Bob Allen	Safety and Environmental Solutions	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	borat
2.8°C	Date:	nt's exclusive remedy for any ause whatsoever shall be dev puental damages, including w of socioes hereunder by Carr	1.2.1	-1.1	3.	-1.3	4.1.		-1.1.	9.1	ī	)RAB OR (C)OMP		MARD		Project Owner:	Fax #: 575 39:	State: NM Zip:	PO Box 1613	14	onmental Solu	bbs, NM 88240 575) 393-2476	atorie
Sample Condition Cool Intact Yes Yes No No No	ved By:	ny claim ansing whether beared in convaci- leemed waived unless made in writing am without limitation, business interruptions, ardinal recardless of whether such claim	61 8							X	GI W C SC OI	CONTAINERS ROUNDWATER ASTEWATER OIL	MATRIX		the second s		393-4388	88240		E. Star	tions		ហ៍ <b>ព</b>
s Checked BY:	X	atam anstang whistler based in contract, or sor, since use measure or we among a set of the app mod waived unless made in writing and received by Cardinal which 30 days after, or provide on of the app hour limitation, business ingerruptions, loos of use, or loos of profits incurred by client, its subsidiarites, nat receardless of which which daim is based upon any of the above stated reasons or otherwise.	C/U X	1 1			c/el			V PPI V		THER : CID/BASE: DE / COOL THER :	PRESERV. SAMPLING	Fax #:	#	City: State: Zin:	Address:	Attn:	Company: Same	P.O. #:	BILL TO	198 (B)	
	Phone Result: 1 Yes Fax Result: 1 Yes REMARKS:	plicable	1420X	1420 X	1356	1357	1331	1335	X		Xaci	TIME		Ria B	2s Dk	4	nz	FX	2)	*			CHAIN-OF-CUST
X	YQ No Add'l Fax #:																				ANALYSIS REQ	14	CUSTODY AND ANALYSIS REQUEST
																	_				REQUEST	430	SIS REQUES



Page 24 of 27

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	3240 76		5	Page 1 76
	Solutions	BILL TO		ANALYSIS REQUEST
Bob Allen		P.O. #:	-	
Ε		Company: Same	×	
Hobbs	Zip: 88240		2	
le #:	w	Address:	the Ex	
: AXS-12-DOS	er:	City:	n:	
ame: (		State: Zip:	2	
Project Location:		Phone #:	20	
Sampler Name: WAVIN JOHCO	~	Fax #:		
4	_	PRESERV. SAMPLING	0	
Lab I.D. Sample I.D.	(G)RAB OR (C)OMP # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE		TIME TPH(	
	X	Cred K	AND XX	
33 24-112.5-3.1			that 1	
31 13H-11 3.5 - 4.2			1 that I	
11-50 41-42 98			1430	
31 14122,203,0			14323	
32 12-12-2-1-0			1432 1442 X	
TUC	F	P4	13 X	
Liability an ms includin rent shall Ca	r any claim erising whether based in contrac se deemed waived unless made in writing an ing without limitation, business interruptions.	whether based in contract or lot, shall be immed to the amount paid unless made in writing and received by Cardinal within 30 days after n, business interruptions, loss of use, or loss of profils incurred by or or of whether prioritikation is becaut upon any of the above stated to	rs aller completion of the applicable d by dient, its subaldaries, for ossanors or otherwise	
Relinquished By:	Received By:	DNG	Phone Result:  Yes No Fax Result: Yes No REMARKS:	Add'l Phone #: Add'l Fax #:
Relinquished By: Date: Time:	Received By			
: (Circle	Sample Condition Cool Intact	tion CHECKED BY:		
Sampler - UPS - Bus - Other:		· NA #7		

CARDINAL Laboratories

Delivered By:     (Circle One)     Sample Condition     CHECKED BY:       Sampler - UPS - Bus - Other:     2.3°     Sample Condition     CHECKED BY:	Relinquished By: Relinquished By: Relinquished By: Time: Time: Received By: Received By: Time:	Ing those for negligeness and any exo-cence whatever strating to any environg measured interest made as writing and received by Cardinals within 30 days in per- try those for negligeness and any because whatever strategies determed wave of uncers made as writing and received by Cardinals within 30 days after andinal be Table for incidental or consequental damages, including without limitation, business interruptions, loss of rate, or loss of profits incurred by cardinals and out of or reliated to the performance of services hereunder by Cardinal, regardless of whether such cladify is based upon any of the above stated reas	booksed or fast shall	46, 1-2 2-0-0 -2 -2 14 14 14	1/51 12 12 12 12 12 12 12 12 12 12 12 12 12	46 124-14 3.5-4.01 10/91	45 KH-H 2,5-2,1	42 12 H-13 3.3-4.5 111 11	-41 SH-13 2.8.3.10 X 199	# CON GROU WAST SOIL OIL SLUD OTHE ACID/I ICE / C	R : BASE: COOL	_	Fax #:	Project Location: Phone #:	Project Name: Zip:	Project #: RXG / 6 ~ 005 Project Owner: City:	Phone #: 575 397-0510 Fax #: 575 393-4388 Address:		Address: 703 East Clinton, PO Box 1613 Company: Same	Project Manager: Bob Allen P.O. #:	Company Name: Safety and Environmental Solutions BILL TO	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		Laboratories	CARDINAL
	Phone Result:	completion of the applicable ent. Its subsidiaries, ions or otherwise.	154XX	1535 1 2	1320 1 3	1502	1. Col	1440	14.40X	TIME	CHI TP4	DR	2/<			_	nz E	XI	2	£	ANALYSIS REQUEST	2 29 cal	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST		

Page 26 of 27

	101 East Marland, Hobbs, NM 88240	10		Pare 6 07 6
Company Name:	Safety and Environmental Solutions	lutions	BILL TO	ANALYSIS REQUEST
Project Manager:			P.O. #:	**
Address: 70	703 East Clinton, PO Box 1613	0	Company: Same	Q + )*
_	State: NM	Zip: 88240 A		2 X
le #:	7-0510 Fax #:	575 393-4388 A	Address:	
	いールーのひら Project Owner:		City:	
Project Name:			State: Zip:	<.
Project Location:		-	Phone #:	30
Sampler Name:	DAU PROS			E
FOR LAB USE ONLY	d	RS	PRESERV, SAMPLING	h-to TPH
Lab I.D. Hooz785	Sample I.D.	<ul> <li>         # CONTAINERS         GROUNDWATE         WASTEWATER         <ul> <li></li></ul></li></ul>	OTHER : ACID/BASE: ICE / COOL OTHER : DATE TIME	
52	07-9	C I X	X 12/12/15/43	
53	05-20	(F   -)	× 14/171543	
PLEASE NOTE: Liability an analyzes, All claims includin sective. In measure thall Ca	PLEASE NOTE: Liability and Damages. Cardinal's lability and client's exclusive remody for any claim arising whether based in contract or fort, shall be limited to the amount padd by the client for the anyticability analyses. Ad claims including those for negligence and any other cause whatsoever shall be earned waived unless made in writing and received by Cardinal within 3D days after completion of the applicability analyses. Ad claims including those for negligence and any other cause whatsoever shall be earned waived unless made in writing and received by Cardinal within 3D days after completion of the applicability analyses. Ad claims including those for negligence and any other cause whatsoever shall be earned waived unless made in writing and received by Cardinal within 3D days after completion of the applicability analyses. The advection of the applicability and the state of the advection of the applicability of the advection of the applicability and the advection of the advection of the applicability and the advection of the advection o	e remody for any claim artising whether based in contract or overer shall be deemed waived unless made in writing and n waves, including without firstation, business interputtions, for	by for any claim arising whether based in contract or toot, shall be finited to the amount paid by the client for the haal be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the air obsidion without limitation, business integraptions, loss of uses of profits incurred by client, its subsidiaries.	r the criter ha ngblicable wires,
Reliquished By	d By: The B	Received By:	In claim a classed upon any of the alloye standy instantion of womenses. Fax Result: Fax Result: REMARKS:	sult: D Yes D No Add'I Phone #: It: D Yes B No Add'I Fax #: S:
Relinquished By:	1 have	Received By		
Delivered By: (Circle One) Sampler - UPS - Bus - Other	: (Circle One) - Bus - Other: $\partial \cdot \gamma^{\circ} C$	Sample Condition Cool Intact Yes Yes No No	m CHECKED BY:	

## CARDINAL Laboratories

## FIGURE 4 Excavated Areas



APPENDIX B Post Remediation Lab data

					DATE	24-Jul	24-Jul	24-Jul	24-Jul
			Laboratory: Cardinal Labs		BTEX	<0.300 mg/kg	<0.300 mg/kg	<0.300 mg/kg	<0.300 mg/kg
			Laborat	Results	ТРН	<10.0 mg/kg	24.0 mg/kg	15.9 mg/kg	13.6 mg/kg
1RP-4572-0	RXSOIL, INC.	Ruth Co. SWD	7/24/17	ion: Data l	CELL	А	А	А	А
1RP-,	RXSO	Ruth (	Received: 07/24/17	Post Remediation: Data Results	Type	COMP	COMP	COMP	COMP
			Sent: 07/24/17		Lab ID Sample	A 3&4-RXNM072417	B 3&4-RXNM072417	C 3&4-RXNM072417	D 3&4-RXNM072417
					Sample	#1	#2	#3	#4



July 24, 2017

JACOB MICKLE RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH, TX 76102

RE: RUTH CO. SWD

Enclosed are the results of analyses for samples received by the laboratory on 07/24/17 10:20.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	07/24/2017	Sampling Date:	07/24/2017
Reported:	07/24/2017	Sampling Type:	Soil
Project Name:	RUTH CO. SWD	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS		

### Sample ID: A 3 & 4 - RXNM072417 (H701915-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2017	ND	1.65	82.6	2.00	2.20	
Toluene*	<0.050	0.050	07/24/2017	ND	1.82	90.9	2.00	2.55	
Ethylbenzene*	<0.050	0.050	07/24/2017	ND	2.03	101	2.00	2.56	
Total Xylenes*	<0.150	0.150	07/24/2017	ND	6.13	102	6.00	3.15	
Total BTEX	<0.300	0.300	07/24/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 72-148							
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/24/2017	ND	190	95.0	200	0.548	
DRO >C10-C28	<10.0	10.0	07/24/2017	ND	199	99.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	07/24/2017	ND					
Surrogate: 1-Chlorooctane	90.1	28.3-16	4						
Surrogate: 1-Chlorooctadecane	88.2	% 34.7-15	7						

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/24/2017	Sampling Date:	07/24/2017
Reported:	07/24/2017	Sampling Type:	Soil
Project Name:	RUTH CO. SWD	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS		

### Sample ID: B 3 & 4 - RXNM072417 (H701915-02)

BTEX 8021B	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2017	ND	1.65	82.6	2.00	2.20	
Toluene*	<0.050	0.050	07/24/2017	ND	1.82	90.9	2.00	2.55	
Ethylbenzene*	<0.050	0.050	07/24/2017	ND	2.03	101	2.00	2.56	
Total Xylenes*	<0.150	0.150	07/24/2017	ND	6.13	102	6.00	3.15	
Total BTEX	<0.300	0.300	07/24/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	72-148							
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/24/2017	ND	190	95.0	200	0.548	
DRO >C10-C28	24.0	10.0	07/24/2017	ND	199	99.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	07/24/2017	ND					
Surrogate: 1-Chlorooctane	86.1	28.3-16	1						
	80.1	20.3-10	7						

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/24/2017	Sampling Date:	07/24/2017
Reported:	07/24/2017	Sampling Type:	Soil
Project Name:	RUTH CO. SWD	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS		

### Sample ID: C 3 & 4 - RXNM072417 (H701915-03)

BTEX 8021B	mg/kg Analyzed By: MS								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2017	ND	1.65	82.6	2.00	2.20	
Toluene*	<0.050	0.050	07/24/2017	ND	1.82	90.9	2.00	2.55	
Ethylbenzene*	<0.050	0.050	07/24/2017	ND	2.03	101	2.00	2.56	
Total Xylenes*	<0.150	0.150	07/24/2017	ND	6.13	102	6.00	3.15	
Total BTEX	<0.300	0.300	07/24/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 72-148	2						
TPH 8015M	mg/	kg	Analyze						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/24/2017	ND	190	95.0	200	0.548	
DRO >C10-C28	15.9	10.0	07/24/2017	ND	199	99.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	07/24/2017	ND					
Surrogate: 1-Chlorooctane	93.2	28.3-16	4						
Surrogate: 1-Chlorooctadecane	89.1	% 34.7-15	7						

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	07/24/2017	Sampling Date:	07/24/2017
Reported:	07/24/2017	Sampling Type:	Soil
Project Name:	RUTH CO. SWD	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS		

### Sample ID: D 3 & 4 - RXNM072417 (H701915-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/24/2017	ND	1.65	82.6	2.00	2.20	
Toluene*	<0.050	0.050	07/24/2017	ND	1.82	90.9	2.00	2.55	
Ethylbenzene*	<0.050	0.050	07/24/2017	ND	2.03	101	2.00	2.56	
Total Xylenes*	<0.150	0.150	07/24/2017	ND	6.13	102	6.00	3.15	
Total BTEX	<0.300	0.300	07/24/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 72-148							
TPH 8015M	mg/	kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/24/2017	ND	190	95.0	200	0.548	
DRO >C10-C28	13.6	10.0	07/24/2017	ND	199	99.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	07/24/2017	ND					
Surrogate: 1-Chlorooctane	85.3	28.3-16	4						
Surrogate: 1-Chlorooctadecane	88.2	% 34.7-15	-						

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

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

### Cardinal Laboratories

### \*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 6 of 7

envice. In one send and Cardinal be basis for incidence of consequential dramages, including without limitation around withing and increased by Cardinal within 30 days after completions of the applicable     regiment of or related to the performance of anonyme to complete the performance of anonyme to anonyme to anonyme to complete the performance of anonyme to anonyme to anonyme to anonyme to anonyme to anonyme to anonyme the performance of anonyme to complete the performance of anonyme to anonyme the performance	PLEASE NOTE: Lubbity and Damages. Cardinal's labitity and client's enclaive remedy for any claim artising whether based in constant to both shall be limited to the amount paid by the client for the labitity and be limited to the amount paid by the client for the	£ ¥ *	13 344 - REAM 072417 x	TPH	R MATRIX	JACOB MICKLE Fax #:	Project Location: State: Zip:	>	City: State: Zip: Attn:	Christ Christ		01 East Marland, Hobbs, NM 88240 575) 393-2326 FAX (575) 393-2476	Laboratories	CARDINAL
91: B1: B1: B1: B1: B1: B1: B1: B	amount pad by the client for the	14 **	10:00 1	TIME TPH		tendi					LTO ANALYSIS REQUEST			

			Labs		DATE	24-Jul	24-Jul	24-Jul	24-Jul
			: Cardinal		втех		-	ı	I
			Laboratory: Cardinal Labs		300.0	43.3 ppm	68.4 ppm	21.8 ppm	79.7 ppm
			8/04/17	Results	CELL	A	A	A	A
1RP-4572-0	RXSOIL, INC.	Ruth Co. SWD	Received: 08/04/17	Post Remediation: Data Results	Type	COMP	COMP	COMP	COMP
	H	R	Sent: 07/24/17	Post Reme	Lab ID Sample	AR1-A-RXNM072417	AR1-B-RXNM072417	AR1-C-RXNM072417	AR1-D-RXNM072417
					Sample	#1	#2	#3	#4



August 04, 2017

JACOB MICKLE RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH, TX 76102

RE: RUTH CO. SWD

Enclosed are the results of analyses for samples received by the laboratory on 07/26/17 10:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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. Keine

Celey D. Keene Lab Director/Quality Manager



H701945-03

H701945-04

26-Jul-17 10:25

26-Jul-17 10:25

24-Jul-17 10:00

24-Jul-17 10:00

### Analytical Results For:

RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102		oject Number:	JACOB MICKLE	Reported: 04-Aug-17 17:45	
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	
AR1-A-RXNM072417	H701945-01	Soil	24-Jul-17 10:00	26-Jul-17 10:25	
AR1-B-RXNM072417	H701945-02	Soil	24-Jul-17 10:00	26-Jul-17 10:25	

Soil

Soil

### **Cardinal Laboratories**

AR1-C-RXNM072417

AR1-D-RXNM072417

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whitstoewer shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based to reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102	Project: Project Number: Project Manager: Fax To:			nber: N ager: J,	JACOB MICKLE				Reported: 04-Aug-17 17:45			
AR1-A-RXNM072417 H701945-01 (Soil)												
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
Green Analytical Laboratories												
Soluble (DI Water Extraction)												
Chloride	43.3		10.0	mg/kg w	ret 10	B707240	JDA	04-Aug-17	EPA300.0			

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102			Project Nu Project Mar	mber: NC	COB MICKLE			0	Reported: 14-Aug-17 17	′:45		
				-RXNM( 1945-02 (S								
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
	Green Analytical Laboratories											
Soluble (DI Water Extraction)												
Chloride	68.4		10.0	mg/kg we	t 10	B707239	JDA	04-Aug-17	EPA300.0			

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102			Project Nu Project Mar	mber: N	UTH CO. SWI ONE GIVEN ACOB MICKLE A			0	Reported: 14-Aug-17 17	2:45		
				C-RXNM 1945-03 (	• • - • - •							
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
	Green Analytical Laboratories											
Soluble (DI Water Extraction)												
Chloride	21.8		10.0	mg/kg w	et 10	B707239	JDA	04-Aug-17	EPA300.0			

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102			Project Nu Project Mar	mber: NC	COB MICKLE			0	Reported: 14-Aug-17 17	:45
				-RXNM0 1945-04 (S						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Green Ana	lytical La	boratories					
Soluble (DI Water Extraction)										
Chloride	79.7		10.0	mg/kg wet	10	B707239	JDA	04-Aug-17	EPA300.0	

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102	Project: Project Number: Project Manager: Fax To:	JACOB MICKLE	Reported: 04-Aug-17 17:45
---	--	--------------	------------------------------

### Soluble (DI Water Extraction) - Quality Control

### **Green Analytical Laboratories**

			•							
		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B707239 - General Prep - Wet Chem										
Blank (B707239-BLK1)				Prepared:	31-Jul-17 A	nalyzed: 03	3-Aug-17			
Chloride	ND	10.0	mg/kg wet							
LCS (B707239-BS1)				Prepared:	31-Jul-17 A	nalyzed: 03	3-Aug-17			
Chloride	232	10.0	mg/kg wet	250		92.9	85-115			
LCS Dup (B707239-BSD1)				Prepared:	31-Jul-17 A	nalyzed: 03	3-Aug-17			
Chloride	232	10.0	mg/kg wet	250		92.8	85-115	0.0990	20	
Batch B707240 - General Prep - Wet Chem										
Blank (B707240-BLK1)				Prepared:	31-Jul-17 A	nalyzed: 04	4-Aug-17			
Chloride	ND	10.0	mg/kg wet							
LCS (B707240-BS1)				Prepared:	31-Jul-17 A	nalyzed: 04	4-Aug-17			
Chloride	237	10.0	mg/kg wet	250		94.7	85-115			
LCS Dup (B707240-BSD1)				Prepared:	31-Jul-17 A	nalyzed: 04	I-Aug-17			
Chloride	236	10.0	mg/kg wet	250		94.5	85-115	0.178	20	

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

- ND
   Analyte NOT DETECTED at or above the reporting limit

   RPD
   Relative Percent Difference

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

   \*\*\*
   Insufficient time to reach temperature.
- Chloride by SM4500CI-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

### Cardinal Laboratories

### \*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

(57:	(5/5) 393-2326 FAX (5/5) 393-24/8		RILL TO		ANALYSIS RE	REQUEST
Project Manager: 1	THOR MEILLE		P.O. #:			
Address:			Company:			
Citv:	State:	Zip:	Attn:			
e #:	210-853-7645 Fax #:		Address:			
			City:	-5)		
Project Name: RUTH	Co-SUD		State: Zip:	7.6		
•	- 14		Phone #:	lor		
molor Name	THOR MILLLE		Fax #:	ch		
FOR LAB USE DIALY	1 11 10	MATRIX	PRESERV. SAMPLING			
Lab I.D.	Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER : ACID/BASE: ICE / COOL OTHER : DATE	TIME		
110	TKI - A- KNMOZZHIZ	1		10:00 X		
02 A	+1+++ -13 - KANNO- 1+	1 7		x		
N EN	KI - KINDTHIT		4	×		
640	THE OMINY - D - LA		4			
EASE WOTE: Liability and Damages. Cardinalyses. All claims including those for regipe	als lability and clien noe and any other ca	ts exclusive remedy for any claim areing whether based in contract or ford, shall be limited to the amount paid by the client for the super whathoever shall be deemed valved unless made in writing and raceived by Cardinal within 30 days after considerion of the a work demances. Including without imation, basices interplopions, loss of use, or loss of profes incurred by client, its subaidiaries	t or fort, shall be limited to the amount to discovered by Cardinal within 30 days a loss of use, or loss of profile incurred b	rit pad by the client for the rs after completion of the applicable ed by client, its subsidiaries,		
Relinguished By:	In the performance o	The Contrast regardless of America Autor Caluma is to The Contrast of the Co	a based upon any or the source saudo	Phone Result: 2 Yes Fax Result: 2 Yes REMARKS:	No Add'l Phone #:	
		Received By				
Delivered By: (Circle One)			tion CHECKED BY:			

Page 9 of 9

## Laboratories

			Labs		DATE	24-Jul	24-Jul	24-Jul	24-Jul
			: Cardinal		BTEX	-	-	-	I
			Laboratory: Cardinal Labs		300.0	158 ppm	26.5 ppm	24.3 ppm	68.5 ppm
			8/04/17	Results	CELL	В	В	В	В
1RP-4572-0	RXSOIL, INC.	Ruth Co. SWD	Received: 08/04/17	Post Remediation: Data Results	Type	COMP	COMP	COMP	COMP
		H	Sent: 07/24/17	Post Rem	Lab ID Sample	BR1-A-RXNM072417	BR1-B-RXNM072417	BR1-C-RXNM072417	BR1-D-RXNM072417
					Sample	#1	#2	#3	#4



August 04, 2017

JACOB MICKLE RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH, TX 76102

RE: RUTH CO. SWD

Enclosed are the results of analyses for samples received by the laboratory on 07/26/17 10:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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. Keine

Celey D. Keene Lab Director/Quality Manager



26-Jul-17 10:25

24-Jul-17 10:00

### Analytical Results For:

RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102		oject Number:	JACOB MICKLE	Reported: 04-Aug-17 16:44
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BR1-A-RXNM072417	H701946-01	Soil	24-Jul-17 10:00	26-Jul-17 10:25
BR1-B-RXNM072417	H701946-02	Soil	24-Jul-17 10:00	26-Jul-17 10:25
BR1-C-RXNM072417	H701946-03	Soil	24-Jul-17 10:00	26-Jul-17 10:25

Soil

H701946-04

### Cardinal Laboratories

BR1-D-RXNM072417

### \*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102			Project Nui Project Mar	mber: N	UTH CO. SWI ONE GIVEN ACOB MICKLE A			0	Reported: 4-Aug-17 16	:44		
				-RXNM 1946-01 (								
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
	Green Analytical Laboratories											
Soluble (DI Water Extraction)												
Chloride	158		10.0	mg/kg w	et 10	B707240	JDA	04-Aug-17	EPA300.0			

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102			Project Nur Project Man	mber: N	JTH CO. SWE ONE GIVEN ACOB MICKLE A			0	Reported: 14-Aug-17 16	:44		
				-RXNM( 1946-02 (\$								
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
	Green Analytical Laboratories											
Soluble (DI Water Extraction)												
Chloride	26.5		10.0	mg/kg we	et 10	B707240	JDA	04-Aug-17	EPA300.0			

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102			Project Nu Project Mar	mber: NO	JTH CO. SWI DNE GIVEN COB MICKLE			0	Reported: 14-Aug-17 16	5:44
BR1-C-RXNM072417 H701946-03 (Soil)										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Green Analytical Laboratories										
Soluble (DI Water Extraction)										
Chloride	24.3		10.0	mg/kg we	et 10	B707240	JDA	04-Aug-17	EPA300.0	

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102			Project Nu Project Mai	mber: NC	COB MICKLE			0	Reported: 4-Aug-17 16	:44
BR1-D-RXNM072417 H701946-04 (Soil)										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Green Analytical Laboratories										
Soluble (DI Water Extraction)										
Chloride	68.5		10.0	mg/kg wet	10	B707240	JDA	04-Aug-17	EPA300.0	

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102	Project: RUTH CO. SWD Project Number: NONE GIVEN Project Manager: JACOB MICKLE Fax To: NA	Reported: 04-Aug-17 16:44
---	--	------------------------------

### Soluble (DI Water Extraction) - Quality Control

### **Green Analytical Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B707240 - General Prep - Wet Chem										
Blank (B707240-BLK1)				Prepared: 3	31-Jul-17 A	nalyzed: 04	-Aug-17			
Chloride	ND	10.0	mg/kg wet							
LCS (B707240-BS1)				Prepared: 3	31-Jul-17 A	nalyzed: 04	-Aug-17			
Chloride	237	10.0	mg/kg wet	250		94.7	85-115			
LCS Dup (B707240-BSD1)				Prepared: 3	31-Jul-17 A	nalyzed: 04	-Aug-17			
Chloride	236	10.0	mg/kg wet	250		94.5	85-115	0.178	20	

### **Cardinal Laboratories**

### \*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

- ND
   Analyte NOT DETECTED at or above the reporting limit

   RPD
   Relative Percent Difference

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

   \*\*\*
   Insufficient time to reach temperature.
- Chloride by SM4500CI-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

### Cardinal Laboratories

### \*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

2	
Lat	CA
bora	RD
ator	Z
IPS	AL

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	-		BILL TO				
Project Manager:	Jour Mickle		P.O. #:		-	ANALISIS REQUEST	
Address:			Company:				
City:	State:	Zip:	Attn:				
Phone #: 2/0	Phone #: 210 - 853-7645 Fax #:		Address:		)		
Project #:	Project Owner:	a	City:				
Project Name: /	Ruth Co. SWD		State: Zip:		ric		
Project Location:			*		0.		
Sampler Name:	Jacob Mickle		Fax #:		<i>L</i>		
FOR LAB USE ONLY		MATRIX	PRESERV SAMPLING		0		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE		TIME	300.0 (		
-	7-7	×.	1	10:00	x		
52	BRI - B - RXNMOTZYIT	R		1 2	2		
25	BRI-C-RXNNOTAHT	x		-	8		
	SRI-D-RXNMOTZ417	×	ŧ	t	X		
PLEASE NOTE: Liability and analyses. All claims including service. In no event shall Care affiliates or successors arising	PLEASE NOTE: Lability and Damages. Cardinal's lability and clenit's exclusive remedy for any claim areing whether based in contract or bot shall be limited to the amount paid by the clenit for the analyses. All claims including those for negligence and any other cause whatboever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without immation, toxiness therruptions, loss of uses of polits incurned by clenit, its subcleaves, arailiates or successors attempt out of or related to the performance of services between by Cardinal whether you'n clean is based upon any of the above stated reasons or observate.	ry claim arising whether based in contrast or fort, shall be limited to feetned waived unless made in writing and received by C addinal wi without initiation, touiness therruptions, loss of use, or loss of pay writinus, regardless of whether pduch claim is based upon any of the	or tort, shall be limited to the amount pa treceived by Cardinal within 30 days atto pass of use, or loss of profits incurred by based upon any of the above stated re	aid by the client for the er completion of the ag client, its subsidiaries, sasons or otherwise.	pplicable		
Relinquistrent By	- AM- 1102/24/17	Received By:	A.C	Phone Result: Fax Result: REMARKS:	□ Yes □ No □ Yes □ No	Add'l Phone #: Add'l Fax #:	
	Time:	0					

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

. 75°C

Sample Condition Cool Intact Yes Yes No No No

102

0

CHECKED BY: (Initials)

Sampler - UPS - Bus - Other: Corrulal

6

40.25

Delivered By: (Circle One)

Page 9 of 9

			abs		DATE	7-Aug	7-Aug	7-Aug	7-Aug
			Laboratory: Cardinal Labs		втех	592.6mg/kg <0.300mg/kg	<0.300mg/kg	463.0mg/kg <0.300mg/kg	360.0mg/kg <0.300mg/kg
			Labora		ТРН	592.6mg/kg	33.1mg/kg	463.0mg/kg	360.0mg/kg
			38/17	Results	CELL	A	A	А	A
1RP-4572-0	RXSOIL, INC.	Ruth Co. SWD	Received: 08/08/17	Post Remediation: Data Results	Type	DISCRETE	DISCRETE	DISCRETE	DISCRETE
			Sent: 08/07/17	Post R	Lab ID Sample	A-S-RXNM080717	B-1'-RXNM080717	C-2'-RXNM080717	D-3'-RXNM080717
					Sample	#1	#2	#3	#4

LEDGEND SURFACE	1 Foot	2 foot	3 foot	
--------------------	--------	--------	--------	--



August 08, 2017

JACOB MICKLE RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH, TX 76102

RE: RUTH CO. SWD

Enclosed are the results of analyses for samples received by the laboratory on 08/07/17 8:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	08/07/2017	Sampling Date:	08/06/2017
Reported:	08/08/2017	Sampling Type:	Soil
Project Name:	RUTH CO. SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	HOBBS		

### Sample ID: A-S RXNM080717 (H702056-01)

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	08/08/2017	ND	1.84	92.1	2.00	1.63	
Toluene*	<0.050	0.050	08/08/2017	ND	1.73	86.5	2.00	2.07	
Ethylbenzene*	<0.050	0.050	08/08/2017	ND	1.79	89.5	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/08/2017	ND	5.34	89.0	6.00	1.37	
Total BTEX	<0.300	0.300	08/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	6 72-148	,						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/08/2017	ND	171	85.5	200	1.47	
DRO >C10-C28	501	10.0	08/08/2017	ND	177	88.4	200	3.59	
EXT DRO >C28-C36	91.6	10.0	08/08/2017	ND					
Surrogate: 1-Chlorooctane	68.1 9	28.3-16	1						
0	00.1 /	20.5-10	7						

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/07/2017	Sampling Date:	08/06/2017
Reported:	08/08/2017	Sampling Type:	Soil
Project Name:	RUTH CO. SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	HOBBS		

### Sample ID: B-1' RXNM080717 (H702056-02)

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	08/08/2017	ND	1.84	92.1	2.00	1.63	
Toluene*	<0.050	0.050	08/08/2017	ND	1.73	86.5	2.00	2.07	
Ethylbenzene*	<0.050	0.050	08/08/2017	ND	1.79	89.5	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/08/2017	ND	5.34	89.0	6.00	1.37	
Total BTEX	<0.300	0.300	08/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 72-148	,						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/08/2017	ND	171	85.5	200	1.47	
DRO >C10-C28	23.0	10.0	08/08/2017	ND	177	88.4	200	3.59	
EXT DRO >C28-C36	10.1	10.0	08/08/2017	ND					
Surrogate: 1-Chlorooctane	89.0	28.3-16	4						
Surrogate: 1-Chlorooctadecane	87.8	% 34.7-15	7						

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/07/2017	Sampling Date:	08/06/2017
Reported:	08/08/2017	Sampling Type:	Soil
Project Name:	RUTH CO. SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	HOBBS		

### Sample ID: C-2' RXNM080717 (H702056-03)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2017	ND	1.84	92.1	2.00	1.63	
Toluene*	<0.050	0.050	08/08/2017	ND	1.73	86.5	2.00	2.07	
Ethylbenzene*	<0.050	0.050	08/08/2017	ND	1.79	89.5	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/08/2017	ND	5.34	89.0	6.00	1.37	
Total BTEX	<0.300	0.300	08/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 %	6 72-148							
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/08/2017	ND	171	85.5	200	1.47	
DRO >C10-C28	262	10.0	08/08/2017	ND	177	88.4	200	3.59	
EXT DRO >C28-C36	174	10.0	08/08/2017	ND					
EXT DRO >C28-C36 Surrogate: 1-Chlorooctane	<b>174</b> 68.8 %			ND					

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/07/2017	Sampling Date:	08/06/2017
Reported:	08/08/2017	Sampling Type:	Soil
Project Name:	RUTH CO. SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	HOBBS		

### Sample ID: D-3' RXNM080717 (H702056-04)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/08/2017	ND	1.84	92.1	2.00	1.63	
Toluene*	<0.050	0.050	08/08/2017	ND	1.73	86.5	2.00	2.07	
Ethylbenzene*	<0.050	0.050	08/08/2017	ND	1.79	89.5	2.00	1.29	
Total Xylenes*	<0.150	0.150	08/08/2017	ND	5.34	89.0	6.00	1.37	
Total BTEX	<0.300	0.300	08/08/2017	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 %	% 72-148	2						
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/08/2017	ND	171	85.5	200	1.47	
DRO >C10-C28	209	10.0	08/08/2017	ND	177	88.4	200	3.59	
EXT DRO >C28-C36	151	10.0	08/08/2017	ND					
Surrogate: 1-Chlorooctane	78.1 9	28.3-16	4						
Surrogate: 1-Chlorooctadecane	78.8 9	% 34.7-15							

### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



### **Notes and Definitions**

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

### Cardinal Laboratories

### \*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 6 of 7

Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

company name:	ITOSAN :		BILL TO			ANALYSIS REQUEST	
Project Manager:	a		P.O. #:	_			-
Address:			Company:		_		_
city:	State:	Zip:	Attn:		_		-
Phone #: 20 -	-855-7645 Fax #:		Address:				
Project #:		er:	City:	)			
Project Name: KUTH	La SWD		State: Zip:	ED			
Project Location:			Phone #:	VP			
Sampler Name:	JACOB MILLE		Fax #:	TEI			_
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING				
Lab I.D.	Sample I.D.	AB OR (C)OMP NTAINERS UNDWATER TEWATER	ER : /BASE: COOL	TPH (E	BTEX		
H 702056	6	# CO	OTHE	TIME	Ŀ		_
	A-S-ROMMOSOTIT	×	0	2	×		
2	212080 WWY - 1 - SI	1	-	-	K		
CU.	5-2 RKNM 08-6717	x	-	ĸ	x		
4	D-3 RKNM 1807 17	×	V	X	×		
PLEASE NOTE: Liability an	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arking whether based in contract or tort, shall be limited to the amount paid by the client for the	any claim arising whether based in contrac	or fort, shall be limited to the amount p	aid by the client for the			
service. In no event shall Ca affiliates or successors arisin Relingui/Shad Ru	2.6	s, including without limitation, business interruptions, loss of use, or loss of prof. under by Casidinal, regardless of whether such claim is based upon any of the a	loas of use, or loas of profits incurred by the based upon any of the above stated r	ecildd			
Polynoviishod By	1111 Hon 1111111111111111111111111111111	Received By:	allater	Phone Result: Fax Result: REMARKS:	□ Yes □ No	Add'l Phone #: Add'l Fax #:	
Keiinguisned By:		Received By:		5	TO'L MSH		
Sampler LIDS Bue Other	(Circle One) 2.32	Sample Condition Cool Intact					
	Complete 2.550		Att of				

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

			al Labs		DATE	7-Aug									
			Laboratory: Cardinal Labs		втех	I	ı	1	ı	ı	ı	I	1	I	I
			Laborato		300.0	40.7mg/kg	25.2mg/kg	21.5mg/kg	36.9mg/kg	24.6mg/kg	21.6mg/kg	29.9mg/kg	27.5mg/kg	26.5mg/kg	22.0mg/kg
			38/17	ilts	CELL	А	А	А	A	A	A	А	А	А	A
1RP-4572-0	RXSOIL, INC.	Ruth Co. SWD	Received: 08/08/17	Post Remediation: Data Results	Type	DISCRETE									
	F	R	Sent: 08/07/17	Post Reme	Lab ID Sample	AR2-A-RXNM080717	AR2-B-RXNM080717	AR2-C-RXNM080717	AR2-D-RXNM080717	AR2-E-RXNM080717	AR2-F-RXNM080717	AR2-G-RXNM080717	AR2-H-RXNM080717	AR2-I-RXNM080717	AR2-J-RXNM080717
					Sample	#1	#2	#3	#4	#5	#6	#7	#8	6#	#10

LEDGEND	SURFACE	1 Foot	2 foot	3 foot	
---------	---------	--------	--------	--------	--



August 17, 2017

JACOB MICKLE RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH, TX 76102

RE: RUTH CO. SWD

Enclosed are the results of analyses for samples received by the laboratory on 08/07/17 8:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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. Keine

Celey D. Keene Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102	Project: Project Number: Project Manager: Fax To:	JACOB MICKLE	Reported: 17-Aug-17 11:53
---	--	--------------	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
AR2- A -RXNM080717	H702059-01	Soil	06-Aug-17 11:15	07-Aug-17 08:40
AR2- B -RXNM080717	H702059-02	Soil	06-Aug-17 11:15	07-Aug-17 08:40
AR2- C -RXNM080717	H702059-03	Soil	06-Aug-17 11:15	07-Aug-17 08:40
AR2- D -RXNM080717	H702059-04	Soil	06-Aug-17 11:15	07-Aug-17 08:40
AR2- E-RXNM080717	H702059-05	Soil	06-Aug-17 11:15	07-Aug-17 08:40
AR2- F-RXNM080717	H702059-06	Soil	06-Aug-17 11:15	07-Aug-17 08:40
AR2- G -RXNM080717	H702059-07	Soil	06-Aug-17 11:15	07-Aug-17 08:40
AR2- H -RXNM080717	H702059-08	Soil	06-Aug-17 11:15	07-Aug-17 08:40
AR2- I-RXNM080717	H702059-09	Soil	06-Aug-17 11:15	07-Aug-17 08:40
AR2- J-RXNM080717	H702059-10	Soil	06-Aug-17 11:15	07-Aug-17 08:40

### **Cardinal Laboratories**

\*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102	mber: NC	ith co. Swi Dne given Cob Mickle			1	Reported: 7-Aug-17 11:	53					
AR2- A -RXNM080717 H702059-01 (Soil)												
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes		
			Green Ana	lytical La	boratories							
Soluble (DI Water Extraction)												
Chloride	40.7		10.0	mg/kg we	t 10	B708102	JDA	15-Aug-17	EPA300.0			

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102	IAIN STREET, SUITE 1360 Project Number: NONE GIVEN 17-Aug-17 11							53			
AR2- B -RXNM080717 H702059-02 (Soil)											
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Green Ana	lytical Lab	oratories						
Soluble (DI Water Extraction)											
Chloride	25.2		10.0	mg/kg wet	10	B708102	JDA	15-Aug-17	EPA300.0		

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 136 FORT WORTH TX, 76102	IN STREET, SUITE 1360 Project Number:							1	Reported: 7-Aug-17 11	:53	
AR2- C -RXNM080717 H702059-03 (Soil)											
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Green Ana	lytical Lab	oratories						
Soluble (DI Water Extraction)											
Chloride	21.5		10.0	mg/kg wet	10	B708102	JDA	15-Aug-17	EPA300.0		

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC.Project:RUTH CO. SWD201 MAIN STREET, SUITE 1360Project Number:NONE GIVENFORT WORTH TX, 76102Project Manager:JACOB MICKLEFax To:NA								1	Reported: 7-Aug-17 11	:53	
AR2- D -RXNM080717 H702059-04 (Soil)											
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Green Ana	lytical Lat	ooratories						
Soluble (DI Water Extraction)											
Chloride	36.9		10.0	mg/kg wet	10	B708102	JDA	15-Aug-17	EPA300.0		

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102	MAIN STREET, SUITE 1360 Project Number: NONE GIVEN 17-Aug-1							Reported: 7-Aug-17 11:	53		
AR2- E -RXNM080717 H702059-05 (Soil)											
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Green Ana	lytical Lab	oratories						
Soluble (DI Water Extraction)											
Chloride	24.6		10.0	mg/kg wet	10	B708102	JDA	15-Aug-17	EPA300.0		

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 136 FORT WORTH TX, 76102	201 MAIN STREET, SUITE 1360Project Number: NONE GIVEN17-Aug-17 11:5							:53		
				7 -RXNM0 2059-06 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Green Ana	lytical Lab	oratories					
Soluble (DI Water Extraction)										
Chloride	21.6		10.0	mg/kg wet	10	B708102	JDA	15-Aug-17	EPA300.0	

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102	D1 MAIN STREET, SUITE 1360Project Number: NONE GIVEN17-Aug-17 11							:53		
				5 -RXNM 2059-07 (S						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Green Ana	lytical Lab	ooratories					
Soluble (DI Water Extraction)										
Chloride	29.9		10.0	mg/kg wet	10	B708102	JDA	15-Aug-17	EPA300.0	

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102	MAIN STREET, SUITE 1360 Project Number							1	Reported: 7-Aug-17 11	:53	
AR2- H -RXNM080717 H702059-08 (Soil)											
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Green Ana	lytical Lab	oratories						
Soluble (DI Water Extraction)											
Chloride	27.5		10.0	mg/kg wet	10	B708102	JDA	15-Aug-17	EPA300.0		

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102			Project Nu Project Mar	roject: RUT mber: NOI nager: JAC ax To: NA	NE GIVEN			1	Reported: 7-Aug-17 11	:53	
AR2- I -RXNM080717 H702059-09 (Soil)											
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Green Ana	lytical Lab	oratories						
Soluble (DI Water Extraction)											
Chloride	26.5		10.0	mg/kg wet	10	B708102	JDA	15-Aug-17	EPA300.0		

### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager


RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102			Project Nu Project Mai	roject: RU <sup>-</sup> Imber: NO nager: JAC ax To: NA	NE GIVEN			1	Reported: 7-Aug-17 11	:53
AR2- J -RXNM080717 H702059-10 (Soil)										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
	Green Analytical Laboratories									
Soluble (DI Water Extraction)										
Chloride	22.0		10.0	mg/kg wet	10	B708102	JDA	15-Aug-17	EPA300.0	

#### **Cardinal Laboratories**

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102	Project: Project Number: Project Manager: Fax To:	JACOB MICKLE	Reported: 17-Aug-17 11:53
---	--	--------------	------------------------------

# Soluble (DI Water Extraction) - Quality Control

# **Green Analytical Laboratories**

Analyta	Decult	Reporting	Units	Spike	Source	%REC	%REC Limits	RPD	RPD Limit	Notos
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	KPD	Limit	Notes
Batch B708102 - General Prep - Wet Chem										
Blank (B708102-BLK1)				Prepared &	Analyzed:	14-Aug-17				
Chloride	ND	10.0	mg/kg wet							
LCS (B708102-BS1)				Prepared &	Analyzed:	14-Aug-17				
Chloride	236	10.0	mg/kg wet	250		94.4	85-115			
LCS Dup (B708102-BSD1)				Prepared &	Analyzed:	14-Aug-17				
Chloride	235	10.0	mg/kg wet	250		94.1	85-115	0.250	20	

#### **Cardinal Laboratories**

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

- ND
   Analyte NOT DETECTED at or above the reporting limit

   RPD
   Relative Percent Difference

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

   \*\*\*
   Insufficient time to reach temperature.
- Chloride by SM4500CI-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

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

Celeg D. Keine

101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 Company Name:		
Project Manager:	P.O. #:	ANALYSIS REQUEST
Address:	Company:	
2		
Phone #: 210-853-7245 Fax #:	Address:	
*	City:	
Project Name: KN/H ( o. SWI)	State: Zip:	
Project Location:	#	
Sampler Name: JACOB MICKLE	Fax#:	
FOR LAB USE ONLY	P. MATRIX PRESERV SAMPLING	
Lab I.D. Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE	
1 AR2 - A- RX/M080717	x ····································	
AR2-3-		
1		
1		
1		
1 4 2 2 4 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1		
9 AK2-I- N		
10 AR2 - J	V V	
U Damages. Cardinalts liability and client's exclusive rem ) those for negligence and any other cause whatboever othat be liable for incidential or consequential damages. 2 gul of or related to the performance of services here:re- 1 gul of or related to the performance of services.	o the amount paid by thin 30 days after co offs incurred by clien	
Relinguished By:	Received By: Phone Result: Yes Received By: Killer Control of the second	□ No Add'I Phone #: □ No Add'I Fax #:
Time:		

Page 15 of 15

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

			ıl Labs		DATE	7-Aug	7-Aug	7-Aug	7-Aug	7-Aug	7-Aug	7-Aug	7-Aug	7-Aug	7-Aug	
			y: Cardina		BTEX	-		ı	ı	-		ı		I	1	
	Laboratory: Cardinal Labs		300.0	38.9mg/kg	24.0mg/kg	380.0mg/kg	22.0mg/kg	36.5mg/kg	93.2mg/kg	55.0mg/kg	27.0mg/kg	25.6mg/kg	1340mg/kg			
			s/08/17 sults	08/17	ılts	CELL	В	В	В	В	В	В	В	В	В	В
1RP-4572-0	RXSOIL, INC.	Ruth Co. SWD	Received: 08/08/17	diation: Data Resu	Type	DISCRETE	DISCRETE	DISCRETE	DISCRETE	DISCRETE	DISCRETE	DISCRETE	DISCRETE	DISCRETE	DISCRETE	
1	R	Ru	Sent: 08/07/17 Received: 08/08/ Post Remediation: Data Results		Post Reme	Lab ID Sample	BR2-A-RXNM080717	BR2-B-RXNM080717	BR2-C-RXNM080717	BR2-D-RXNM080717	BR2-E-RXNM080717	BR2-F-RXNM080717	BR2-G-RXNM080717	BR2-H-RXNM080717	BR2-I-RXNM080717	BR2-J-RXNM080717
					Sample	#1	#2	#3	#4	#5	9#	#7	#8	6#	#10	

LEDGEND SURFACE	1 Foot	2 foot	3 foot	
--------------------	--------	--------	--------	--



August 17, 2017

JACOB MICKLE RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH, TX 76102

RE: RUTH CO. SWD

Enclosed are the results of analyses for samples received by the laboratory on 08/07/17 8:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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. Keine

Celey D. Keene Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102	Project: Project Number: Project Manager: Fax To:	JACOB MICKLE	Reported: 17-Aug-17 17:18
---	--	--------------	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
BR2- A -RXNM080617	H702060-01	Soil	06-Aug-17 12:15	07-Aug-17 08:40
BR2- B -RXNM080617	H702060-02	Soil	06-Aug-17 12:15	07-Aug-17 08:40
BR2- C -RXNM080617	H702060-03	Soil	06-Aug-17 12:15	07-Aug-17 08:40
BR2- D -RXNM080617	H702060-04	Soil	06-Aug-17 12:15	07-Aug-17 08:40
BR2- E -RXNM080617	H702060-05	Soil	06-Aug-17 12:15	07-Aug-17 08:40
BR2- F-RXNM080617	H702060-06	Soil	06-Aug-17 12:15	07-Aug-17 08:40
BR2- G -RXNM080617	H702060-07	Soil	06-Aug-17 12:15	07-Aug-17 08:40
BR2- H -RXNM080617	H702060-08	Soil	06-Aug-17 12:15	07-Aug-17 08:40
BR2- I -RXNM080617	H702060-09	Soil	06-Aug-17 12:15	07-Aug-17 08:40
BR2- J-RXNM080617	H702060-10	Soil	06-Aug-17 12:15	07-Aug-17 08:40

#### **Cardinal Laboratories**

\*=Accredited Analyte

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



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102			Project Nur Project Man	mber: N	UTH CO. SWI ONE GIVEN ACOB MICKLE A			1	Reported: 7-Aug-17 17	:18
BR2- A -RXNM080617 H702060-01 (Soil)										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
	Green Analytical Laboratories									
Soluble (DI Water Extraction)										
Chloride	38.9		10.0	mg/kg w	et 10	B708103	JDA	16-Aug-17	EPA300.0	

# **Cardinal Laboratories**

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 136 FORT WORTH TX, 76102	0		Project Nu Project Mai	roject: RUT mber: NON nager: JACo ax To: NA	IE GIVEN			1	Reported: 7-Aug-17 17:	18
BR2- B -RXNM080617 H702060-02 (Soil)										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Green Ana	alytical Lab	oratories					
Soluble (DI Water Extraction)										
Chloride	24.0		10.0	mg/kg wet	10	B708103	JDA	16-Aug-17	EPA300.0	

#### **Cardinal Laboratories**

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 136 FORT WORTH TX, 76102	0		Project Nu Project Mar	mber: NO	COB MICKLE			1	Reported: 7-Aug-17 17	7:18
BR2- C -RXNM080617 H702060-03 (Soil)										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Green Ana	lytical Lat	ooratories					
Soluble (DI Water Extraction)										
Chloride	380		10.0	mg/kg wet	10	B708103	JDA	16-Aug-17	EPA300.0	

#### **Cardinal Laboratories**

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 136 FORT WORTH TX, 76102	0		Project Nu Project Mar	mber: NO				1	Reported: 7-Aug-17 17	:18
BR2- D -RXNM080617 H702060-04 (Soil)										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Green Ana	lytical Lab	oratories					
Soluble (DI Water Extraction)										
Chloride	22.0		10.0	mg/kg wet	10	B708103	JDA	16-Aug-17	EPA300.0	

#### **Cardinal Laboratories**

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102		Project Nu Project Mai	roject: RUT mber: NON nager: JAC ax To: NA	IE GIVEN			1	Reported: 7-Aug-17 17:	18	
BR2- E -RXNM080617 H702060-05 (Soil)										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Green Analytical Laboratories										
Soluble (DI Water Extraction)										
Chloride	36.5		10.0	mg/kg wet	10	B708103	JDA	16-Aug-17	EPA300.0	

#### **Cardinal Laboratories**

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102	)		Project Nu Project Mar	mber: NO	COB MICKLE			1	Reported: 7-Aug-17 17	ː18
BR2- F -RXNM080617 H702060-06 (Soil)										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Green Ana	lytical Lat	ooratories					
Soluble (DI Water Extraction)										
Chloride	93.2		10.0	mg/kg wet	10	B708103	JDA	16-Aug-17	EPA300.0	

#### **Cardinal Laboratories**

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 136 FORT WORTH TX, 76102	0		Project Nu Project Mar	mber: NOI				1	Reported: 7-Aug-17 17	':18
BR2- G -RXNM080617 H702060-07 (Soil)										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Green Ana	lytical Lab	oratories					
Soluble (DI Water Extraction)										
Chloride	55.0		10.0	mg/kg wet	10	B708103	JDA	16-Aug-17	EPA300.0	

#### **Cardinal Laboratories**

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 136 FORT WORTH TX, 76102	roject: RUT mber: NON nager: JACo ax To: NA	IE GIVEN			1	Reported: 7-Aug-17 17:	:18			
BR2- H -RXNM080617 H702060-08 (Soil)										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Green Analytical Laboratories										
Soluble (DI Water Extraction)										
Chloride	27.0		10.0	mg/kg wet	10	B708103	JDA	16-Aug-17	EPA300.0	

#### **Cardinal Laboratories**

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102			Project Nu Project Mar	mber: NC	COB MICKLE			1	Reported: 7-Aug-17 17	:18
BR2- I -RXNM080617 H702060-09 (Soil)										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
Green Analytical Laboratories										
Soluble (DI Water Extraction)										
Chloride	25.6		10.0	mg/kg wet	10	B708103	JDA	16-Aug-17	EPA300.0	

#### **Cardinal Laboratories**

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 136 FORT WORTH TX, 76102	0		Project Nu Project Mai	roject: RUT Imber: NON nager: JACC ax To: NA	IE GIVEN			1	Reported: 17-Aug-17 17:18		
BR2- J -RXNM080617 H702060-10 (Soil)											
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
Green Analytical Laboratories											
Soluble (DI Water Extraction)											
Chloride	1340		50.0	mg/kg wet	50	B708103	JDA	17-Aug-17	EPA300.0		

#### **Cardinal Laboratories**

# \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102	Project: Project Number: Project Manager: Fax To:	JACOB MICKLE	Reported: 17-Aug-17 17:18
---	--	--------------	------------------------------

# Soluble (DI Water Extraction) - Quality Control

# **Green Analytical Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch B708103 - General Prep - Wet Chem										
Blank (B708103-BLK1)				Prepared: 1	14-Aug-17	Analyzed: 1	6-Aug-17			
Chloride	ND	10.0	mg/kg wet							
LCS (B708103-BS1)				Prepared: 1	14-Aug-17	Analyzed: 1	6-Aug-17			
Chloride	239	10.0	mg/kg wet	250		95.4	85-115			
LCS Dup (B708103-BSD1)				Prepared: 1	14-Aug-17	Analyzed: 1	6-Aug-17			
Chloride	237	10.0	mg/kg wet	250		95.0	85-115	0.437	20	

#### **Cardinal Laboratories**

# \*=Accredited Analyte

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



# **Notes and Definitions**

- ND
   Analyte NOT DETECTED at or above the reporting limit

   RPD
   Relative Percent Difference

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

   \*\*\*
   Insufficient time to reach temperature.
- Chloride by SM4500CI-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

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

Celeg D. Keine

Company:	
Zip:	
*	
ESERV. SAMPLING	
DIL DIL DITHER : CID/BASE: CE / COOL THER :	
05/06 1	
V V	
PLCASE NOTE: Liability and Damages. Cardina's lability and client's exclusive remedy for any claim arising whether based in contract or lost, shall be initiation to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatevery shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall cardinal be liable for incidental or consequential damages, including without imitiation, business interruptions, loss of use, or boss of profits incluring by relent, its splicable atfliates of successors attrapp out of or related to the performance of teamines.	
A A A A A A A A A A A A A A A A A A A	No Add'I Phone #: No Add'I Fax #:
Received By:	
WASTEWATER	

Page 15 of 15

Laboratories

tax written changes to (575) 393-2326

APPENDIX C Confirmation Samples

# Area 1

- Bottom samples are marked RED.
- Side Wall samples are marked
   VELOW
- Black square indicates where liner was placed.





# Area 2

- The concrete drain was left in place
- Bottom sample was taken at 4 foot. Liner was placed on bottom



# Area 3

- Bottom samples at 32" were confirmed clean for chlorides and TPH below thresholds.
- As well as side wall sample.



July 24, 2017

JACOB MICKLE RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH, TX 76102

RE: RUTH CO. SWD

Enclosed are the results of analyses for samples received by the laboratory on 07/12/17 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accredited certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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. Keine

Celey D. Keene Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102	Project: Project Number: Project Manager: Fax To:	JACOB MICKLE	Reported: 24-Jul-17 15:59
---	--	--------------	------------------------------

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
R1-A2' BOTTOM-RXNM070917	H701814-01	Soil	12-Jul-17 16:30	12-Jul-17 16:30
R1-A2' S.WRXNM070917	H701814-02	Soil	12-Jul-17 16:30	12-Jul-17 16:30
R1-B3.5' BOTTOM-RXNM071017	H701814-03	Soil	12-Jul-17 16:30	12-Jul-17 16:30
R1-B3.5' S.WRXNM071017	H701814-04	Soil	12-Jul-17 16:30	12-Jul-17 16:30
R1-C2' BOTTOM-RXNM071017	H701814-05	Soil	12-Jul-17 16:30	12-Jul-17 16:30
R1-D1' BOTTOM-RXNM071217	H701814-06	Soil	12-Jul-17 16:30	12-Jul-17 16:30
R1-D1' S.WRXNM071217	H701814-07	Soil	12-Jul-17 16:30	12-Jul-17 16:30

# **Cardinal Laboratories**

# \*=Accredited Analyte

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

Celeg D. Keine



RX-SOIL INC. 201 MAIN STREET, SUITE : FORT WORTH TX, 76102	1360		Pr Project Nu Project Mar Fa	Reported: 24-Jul-17 15:59						
		R	R1-A2' BOT	TOM-RXI	NM07091	7				
			H70	1814-01 (So	il)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardin	nal Laborato	ories					
Inorganic Compounds										
Chloride	768		16.0	mg/kg	4	7071311	AC	13-Jul-17	4500-Cl-B	
			Green Ana	lytical Labo	oratories					
Soluble (DI Water Extraction)	)									
Chloride	687		20.0	mg/kg wet	20	B707153	JDA	21-Jul-17	EPA300.0	

#### **Cardinal Laboratories**

# \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whitstoewer shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based to reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine



RX-SOIL INC. 201 MAIN STREET, SUITH FORT WORTH TX, 76102		Project:RUTH CO. SWDReportedt Number:NONE GIVEN24-Jul-17Manager:JACOB MICKLEFax To:NA						59		
				.WRXNM 01814-02 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardi	nal Laborat	ories					
Inorganic Compounds										
Chloride	272		16.0	mg/kg	4	7071311	AC	13-Jul-17	4500-Cl-B	
			Green Ana	alytical Labo	oratories					
Soluble (DI Water Extractio	on)									
Chloride	133		10.0	mg/kg wet	10	B707153	JDA	20-Jul-17	EPA300.0	

#### **Cardinal Laboratories**

# \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whitstoewer shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based to reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102	)	Project:RUTH CO. SWDReported:Project Number:NONE GIVEN24-Jul-17 15:59Project Manager:JACOB MICKLEFax To:NA									
		R		TTOM-RX )1814-03 (Soi		17					
			Reporting	1014-05 (50)	ш <i>у</i>						
Analyte	Result	MDL	Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardi	nal Laborato	ories						
Inorganic Compounds											
Chloride	800		16.0	mg/kg	4	7071311	AC	13-Jul-17	4500-Cl-B		
			Green Ana	alytical Labo	oratories						
Soluble (DI Water Extraction)											
Chloride	683		20.0	mg/kg wet	20	B707153	JDA	21-Jul-17	EPA300.0		

#### **Cardinal Laboratories**

# \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whitstoewer shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based to reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine



RX-SOIL INC. 201 MAIN STREET, SUITE 136 FORT WORTH TX, 76102	50		Project Nu Project Ma	roject: RUT Imber: NON nager: JACC ax To: NA	E GIVEN		:	Reported: 24-Jul-17 15:59		
				S.WRXNN )1814-04 (So						
			H/0	1814-04 (30	II)					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardi	nal Laborat	ories					
Inorganic Compounds										
Chloride	640		16.0	mg/kg	4	7071311	AC	14-Jul-17	4500-Cl-B	
			Green Ana	alytical Labo	oratories					
Soluble (DI Water Extraction)										
Chloride	487		20.0	mg/kg wet	20	B707153	JDA	21-Jul-17	EPA300.0	

#### **Cardinal Laboratories**

# \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whitstoewer shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based to reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine



RX-SOIL INC. 201 MAIN STREET, SUITE FORT WORTH TX, 76102	1360		Project Nu Project Mai	roject: RUTI Imber: NON nager: JACC ax To: NA	E GIVEN		Reported: 24-Jul-17 15:59			
		R	R1-C2' BOT	-		7				
			П/0	01814-05 (So	u <i>)</i>					
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardiı	nal Laborato	ories					
Inorganic Compounds										
Chloride	656		16.0	mg/kg	4	7071311	AC	14-Jul-17	4500-Cl-B	
			Green Ana	alytical Labo	oratories					
Soluble (DI Water Extraction)	)									
Chloride	619		20.0	mg/kg wet	20	B707153	JDA	21-Jul-17	EPA300.0	

#### **Cardinal Laboratories**

# \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whitstoewer shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based to reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine



RX-SOIL INC. 201 MAIN STREET, SUITE 13 FORT WORTH TX, 76102	60		Project Nu Project Ma	roject: RUTI Imber: NON nager: JACC ax To: NA	E GIVEN			:	Reported: 24-Jul-17 15:59		
		R	_	TOM-RXI 1814-06 (Soi		17					
			<b>H</b> /0	1014-00 (30	II)						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes	
			Cardi	nal Laborato	ories						
Inorganic Compounds											
Chloride	656		16.0	mg/kg	4	7071311	AC	14-Jul-17	4500-Cl-B		
			Green Ana	alytical Labo	oratories						
Soluble (DI Water Extraction)											
Chloride	716		20.0	mg/kg wet	20	B707153	JDA	21-Jul-17	EPA300.0		

#### **Cardinal Laboratories**

# \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whitstoewer shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based to reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine



RX-SOIL INC. 201 MAIN STREET, SUITE FORT WORTH TX, 76102	1360		Project Nu Project Ma	roject: RUT Imber: NON nager: JACC ax To: NA	E GIVEN 24-Jul-17 15:59					
				.WRXNM )1814-07 (So						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardi	nal Laborate	ories					
Inorganic Compounds										
Chloride	800		16.0	mg/kg	4	7071311	AC	14-Jul-17	4500-Cl-B	
Salubla (DI Watan Extended	)		Green Ana	alytical Labo	oratories					
Soluble (DI Water Extraction) Chloride	645		20.0	mg/kg wet	20	B707153	JDA	21-Jul-17	EPA300.0	

#### **Cardinal Laboratories**

# \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whitstoewer shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based to reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102	Project: RUTH CO. SWD Project Number: NONE GIVEN Project Manager: JACOB MICKLE Fax To: NA	Reported: 24-Jul-17 15:59
	Inorganic Compounds - Quality Control	

# **Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7071311 - 1:4 DI Water										
Blank (7071311-BLK1)				Prepared &	Analyzed:	13-Jul-17				
Chloride	ND	16.0	mg/kg							
LCS (7071311-BS1)				Prepared &	Analyzed:	13-Jul-17				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (7071311-BSD1)				Prepared &	Analyzed:	13-Jul-17				
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	

#### **Cardinal Laboratories**

# \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whitstoewer shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based to reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102		Project Nu Project Ma	imber: N	: RUTH CO. SWD Reported: : NONE GIVEN 24-Jul-17 15:59 : JACOB MICKLE : NA								
Soluble (DI Water Extraction) - Quality Control Green Analytical Laboratories												
		Reporting		Spike	Source		%REC		RPD			
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes		

Batch B707153 - General Prep - Wet Chem											
Blank (B707153-BLK1)					Prepared: 19-Jul-17 Analyzed: 20-Jul-17						
Chloride	ND	10.0	mg/kg wet								
LCS (B707153-BS1)		Prepared: 19-Jul-17 Analyzed: 20-Jul-17									
Chloride	236	10.0	mg/kg wet	250	94.2	85-115					
LCS Dup (B707153-BSD1)		Prepared: 19-Jul-17 Analyzed: 20-Jul-17									
Chloride	232	10.0	mg/kg wet	250	92.7	85-115	1.69	20			

#### **Cardinal Laboratories**

# \*=Accredited Analyte

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

Celeg D. Keine



# **Notes and Definitions**

- ND
   Analyte NOT DETECTED at or above the reporting limit

   RPD
   Relative Percent Difference

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

   \*\*\*
   Insufficient time to reach temperature.
- Chloride by SM4500CI-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

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

Celeg D. Keine
1 Company Name: Project Manager: Address: City:	01 East Marland, Ho 575) 393-2326 FAX (1 1400 B /MT	176	BILL TO P.O. #: Company:	
Phone #: 210 Project #: 1/0/1/	549	zip:	Attn: Address:	
Project #: KVT/H Project Name:	LU- SUII Project Owner:	er	City: State: 7in:	
Project Location:	Hobbs		Phone #:	
Sampler Name:	OALOB		Fax #:	
Lab I.D.		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE	DATE TIME 4560 LL
IR	R1-A2 Bottom-RAM 020012	X	0	-
_	RI-B3.5 Bottom - RXNMO HOLF			
_	RI-B3.55.W-KANMOZEIZ RI-C2 Bottom-RAMMOZEIZ			-/
7 R	S.L	4		V
PLEASE NOTE: Liability and Dama analyses. All claims including those service. In no event shall Cardinal b athliates or successerve/aning gl/s of	ges. Cardnal's liability and client's e for regilgence and any other cause e abtle for incidental or consequent for regilated to like performance of ser	redy for any claim arising whether based in contr shall be deemed waved unless made in writing including without limitation. Lusiness interruption oder tv Cardinal readdless of vehicles usor, etc.	598	vert paid by the client for the yea filer completion of the applicable of by client, the subaidiances, and the subaidiances the sub-
Relinquished By	Ma Date: offic	Received By:	n s paaed uppn any of the above stated	Phone Result: Fax Result: REMARKS:
Relingenshed By:				

Page 13 of 13

60



August 15, 2017

JACOB MICKLE RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH, TX 76102

RE: RUTH CO. SWD

Enclosed are the results of analyses for samples received by the laboratory on 07/28/17 15:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-17-9. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/qa/lab">www.tceq.texas.gov/field/qa/lab</a> accred certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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. Keine

Celey D. Keene Lab Director/Quality Manager



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102		roject Number:	JACOB MICKLE	Reported: 15-Aug-17 10:29
Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
SWA -RXNM072817	H701982-01	Soil	28-Jul-17 15:00	28-Jul-17 15:30
SWB -RXNM072817	H701982-02	Soil	28-Jul-17 15:00	28-Jul-17 15:30
D4 - RXNM072817	H701982-03	Soil	28-Jul-17 15:00	28-Jul-17 15:30

### **Cardinal Laboratories**

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whitstoewer shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based to reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine



RX-SOIL INC. 201 MAIN STREET, SUITE 13 FORT WORTH TX, 76102	360		Project Nu Project Mai	roject: RUT Imber: NON nager: JACC ax To: NA	IE GIVEN			Reported: 15-Aug-17 10:29					
				-RXNM072 1982-01 (So									
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes			
			Cardii	nal Laborato	ories								
Inorganic Compounds													
Chloride	256		16.0	mg/kg	4	7072805	AC	28-Jul-17	4500-Cl-B				
Green Analytical Laboratories													
Soluble (DI Water Extraction)													
Chloride	223		10.0	mg/kg wet	10	B708046	JDA	09-Aug-17	EPA300.0				

### **Cardinal Laboratories**

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whitstoewer shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based to reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine



RX-SOIL INC. 201 MAIN STREET, SUITE 1 FORT WORTH TX, 76102	1360	Project: RUTH CO. SWD Project Number: NONE GIVEN Project Manager: JACOB MICKLE Fax To: NA						Reported: 15-Aug-17 10:29					
SWB -RXNM072817 H701982-02 (Soil)													
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes			
			Cardi	nal Laborato	ories								
Inorganic Compounds													
Chloride	128		16.0	mg/kg	4	7072805	AC	28-Jul-17	4500-Cl-B				
			Green Ana	alytical Labo	oratories								
Soluble (DI Water Extraction)													
Chloride	64.5		10.0	mg/kg wet	10	B708046	JDA	09-Aug-17	EPA300.0				

### **Cardinal Laboratories**

### \*=Accredited Analyte

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

Celeg D. Keine



RX-SOIL INC. 201 MAIN STREET, SUITE 1 FORT WORTH TX, 76102	.360	Project: RUTH CO. SWD Reported 60 Project Number: NONE GIVEN 15-Aug-17 Project Manager: JACOB MICKLE Fax To: NA												
	D4 - RXNM072817         H701982-03 (Soil)         Analyte       Result       MDL       Reporting Limit       Units       Dilution       Batch       Analyzed       Method       Notes													
Analyte	Result	MDL		Units	Dilution	Batch	Analyst	Analyzed	Method	Notes				
			Cardina	l Laborat	ories									
Inorganic Compounds														
Chloride	2880		16.0	mg/kg	4	7072805	AC	28-Jul-17	4500-Cl-B					
Petroleum Hydrocarbons by C	GC FID													
GRO C6-C10	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B					
DRO >C10-C28	<10.0		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B					
EXT DRO >C28-C36	11.1		10.0	mg/kg	1	7072806	MS	29-Jul-17	8015B					
Surrogate: 1-Chlorooctane			89.9 %	28.3	-164	7072806	MS	29-Jul-17	8015B					
Surrogate: 1-Chlorooctadecane			98.9 %	34.7	-157	7072806	MS	29-Jul-17	8015B					

**Cardinal Laboratories** 

\*=Accredited Analyte

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

Celeg D. Keine



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102	Project: RUTH CO. SWD Project Number: NONE GIVEN Project Manager: JACOB MICKLE Fax To: NA	Reported: 15-Aug-17 10:29								
Inorganic Compounds - Quality Control										

# **Cardinal Laboratories**

		Reporting		Spike	Source		%REC		RPD					
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes				
Batch 7072805 - 1:4 DI Water														
Blank (7072805-BLK1)	Prepared & Analyzed: 28-Jul-17													
Chloride	ND	16.0	mg/kg											
LCS (7072805-BS1)				Prepared &	k Analyzed:	28-Jul-17								
Chloride	432	16.0	mg/kg	400		108	80-120							
LCS Dup (7072805-BSD1)				Prepared &	k Analyzed:	28-Jul-17								
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20					

### **Cardinal Laboratories**

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whitstoewer shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based to reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102	Project: Project Number: Project Manager: Fax To:	JACOB MICKLE	Reported: 15-Aug-17 10:29
---	--	--------------	------------------------------

# Petroleum Hydrocarbons by GC FID - Quality Control

# **Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 7072806 - General Prep - Organics										
Blank (7072806-BLK1)				Prepared &	Analyzed:	28-Jul-17				
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C35	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Total TPH C6-C28	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	55.1		mg/kg	50.0		110	28.3-164			
Surrogate: 1-Chlorooctadecane	59.3		mg/kg	50.0		119	34.7-157			
LCS (7072806-BS1)				Prepared &	Analyzed:	28-Jul-17				
GRO C6-C10	216	10.0	mg/kg	200		108	76.6-119			
DRO >C10-C28	227	10.0	mg/kg	200		114	81.4-124			
Total TPH C6-C28	443	10.0	mg/kg	400		111	79.4-121			
Surrogate: 1-Chlorooctane	62.1		mg/kg	50.0		124	28.3-164			
Surrogate: 1-Chlorooctadecane	65.6		mg/kg	50.0		131	34.7-157			
LCS Dup (7072806-BSD1)				Prepared &	Analyzed:	28-Jul-17				
GRO C6-C10	210	10.0	mg/kg	200		105	76.6-119	2.77	7.94	
DRO >C10-C28	222	10.0	mg/kg	200		111	81.4-124	2.33	9.83	
Total TPH C6-C28	432	10.0	mg/kg	400		108	79.4-121	2.54	8.57	
Surrogate: 1-Chlorooctane	60.5		mg/kg	50.0		121	28.3-164			
Surrogate: 1-Chlorooctadecane	65.8		mg/kg	50.0		132	34.7-157			

### **Cardinal Laboratories**

### \*=Accredited Analyte

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

Celeg D. Keine



RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH TX, 76102			Reported: Aug-17 10	):29										
Soluble (DI Water Extraction) - Quality Control Green Analytical Laboratories														
Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes				
Batch B708046 - General Prep - Wet Chem				Dronorodi (	7 Aug 17	nalvzadi 0	0 Aug 17							
Blank (B708046-BLK1) Chloride	ND	1.00 1	mg/kg wet	Prepared: 0	//-Aug-1//	anaryzed: 0	9-Aug-1/							
LCS (B708046-BS1)				Prepared: 0	)7-Aug-17	Analyzed: 0	9-Aug-17							

Chloride	239	10.0 mg/kg wet	250	95.7	85-115		
LCS Dup (B708046-BSD1)			Prepared: 07-Aug-1	7 Analyzed: 09	9-Aug-17		
Chloride	242	10.0 mg/kg wet	250	96.6	85-115	0.915	20

### **Cardinal Laboratories**

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whitstoewer shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based to reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine



## **Notes and Definitions**

- ND
   Analyte NOT DETECTED at or above the reporting limit

   RPD
   Relative Percent Difference

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

   \*\*\*
   Insufficient time to reach temperature.
- Chloride by SM4500CI-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

### Cardinal Laboratories

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence ar any other cause whitstoewer shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damage including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether su claim is based to reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Laboratories

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

	(0/0) 020-200 FMA (0/0) 020-2410	10			
Company Name:	* RXSoil		BILL TO	ANALTSIS REQUEST	-
Project Manager:	No		P.O. #:		
Address:	1.5		Company:		_
City:	State:	Zip:	Attn:		_
Phone #: Q/O	210-400-7645 Fax#:		Address:		_
Project #:	Project Owner:	ler:	City:		
Project Name: Ruth	Co.		State: Zip:	1	
Project Location:			Phone #:	>.(	
Sampler Name:	Jack Rolling		Fax #:	00	_
FOR LABUSE ONLY	h	P. MATRIX	PRESERV. SAMPLING	*	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMI # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE	Chloride Chloride TPH E>	
1	SWA-RXNM072817	X	7/28/17 3:00 90		
2	-	R	7/2e/12 3.00PM	XX	
(J)		×	7/25/12 3:00 Pm		
		•			
PLEASE NOTE: Liability analyses. All claims inclu	PLEASE NOTE: Liability and Damages. Candinat's liability and client's exclusive remedy for any claim arising whether based in contract or bot, shall be limited to the amount paid by the client for the applicable analyses. All claims including those for negligence and any other cause whatever is shall be deterned waived unless made in writing and received by Caustral within 30 days alter completion of the applicable analyses. All claims including those for negligence and any other cause whatever is shall be deterned waived unless made in writing and received by Caustral within 30 days alter completion of the applicable analyses. All claims including those for negligence and any other cause whatever is located unless made in writing and received by Caustral within 30 days alter completion of the applicable analyses. All claims including those for negligence and any other cause whatever is located unless made in writing and received by Caustral writing and any other the subaddance.	for any claim arsing whether based in co t be deemed waived unless made in writin whom wahars entation, business internuct	Intract or fort, shall be limited to the amount paid by the client & g and received by Cardinal within 30 days after completion of cross, loss of use, or loss of profits incurred by client. Its subaid	for the type applicable faintes.	
Relinquished By:	elinquished By: Binquished By: The second services becauted to the performance of se	rder by Cardinal, regardless of whether such a Received By:	ch claim is based upon any of the above stated reasons or otherwee.  Phone Result: Fax Result: REMARKS:	wee lesult: □ Yes □ No Add"I Phone #: ult: □ Yes □ No Add"I Fax #: KS:	
Relinquished By:	By: Date: 7-28-1 Time: 20	7 Received By:	a Madador *	Reidsfarmer ing	
Delivered B	Delivered By: (Circle One) 14.3	Cool Intact	d (Initials)	Mench	

i

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326

Sampler - UPS - Bus - Other: Orructed

Sample Condition Cool Intact Ves Types No No

10.

CHECKED BY: (Initials) 0. HIS

Page 10 of 10



July 31, 2017

JACOB MICKLE RX-SOIL INC. 201 MAIN STREET, SUITE 1360 FORT WORTH, TX 76102

RE: RUTH CO. SWD

Enclosed are the results of analyses for samples received by the laboratory on 07/31/17 11:11.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-16-8. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

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

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

Accreditation applies to public drinking water matrices.

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. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	07/31/2017	Sampling Date:	07/30/2017
Reported:	07/31/2017	Sampling Type:	Soil
Project Name:	RUTH CO. SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS		

### Sample ID: R2A-RXNM073017 (H701985-01)

ma /ka

Chlorido SM4E00CL P

MID PROJECT SAMPLE - NOT CLOSURE

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	07/31/2017	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	07/31/2017	ND	184	91.8	200	0.132	
DRO >C10-C28	913	10.0	07/31/2017	ND	187	93.7	200	1.30	
EXT DRO >C28-C36	379	10.0	07/31/2017	ND					
Surrogate: 1-Chlorooctane	91.1	% 28.3-16	54						
Surrogate: 1-Chlorooctadecane	107	% 34.7-15	7						

### Sample ID: R2B-RXNM073017 (H701985-02)

### MID PROJECT SAMPLE - NOT CLOSURE

Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1360	16.0	07/31/2017	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	07/31/2017	ND	184	91.8	200	0.132	
DRO >C10-C28	30.8	10.0	07/31/2017	ND	187	93.7	200	1.30	
EXT DRO >C28-C36	22.6	10.0	07/31/2017	ND					
Surrogate: 1-Chlorooctane	90.6	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	91.3	% 34.7-15	7						

### **Cardinal Laboratories**

### \*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL IN	С.
JACOB MIC	KLE
201 MAIN S	STREET, SUITE 1360
FORT WOR	TH TX, 76102
Fax To:	NA

Received:	07/31/2017	Sampling Date:	07/29/2017
Reported:	07/31/2017	Sampling Type:	Soil
Project Name:	RUTH CO. SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS		

### Sample ID: EA2-RXNM072917 (H701985-03)

Chloride, SM4500CI-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	07/31/2017	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/31/2017	ND	184	91.8	200	0.132	
DRO >C10-C28	<10.0	10.0	07/31/2017	ND	187	93.7	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	07/31/2017	ND					
Surrogate: 1-Chlorooctane	93.8	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	92.0	% 34.7-15	7						

# Sample ID: EB2-RXNM072917 (H701985-04)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/31/2017	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/31/2017	ND	184	91.8	200	0.132	
DRO >C10-C28	<10.0	10.0	07/31/2017	ND	187	93.7	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	07/31/2017	ND					
Surrogate: 1-Chlorooctane	97.7	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	94.3	% 34.7-15	7						

### **Cardinal Laboratories**

### \*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whose of use, or loss of profits incurred by client, its subsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



RX-SOIL IN	IC.
JACOB MIC	CKLE
201 MAIN 9	STREET, SUITE 1360
FORT WOR	TH TX, 76102
Fax To:	NA

Received:	07/31/2017	Sampling Date:	07/29/2017
Reported:	07/31/2017	Sampling Type:	Soil
Project Name:	RUTH CO. SWD	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	HOBBS		

### Sample ID: ESW-RXNM072917 (H701985-05)

Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	07/31/2017	ND	416	104	400	3.77	
TPH 8015M	PH 8015M mg/kg								
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	07/31/2017	ND	184	91.8	200	0.132	
DRO >C10-C28	<10.0	10.0	07/31/2017	ND	187	93.7	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	07/31/2017	ND					
Surrogate: 1-Chlorooctane	92.9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	93.3	% 34.7-15	7						

### **Cardinal Laboratories**

\*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatscever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including whoto limitation, business interruptions, loss of gronts incurred by client, its subsidiaries, affiliates or successor arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

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

#### Cardinal Laboratories

### \*=Accredited Analyte

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 6

	Delivered By: (Circle One) Sampler - UPS - Bus - Other	Relinquished By:	PLEASE NOTE: Liability and Damages. Cardinath analyses. All claims including those for negligence service. In no event shall Cardinal be liable for incl antifiates or successors arising out of or reliated to th Refinancia characters.	5	4	10	Lab I.D. H701985	THE DECORT	Sampler Name:	Project Location	Project Name:	Project #: 2/0-400-	City:	Address:	Project Manager:	Company Name:	
And the second second changes. Flease fax written changes to (575),393/2326	Delivered By: (Circle One) Sampler - UPS - Bus - Other:#75 5.156	1: Date: 11	hafs lability and clerifs exclusive removes and any other cause whatsoever incidental or consequential damages to the performance of services herein	ESW -RXNM072917	EB2-RXNMOTENT		Sample I.D.			Project Location: Ruth Car. SWD	Project Owner:	7645	State:		ger: Zach Robbins	101 East 575) 393	-aboratories
e tax written changes to (575),3	4,9° Sample Condition Cool Intact Prest Pres	Received By:	any faim arising weather based in contract or too deemed winived unless made in writing and recei- g without imitation, business filteruptions, loss of Caudinal, regardless of Weather such claim is base				(G)RAB OR (C)O # CONTAINERS GROUNDWATE WASTEWATER SOIL OIL SLUDGE OTHER :	MATRIX	Fax #:	Phone Phone			Zip: Attn:	Co	0.4	88240 2476	<b>A</b> Ties
122326	CHECKEP BY:	Phone Result: Fax Result: REMARKS:	be limited to the amount paid by the Cardinal within 30 days after complet i beas of profils incurred by client, its abry of the above studied reasonse.	lak	7/29	7/30		PRESERV. SAMPLING	*	State: Zip: Phone #-		Address:		Company:	P.O. #:		
	Rush	result:    Yes    No ult:    Yes    No KS:	client for the applicable for a difference of the applicable for the applicable for the applicable of				TPH(e	e ( xte	1	00 ee	1)					CHAIN-OF-CUSTOD	
		Add'l Phone #: Add'l Fax #:													ANALYSIS REQUEST	USTODY AND ANALYSIS REQUEST	

FIGURE 5&6 Mid Project





FIGURES 7&8 Final Project





# APPENDIX D C-141

State of New Mexico Energy Minerals and Natural Resources

Form C-141 Revised August 8, 2011

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

			Rele	ease Notific	cation	and Co	rrective A	ction					
						OPERAT	TOR	🕒 Initia	al Report 🔲 Final Repor				
Jame of Co	ompany R	uthco	Rie	W, LLC		Contact	Joshua	Ruth					
								31-0437					
acility Nat	me Bu-	the Su	ND		1	Facility Typ	e Disposi	al					
urface Ow	mer			Mineral (	Owner			API No	30-025-07950				
				LOCA	ATION	OF REI	LEASE						
Init Letter	Section	Township	Range	Feet from the		South Line	Feet from the	East/West Line	County				
F	30	185	39E	1980.	N	1	2310	w	hea				
			La	titude		Longitud	le						
				NAT	TURE	OF REL	EASE						
ype of Rele	ease evo	the and s	skino			Volume of	Release 6		Recovered 69,				
		NIKS ON	1000	noita		Date and H	Iour of Occurrent	ce Date and	Hour of Discovery 11PM /11/				
Vas Immedi	iate Notice (		Var F	] No 🗌 Not R	aquirad	If YES, To							
					equired	D . 17		ister Lyn					
By Whom?	Josh rcourse Rea		h		-	Date and Hour II 7 112 8 dam If YES, Volume Impacting the Watercourse.							
vas a water	reourse rea		Yes L	No		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	stunie impacting	the watercourse.					
nue up	all +	tuids	on allo	vovel and d	01~~~~	to have	off bad	soil and bri	t on location - ng back in good di				
Describe Ar	ea Affected	and Cleanup	Action Ta	ken.*	-								
regulations public healt should their or the enviro	all operators h or the environment operations onment. In	s are required ironment. Th have failed to	to report a e acceptan adequatel OCD acce	nd/or file certain ace of a C-141 rep y investigate and	release n oort by th remediat	otifications a e NMOCD n te contaminat	and perform corre- narked as "Final I ion that pose a th	ective actions for re Report" does not re reat to ground wate	rsuant to NMOCD rules and leases which may endanger lieve the operator of liability er, surface water, human health compliance with any other				
louorun, out	1	1	-				OIL CON	SERVATION	DIVISION				
Signature:	for	Le	Rue	Sh .									
Printed Nan	ne: Jo	Jshue	Rut	5		Approved by	Environmental	Specialist:					
Title:	Pra	indut	-	line		Approval Da	ate:	Expiration	Date:				
E-mail Add	ress:					Conditions of	of Approval:		Attached				
Date:			Phone	e:									

\* Attach Additional Sheets If Necessary

# Appendix E Ground Water Table



# New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW###### in the POD suffix indicates the POD has been replaced & no longer serves a	O=orp C=the	eplaced haned, file is	(qua						JE 3=SW					
water right file.)	closed	) POD	(qua	rter	sa	re :	smai	iest to	argest)	(NAD63	3 UTM in meters)		(In fee	L)
		Sub-			Q							Depth	Depth	Water
POD Number L 02204	Code	basin C	County					: <b>Tws</b> 18S	-	<b>X</b> 679189	Y 3621984*	Well 123	Water 65	Column 58
	_													
L 05134	R	L	LE					18S		679584	3622394* 🌍	150	78	72
L 05134 POD2		L	LE	1	1			18S		679584	3622394* 🌍	250		
L 05197		L	LE			2	30	18S	39E	679893	3622093* 🍑	100	70	30
L 05924 POD2	R	L	LE		3	2	30	18S	39E	679692	3621892* 🌍	150	85	65
L 05924 POD3		L	LE	4	3	2	30	18S	39E	679898	3621873 🌍	237		
L 06512		L	LE		2	2	30	18S	39E	680087	3622302* 🌍	170	70	100
L 07113		L	LE	4	2	2	30	18S	39E	680186	3622201* 🌍	120		
L 07231	R	L	LE	2	3	2	30	18S	39E	679791	3621991* 🌍	126	72	54
L 07231 POD2	R	L	LE	2	3	2	30	18S	39E	679791	3621991* 🌍	150	50	100
L 07231 POD3		L	LE	2	3	2	30	18S	39E	679791	3621991* 🌍	195		
L 07492		L	LE			2	30	18S	39E	679893	3622093* 🌍	150	82	68
L 07671 POD1		L	LE	2	4	1	30	18S	39E	679389	3621984* 🌍	150		
L 07671 POD2		L	LE	2	4	1	30	18S	39E	679389	3621984* 🌍	150		
L 08039		L	LE		4	2	30	18S	39E	680095	3621899* 🌍	150	50	100
L 08040		L	LE		4	2	30	18S	39E	680095	3621899* 🌍	150	85	65
L 08294		L	LE	2	3	2	30	18S	39E	679791	3621991* 🌍	150	90	60
L 08550		L	LE	2	3	2	30	18S	39E	679791	3621991* 🌍	150	82	68
L 09289		L	LE	1	2	2	30	18S	39E	679986	3622401* 🌍	150	60	90
L 09787	R	L	LE	2	4	2	30	18S	39E	680194	3621998* 🌍	150	78	72
L 09912		L	LE		2	2	30	18S	39E	680087	3622302* 🌍	155	95	60
L 09948	R	L	LE		2	2	30	18S	39E	680087	3622302* 🌑	150	88	62
L 09948 POD2		L	LE	3	2	2	30	18S	39E	679950	3622157 🌍	255		
L 10389		L	LE			2	30	18S	39E	679893	3622093* 🌑	180	87	93
L 10538		L	LE	1	1	2	30	18S	39E	679584	3622394* 🌑	200		
L 11356		L	LE	4	3	2	30	18S	39E	679791	3621791* 🍚	238		

\*UTM location was derived from PLSS - see Help

(A CLW###### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)	(R=POD has been replaced O=orphaned, C=the file is closed)	(qua					IE 3=SW largest)	,	3 UTM in meters)		(In feet)	
POD Number	POD Sub- Code basin (	County		Q ( 16 /		: Tws	Rna	х	Y	-	Depth Water (	
L 11498	L	LE			30	18S		679791	3621991* 🌍	245		
L 11634	L	LE	4	32	30	18S	39E	679791	3621791* 🌍	234		
L 11639	L	LE	1	1 2	2 30	18S	39E	679584	3622394* 🌍	250		
L 12305 POD1	L	LE	1	2 4	30	18S	39E	679921	3621593 🌑	235		
L 12535 POD1	L	LE	2	2 2	30	18S	39E	680238	3622387 🌑	235		
L 12711 POD1	L	LE	2	1 4	30	18S	39E	679895	3621595 🌑	250		
L 13397 POD1	L	LE	2	2 2	30	18S	39E	680164	3622398 🌑	235	98	137
									Average Depth to	Water:	76 fe	et
									Minimum	Depth:	50 fe	et
									Maximum	Depth:	98 fe	et
Record Count: 33												

## PLSS Search:

Section(s): 30

Township: 18S

Range: 39E

\*UTM location was derived from PLSS - see Help

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