

NMOCD Conditions of Approval:1.) Confirmation Samples be taken at bottom of excavation.2.)Horizontal dilatation be achieved.3.)Notify NMOCD Prior to all sampling events.

Gandy Corporation Nuckols Battery Delineation Report & Work Plan

Section 24, Township 7S, Range 31E Chaves County, New Mexico

30-005-20736 1-RP-4222

September 9, 2016



Prepared for:

Cross Border Resources 14282 Gillis Rd., Farmers Branch, TX 14282

By:

Safety & Environmental Solutions, Inc. 703 East Clinton Street Hobbs, New Mexico 88240 (575) 397-0510

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I. Company Contacts

Representative	Company	Telephone	E-mail
Ross Pearson	Cross Border Resources	469-995-0425	Ross@redmountainresources.com
Bob Allen	SESI	575-397-0510	ballen@sesi-nm.com

II. Background

Safety and Environmental Solutions, Inc., hereinafter referred to as (SESI) was engaged by Red Mountain Resources to assess a spill area on the Nuckols Battery, concerning a One Hundred and Sixty (160) bbl. release comprised of oil and produced water. This site is situated in Chaves County, Section 24, Township 7S, and Range 31E.

According to the C-141: Vandals opened the load line valves on the oil and water tanks allowing all of the contained fluids to impact ground surface. The spill area was mapped, using a Trimble Juno 3B. Whereby, the total area of impact was estimated to be 4,441 sq. ft. The NMOCD and BLM respectively, were notified on March 20, 2016, and the C-141 filed and stamped by the NMOCD on March 24, 2016 assigning this event number **1RP-4222** (Appendix A).

III. Surface and Ground Water

There is no record of groundwater in the immediate vicinity of the site location. Further research of the New Mexico Office of the State Engineer records indicates the average depth to groundwater for the area to be 238' bgs. Thereby, posing no eminent threat or danger to life forms in the area (Appendix B).

IV. Characterization

The target cleanup levels are determined using the *Guidelines for Remediation of Leaks, Spills and Releases* published by the NMOCD (August 13, 1993). Based on the ranking criteria presented below, the applicable Recommended Remediation Action Levels (RRAL) are 10 parts per million (ppm) Benzene, 50 ppm combined benzene, toluene, ethyl benzene, and total xylenes (BTEX), and 5,000 ppm Total Petroleum Hydrocarbons (TPH). Characterization of vertical extent of chloride concentration to a level of 250 mg/kg (PPM) is also required.

Depth to Ground Water:									
(Vertical distance from contaminants to Less than 50 feet 20 points									
seasonal high water elevation of	50 feet to 99 feet	10 points							
groundwater)	>100 feet	0 points	Χ						
Wellhead Protection Area:									
(Less than 200 feet from a private domestic	Yes	20 points							
water source; or less than 1000 feet from all other water sources)	No	0 points	X						
Distance to Surface Water:									
(Horizontal distance to perennial lakes,	Less than 200 feet	20 points							
ponds, rivers, streams, creeks, irrigation	200 feet to 1000 feet	10 points							
canals and ditches)	>1000 feet	0 points	Χ						
RANKING SCORE (TOTAL POINTS)									

V. Work Performed

On April 11, 2016 SESI personnel together with equipment and personnel from Gandy Corporation were onsite to photograph, assess and map the spill area. The backhoe removed all heavy hydro carbon staining. SESI personnel were present to conduct simultaneous field testing to perform confirmation sampling. Field tests were conducted of the representative soil samples. Approximately 35 yds. Of impacted soil were removed and disposed of at an NMOCD approved facility. The results of field tests are presented in the table below.

Soil Sample Results: Field Tests 04-11-16								
SAMPLE ID	ТРН	CHLORIDES						
TT-1 @ 6"	06 ppm	156 ppm						
TT-1 @ 1.5'	No test	<108 ppm						
TT-2 @ 6"	06 ppm	<108 ppm						
TT-2 @ 1.5'	No test	<108 ppm						

On June 28, 2016 SESI personnel met with Representative Jamie Keyes of the NMOCD, in order to verify any further delineation that should be conducted on this site. Mr. Keyes recommended that sample be taken from the area northwest of the battery.

Based on the request of Mr. Keyes of the NMOCD, SESI personnel returned to the site to install an auger hole to a depth of 1' bgs., slightly to the Northwest of the impacted area (Figure 2). A representative soil sample was taken from the surface and at a depth of 1' bgs., properly packaged, preserved and transported to Cardinal Laboratories of Hobbs, NM by chain of custody, and analyzed for Chloride (Method SM4500CI-B). The results are recapped in the following table:

Lab Confirmation Sample Date 07-01-16							
SAMPLE ID	CHLORIDES						
AH-1 Surface	<16.0 mg/kg						
AH-1 1'	<16.0 mg/kg						

On August 19, 2016 SESI personnel revisited the site at the request of Mr. Jamie Keyes with the NMOCD, in order to further delineate spill areas that were not previously identified.

Sixteen (16) additional sample point positions were mapped, identified utilizing the Juno 3B GPS positioning, and flagged. Auger holes were installed and advanced at one foot intervals, and retrieving representative soil samples. The soil samples were properly packaged, preserved, and transported to Cardinal Lab via Chain of Custody. The soil was analyzed for BTEX (Benzene, Toluene, Ethylbenzene, and Total Xylenes) (Method BTEX 8021B), Chlorides (Method SM4500CI-B), and TPH (Total Petroleum Hydrocarbons), (Method TPH 8051M). Below is a table recapping those results (Appendix C):

Soil Sample Results: 08-19-16								
SAMPLE ID	TPI	4	BTEX	CHLORIDES				
	DRO							
AH-2 SURFACE	<200	13500	<0.300	<16.0				
AH-2 @ 1'	<50.0	742	<0.300	32.0				
AH-3 @ 1'	<10.0	65.8	<0.300	192				
AH-4 @ SURFACE	<10.0	37.9	<0.300	<16.0				
AH-4 @1'	<200	1750	<0.300	<16.0				
AH-5 @1'	<10.0	37.4	<0.300	32.0				
AH-6 @ SURFACE	<50.0	1930	<0.300	<16.0				
AH-6 @ 1'	<10.0	192	>0.300	96.0				
AH-7 @ 1'	<10.0	<10.0	<0.300	<16.0				
AH-8 @ SURFACE	<10.0	234	<0.300	176				
AH-8 @ 1'	>10.0	<10.0	<0.300	<16.0				
AH-9 @ 1'	<10.0	<10.0	<0.300	<16.0				
AH-10 @ SURFACE	<50.0	1150	<0.300	576				
AH-10 @ 1'	<10.0	<10.0	<0.300	144				
AH-11 @ 1'	<10.0	2300	2300 <0.300					
AH-12 @ SURFACE	<10.0	<10.0	<0.300	<16.0				
AH-12 @ 1'	<10.0	922	<0.300	128				
AH-13 @ 1'	<10.0	648	<0.300	<16.0				
AH-14 @ SURFACE	<10.0	44.4	<0.300	<16.0				
AH-14 @ 1'	<10.0	4270	<0.300	<16.0				
AH-15 @ 1'	<200	310	<0.300	<16.0				
AH-16 @ SURFACE	<50.0	1130	<0.300	<16.0				
AH-16 @ 1'	<10.0	<10.0	<0.300	<16.0				

On September 02, 2016 SESI personnel revisited the site in order to confirm the vertical extent of impact on four (4) of the above sample points. Representative soil samples were properly packaged, preserved and transport to Cardinal Laboratories, and analyzed for BTEX (Benzene, Toluene, Ethylbenzene, and Total Xylenes) (Method BTEX 8021B), Chlorides (Method SM4500CI-B), and TPH (Total Petroleum Hydrocarbons), (Method TPH 8051M). Below is a table recapping those results (Appendix C):

Soil Sample Results: Field Tests 09-02-16									
SAMPLE ID	TF	ЪН	BTEX	CHLORIDES					
	GRO	DRO							
AH-2 @ 2.5'	<10	<10.0	<0.300	32.0					
AH-4 @ 2.5'	<10	<10.0	<0.300	<16.0					
AH-13 @ 3'	<10.0	<10.0	<0.300	<16.0					
AH-14 @ 2.5'	<10.0	<10.0	<0.300	<16.0					

On September 09, 2016 SESI personnel revisited the site together with personnel from Gandy's with equipment. This was to determine the vertical extent of the impact between sample points 12 and 15. The test trench was advanced to a depth a depth of 7' bgs and 9' respectively where a final confirmation sample was retrieved.

All soil samples were properly packaged, preserved and transported to Cardinal laboratories to be analyzed for BTEX (Benzene, Toluene, Ethylbenzene, and Total Xylenes) (Method BTEX 8021B), Chlorides (Method SM4500Cl-B), and TPH (Total Petroleum Hydrocarbons), (Method TPH 8051M). Below is a table recapping those results (Appendix C):

Soil Sample Results: 09-08-16									
SAMPLE ID	TF	Ч	BTEX	CHLORIDES					
	GRO	DRO							
SP-17 @ 7'	<10	<10.0	<0.300	32.0					
SP-17 @ 9'	<10	<10.0	<0.300	32.0					

VI. Action Plan

The NMOCD site ranking requires a 5,000 ppm TPH cleanup, and no BTEX is present in any of the samples taken at this site. Vertical extent of contamination was found at all sample points. Cross Border Resources is proposing to excavated and remove the impacted soil where Chloride levels are >1,000 mg/kg, and TPH levels are >5,000 mg/kg. All impacted soils will be transported to an NMOCD approved facility. Upon completion of remediation activities: all surface areas off of the location area will be re-seeded according New Mexico State Land Office Guidelines. All closure documentation will be drafted and submitted to the proper parties of concern.

VII. Figures & Appendices

Figure 1 - Vicinity Map Figure 2 - Site Plan Appendix A – C-141 Appendix B – Groundwater Appendix C – Analytical Results Appendix D – Photo Documentation

Figure 1 Vicinity Map



Nuckols AH-13 9AH-14

Google earth

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Figure 2 Site Plan

AH-1 @ 1ft. AH-1 @ 1ft.

AH-7 OTest Trench 1 AH-6 AH-2

AH-5 •

AH-3

Survey

© 2016 Google

AH-14

Cross Border Resources Nuckols

AH-1



Goog

art







0

AH-9

Imagery Date: 9/30/2014 33°41'12.37" N 103°44'01.14" W elev 4391 ft eye alt 4636 ft 💽

Appendix A 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.

<u>District IV</u> 1220 S. St. Fran	eis Dr. Santa	Fe NM 8750	5				-					
1220 3, 51, 1181	cis Di., Bauta	110,14910750	,	S	anta Fe	e, NM 875	05					
			Rele	ease Notifi	catio	1 and Co	orrective A	ction				
						OPERA	ГOR	1	🗙 Initia	al Report		Final Report
Name of Co	mpany: Ci	ross Border	Resource	S		Contact: Ro	ss Pearson		•			
				, TX, 14282		Telephone I	No. 469-995-04	25				
Facility Nar						Facility Typ	e: Tank Battery	1				
a				Minanal	<u></u>	Musicala of	o ¹		ADINO	. 30-005-2	20726	
Surface Ow	ner: Jake, J	Maureen Ho	wards	ivineral (Jwner:	Nuckols et	a1		AFINO	. 50-003	40730	
			• · · · · · · · · · · · · · · ·			N OF RE		,				
Unit Letter M	Section 24	Township 7-S	Range 31-E	Feet from the 660'		South Line	Feet from the 660'	t	Vest Line est	County Chaves		
	L		L	atitude <u>33%</u>	11'13	"_Longitud	103°44	<u>']"</u>		1		
				NAT	FURE	OF REL	EASE					
Type of Relea	ase: Oil and	Produced W	ater				Release: 160 Bb	ols	Volume H	Recovered: 1	None	
Source of Rel						3/18/2016	four of Occurrence Unknown		3/19/2016	Hour of Dis 5 10:00 am		,
Was Immedia	ate Notice G		Yes 🗌] No 🗌 Not R	lequired		Whom? Baldo Ves, NMOCD, Har			ounty Sheri	ff	
By Whom? J	oseph Urba	n, Ross Pears	ion				Iour 3/19/2016, 1			nd 3/20/20	16, 2:24	4 pm
Was a Water	course Reac		6			If YES, V	olume Impacting	the Water	rcourse.			
			Yes 🕅] No								
Describe Cau Vandals open release occur	ed the load	line valves o	n the oil a	nd water tanks. A	Allowed t sheriff fi	the entire cor rst to establis	itents to be draine h a case for the cr	d on loca iminal ac	ttion. Not tivity.	sure on the	exact t	ime of
on the locatio	ly 35 bbls o n pad. Pla	f oil was rele ns are to take	ased from samples c	the oil load lines of the spill area.			0' by 180' north (
regulations al public health should their o	l operators or the envir operations h ument. In a	are required to conment. The ave failed to ddition, NMC	o report an acceptane adequately)CD accep	nd/or file certain ce of a C-141 rep v investigate and	release n ort by the remediat	otifications a e NMOCD n e contaminat	knowledge and u nd perform correct parked as "Final R ion that pose a thu we the operator of	ctive action (eport" do reat to gro	ons for rel bes not rel bund wate	eases which ieve the ope r, surface w	n may e crator o ater, hu	ndanger f liability ıman health
Signature:	0		2	2			OIL CON	SERV.	ATION	DIVISIO	<u>NC</u>	
Printed Name	Ro.	s fe	<u> 450</u>	<u> </u>		Approved by	Environmental S	Specialist	:			
Title:	1. P.	Oper	a ti'a	205		Approval Date: 03/24/2016 Expiration Date: 05/24/2016						
		<u>@redo</u>	Phone	<u>ib resource</u> ::469-995-	542.5	Conditions o Discrete site s per NMOCD	f Approval: amples only. Deli guidelines.	ineate and	d remedia	te Attached 1RP 4		

* Attach Additional Sheets If Necessary

nJXK1608427167 pJXK1608427253 Appendix B Groundwater



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 water right file.)	(R=POD has been replaced O=orphaned, C=the file is closed)	(quar						IE 3=SW	,	3 UTM in meters)		(In feet)
	POD Sub-			Q		See	Tura	Dura	x	Y	-	-	Water
POD Number RA 11245 POD1	Code basin C	CH					07S		^ 610806	3728777* 🦲	220	180	Column 40
RA 11251 POD1		СН					07S		615240	3731841* 🌍	210	190	20
RA 11252 POD1		СН	2	4	2	10	07S	31E	615436	3732243* 🌍	210		
RA 11255 POD1		СН	2	4	4	04	07S	31E	613805	3733024* 🌍	450	350	100
RA 11256 POD1		СН	2	4	4	04	07S	31E	613805	3733024* 🔵	450	350	100
RA 11260 POD1		СН	1	2	3	26	07S	31E	616038	3727739 🌍	158	120	38
										Average Depth to	Water:	238 f	eet
										Minimum	Depth:	120 f	eet
										Maximum	Depth:	350 f	eet
Record Count: 6													

Record Count: 6

PLSS Search:

Township: 07S Ra

Range: 31E

*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.

Appendix C Analytical Results



July 12, 2016

Bob Allen Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: GAN-16-002

Enclosed are the results of analyses for samples received by the laboratory on 07/06/16 9:00.

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

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

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

Accreditation applies to public drinking water matrices.

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:	07/06/2016	Sampling Date:	07/01/2016
Reported:	07/12/2016	Sampling Type:	Soil
Project Name:	GAN-16-002	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-1 SURFACE (H601505-01)

Chloride, SM4500CI-B	mg	/kg	Analyze	d By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/07/2016	ND	416	104	400	0.00	

Sample ID: AH-1 1' (H601505-02)

Chloride, SM4500CI-B mg/kg			Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/07/2016	ND	416	104	400	0.00	

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 Loratories.

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

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

PLASE NOTE: Liabley and Damages. Caratinet's tabley and dents and tabley tend dents and table within a dents or tradicing these ten registrees and any other uses writering writering writering and received by Cardinal within 30 days after completion of the annount field by the dents for the annount f	HIGOLOGICS The Lab I.D. Lab I.D. AH-1 Surple I.D. AH-1 Surple I.D. (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476 e: Safety and Environmental Solutions ar: Bob Allen 703 East Clinton, PO Box 1613 10bbs 5 397-0510 Fax #: 575 393-4388 75 397-0510 Fax #: 575 393-4388	Laboratories
By and derits and/own remeryls have yordsmit badds in output or two, data is larged to the smooth bad by the detrift of the smooth badds where where dusts and the where and notes and the shares to the smooth badds where the shares intermedies to be detrift the standard where the dust output of the shares to the shares to the shares to the shares the shares the shares to the shares the shares the shares to the shares th	SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : OIL OTHER : ACID/BASE: ICE / COOL OTHER : OF OF THE ICE / COOL OTHER : OF OF THE ICE / COOL	BILL TO ANALYSIS REQUEST P.O. #: Company: Same Address: Address: Address: City: State: Zip: Phone #: Phone #: PRESERV SAMPLING WATRIX PRESERV	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4

STRACE .



August 30, 2016

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: RMR-16-002

Enclosed are the results of analyses for samples received by the laboratory on 08/23/16 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 www.tceq.texas.gov/field/ga/lab_accred_certif.html.

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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:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-2 SURFACE (H601887-01)

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	08/24/2016	ND	2.37	118	2.00	1.51	
Toluene*	<0.050	0.050	08/24/2016	ND	2.37	118	2.00	1.94	
Ethylbenzene*	<0.050	0.050	08/24/2016	ND	2.22	111	2.00	2.56	
Total Xylenes*	<0.150	0.150	08/24/2016	ND	6.71	112	6.00	2.61	
Total BTEX	<0.300	0.300	08/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	73.6-14	0						
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	08/24/2016	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	<200	200	08/24/2016	ND	214	107	200	0.125	
DRO >C10-C28	13500	200	08/24/2016	ND	217	108	200	4.78	
Surrogate: 1-Chlorooctane	71.1 9	% 35-147	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:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-2 1' (H601887-02)

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	08/24/2016	ND	2.37	118	2.00	1.51	
Toluene*	<0.050	0.050	08/24/2016	ND	2.37	118	2.00	1.94	
Ethylbenzene*	<0.050	0.050	08/24/2016	ND	2.22	111	2.00	2.56	
Total Xylenes*	<0.150	0.150	08/24/2016	ND	6.71	112	6.00	2.61	
Total BTEX	<0.300	0.300	08/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 73.6-14	0						
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	08/24/2016	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	<50.0	50.0	08/24/2016	ND	214	107	200	0.125	
DRO >C10-C28	742	50.0	08/24/2016	ND	217	108	200	4.78	
Surrogate: 1-Chlorooctane	111 %	6 35-147	7						
Surrogate: 1-Chlorooctadecane	148 9	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:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-3 1' (H601887-03)

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	08/24/2016	ND	2.37	118	2.00	1.51	
Toluene*	<0.050	0.050	08/24/2016	ND	2.37	118	2.00	1.94	
Ethylbenzene*	<0.050	0.050	08/24/2016	ND	2.22	111	2.00	2.56	
Total Xylenes*	<0.150	0.150	08/24/2016	ND	6.71	112	6.00	2.61	
Total BTEX	<0.300	0.300	08/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	6 73.6-14	0						
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	08/24/2016	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	<10.0	10.0	08/24/2016	ND	214	107	200	0.125	
DRO >C10-C28	65.8	10.0	08/24/2016	ND	217	108	200	4.78	
Surrogate: 1-Chlorooctane	102 9	6 35-147	7						
Surrogate: 1-Chlorooctadecane	118 %	6 28-171	,						

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-4 SURFACE (H601887-04)

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	08/24/2016	ND	2.37	118	2.00	1.51	
Toluene*	<0.050	0.050	08/24/2016	ND	2.37	118	2.00	1.94	
Ethylbenzene*	<0.050	0.050	08/24/2016	ND	2.22	111	2.00	2.56	
Total Xylenes*	<0.150	0.150	08/24/2016	ND	6.71	112	6.00	2.61	
Total BTEX	<0.300	0.300	08/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	73.6-14	0						
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	08/24/2016	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	<10.0	10.0	08/24/2016	ND	214	107	200	0.125	
DRO >C10-C28	37.9	10.0	08/24/2016	ND	217	108	200	4.78	
Surrogate: 1-Chlorooctane	90.4	% 35-147	7						
Surrogate: 1-Chlorooctadecane	94.0	% 28-171							

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Celey D. Keene, Lab Director/Quality Manager



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Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-4 1' (H601887-05)

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	08/24/2016	ND	2.37	118	2.00	1.51	
Toluene*	<0.050	0.050	08/24/2016	ND	2.37	118	2.00	1.94	
Ethylbenzene*	<0.050	0.050	08/24/2016	ND	2.22	111	2.00	2.56	
Total Xylenes*	<0.150	0.150	08/24/2016	ND	6.71	112	6.00	2.61	
Total BTEX	<0.300	0.300	08/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	73.6-14	0						
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	08/24/2016	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	<200	200	08/24/2016	ND	214	107	200	0.125	
DRO >C10-C28	1750	200	08/24/2016	ND	217	108	200	4.78	
Surrogate: 1-Chlorooctane	50.6	% 35-147	7						
Surrogate: 1-Chlorooctadecane	188 9	28-171							

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Celey D. Keene, Lab Director/Quality Manager



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Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-5 1' (H601887-06)

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	08/24/2016	ND	2.37	118	2.00	1.51	
Toluene*	<0.050	0.050	08/24/2016	ND	2.37	118	2.00	1.94	
Ethylbenzene*	<0.050	0.050	08/24/2016	ND	2.22	111	2.00	2.56	
Total Xylenes*	<0.150	0.150	08/24/2016	ND	6.71	112	6.00	2.61	
Total BTEX	<0.300	0.300	08/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	% 73.6-14	0						
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	08/24/2016	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	<10.0	10.0	08/24/2016	ND	214	107	200	0.125	
DRO >C10-C28	37.4	10.0	08/24/2016	ND	217	108	200	4.78	
Surrogate: 1-Chlorooctane	98.0 9	% 35-147	7						
Surrogate: 1-Chlorooctadecane	106 9	6 28-171	,						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-6 SURFACE (H601887-07)

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	08/24/2016	ND	2.37	118	2.00	1.51	
Toluene*	<0.050	0.050	08/24/2016	ND	2.37	118	2.00	1.94	
Ethylbenzene*	0.094	0.050	08/24/2016	ND	2.22	111	2.00	2.56	
Total Xylenes*	<0.150	0.150	08/24/2016	ND	6.71	112	6.00	2.61	
Total BTEX	<0.300	0.300	08/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	73.6-14	0						
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	08/24/2016	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	<50.0	50.0	08/24/2016	ND	217	109	200	0.743	
DRO >C10-C28	1930	50.0	08/24/2016	ND	237	119	200	0.708	QM-07, QR-03
Surrogate: 1-Chlorooctane	104 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	135 9	28-171							

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Celey D. Keene, Lab Director/Quality Manager



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Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-6 1' (H601887-08)

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	08/24/2016	ND	2.37	118	2.00	1.51	
Toluene*	<0.050	0.050	08/24/2016	ND	2.37	118	2.00	1.94	
Ethylbenzene*	<0.050	0.050	08/24/2016	ND	2.22	111	2.00	2.56	
Total Xylenes*	<0.150	0.150	08/24/2016	ND	6.71	112	6.00	2.61	
Total BTEX	<0.300	0.300	08/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 73.6-14	0						
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	08/24/2016	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	<10.0	10.0	08/24/2016	ND	217	109	200	0.743	
DRO >C10-C28	19.2	10.0	08/24/2016	ND	237	119	200	0.708	
Surrogate: 1-Chlorooctane	105 9	35-147	7						
Surrogate: 1-Chlorooctadecane	112 9	6 28-171							

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Celey D. Keene, Lab Director/Quality Manager



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Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-7 1' (H601887-09)

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	08/24/2016	ND	2.37	118	2.00	1.51	
Toluene*	<0.050	0.050	08/24/2016	ND	2.37	118	2.00	1.94	
Ethylbenzene*	<0.050	0.050	08/24/2016	ND	2.22	111	2.00	2.56	
Total Xylenes*	<0.150	0.150	08/24/2016	ND	6.71	112	6.00	2.61	
Total BTEX	<0.300	0.300	08/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	6 73.6-14	0						
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	08/24/2016	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	<10.0	10.0	08/24/2016	ND	217	109	200	0.743	
DRO >C10-C28	<10.0	10.0	08/24/2016	ND	237	119	200	0.708	
Surrogate: 1-Chlorooctane	94.4 9	6 35-147	,						
Surrogate: 1-Chlorooctadecane	102 %	6 28-171							

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Celey D. Keene, Lab Director/Quality Manager



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Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-8 SURFACE (H601887-10)

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	08/24/2016	ND	2.37	118	2.00	1.51	
Toluene*	<0.050	0.050	08/24/2016	ND	2.37	118	2.00	1.94	
Ethylbenzene*	<0.050	0.050	08/24/2016	ND	2.22	111	2.00	2.56	
Total Xylenes*	<0.150	0.150	08/24/2016	ND	6.71	112	6.00	2.61	
Total BTEX	<0.300	0.300	08/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	08/24/2016	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	<10.0	10.0	08/24/2016	ND	217	109	200	0.743	
DRO >C10-C28	234	10.0	08/24/2016	ND	237	119	200	0.708	
Surrogate: 1-Chlorooctane	97.7	% 35-147							
Surrogate: 1-Chlorooctadecane	104 9	6 28-171							

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Celey D. Keene, Lab Director/Quality Manager



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Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-8 1' (H601887-11)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2016	ND	2.37	118	2.00	1.51	
Toluene*	<0.050	0.050	08/24/2016	ND	2.37	118	2.00	1.94	
Ethylbenzene*	<0.050	0.050	08/24/2016	ND	2.22	111	2.00	2.56	
Total Xylenes*	<0.150	0.150	08/24/2016	ND	6.71	112	6.00	2.61	
Total BTEX	<0.300	0.300	08/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	6 73.6-14	0						
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	08/24/2016	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	<10.0	10.0	08/24/2016	ND	217	109	200	0.743	
DRO >C10-C28	<10.0	10.0	08/24/2016	ND	237	119	200	0.708	
Surrogate: 1-Chlorooctane	96.2 %	35-147	,						
Surrogate: 1-Chlorooctadecane	105 %	6 28-171							

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Celey D. Keene, Lab Director/Quality Manager



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Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-9 1' (H601887-12)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2016	ND	2.37	118	2.00	1.51	
Toluene*	<0.050	0.050	08/24/2016	ND	2.37	118	2.00	1.94	
Ethylbenzene*	<0.050	0.050	08/24/2016	ND	2.22	111	2.00	2.56	
Total Xylenes*	<0.150	0.150	08/24/2016	ND	6.71	112	6.00	2.61	
Total BTEX	<0.300	0.300	08/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 %	6 73.6-14	0						
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	08/24/2016	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	<10.0	10.0	08/24/2016	ND	217	109	200	0.743	
DRO >C10-C28	<10.0	10.0	08/24/2016	ND	237	119	200	0.708	
Surrogate: 1-Chlorooctane	94.8 9	35-147	,						
Surrogate: 1-Chlorooctadecane	105 %	6 28-171							

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Celey D. Keene, Lab Director/Quality Manager



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Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-10 SURFACE (H601887-13)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/24/2016	ND	2.37	118	2.00	1.51	
Toluene*	<0.050	0.050	08/24/2016	ND	2.37	118	2.00	1.94	
Ethylbenzene*	<0.050	0.050	08/24/2016	ND	2.22	111	2.00	2.56	
Total Xylenes*	<0.150	0.150	08/24/2016	ND	6.71	112	6.00	2.61	
Total BTEX	<0.300	0.300	08/24/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	08/24/2016	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	<50.0	50.0	08/24/2016	ND	217	109	200	0.743	
DRO >C10-C28	1150	50.0	08/24/2016	ND	237	119	200	0.708	
Surrogate: 1-Chlorooctane	83.3	% 35-147							
Surrogate: 1-Chlorooctadecane	155 9	28-171							

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Celey D. Keene, Lab Director/Quality Manager



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Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-10 1' (H601887-14)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2016	ND	2.29	115	2.00	0.411	
Toluene*	<0.050	0.050	08/25/2016	ND	2.34	117	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/25/2016	ND	2.24	112	2.00	0.280	
Total Xylenes*	<0.150	0.150	08/25/2016	ND	6.80	113	6.00	0.295	
Total BTEX	<0.300	0.300	08/25/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 %	% 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/24/2016	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	<10.0	10.0	08/24/2016	ND	217	109	200	0.743	
DRO >C10-C28	<10.0	10.0	08/24/2016	ND	237	119	200	0.708	
Surrogate: 1-Chlorooctane	93.4 9	% 35-147							
Surrogate: 1-Chlorooctadecane	103 %	6 28-171							

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-11 1' (H601887-15)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2016	ND	2.29	115	2.00	0.411	
Toluene*	<0.050	0.050	08/25/2016	ND	2.34	117	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/25/2016	ND	2.24	112	2.00	0.280	
Total Xylenes*	<0.150	0.150	08/25/2016	ND	6.80	113	6.00	0.295	
Total BTEX	<0.300	0.300	08/25/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 %	6 73.6-14	0						
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	08/24/2016	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	<10.0	10.0	08/24/2016	ND	217	109	200	0.743	
DRO >C10-C28	2300	10.0	08/24/2016	ND	237	119	200	0.708	
Surrogate: 1-Chlorooctane	102 9	6 35-147	,						
Surrogate: 1-Chlorooctadecane	171 9	6 28-171							

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-12 SURFACE (H601887-16)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2016	ND	2.29	115	2.00	0.411	
Toluene*	<0.050	0.050	08/25/2016	ND	2.34	117	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/25/2016	ND	2.24	112	2.00	0.280	
Total Xylenes*	<0.150	0.150	08/25/2016	ND	6.80	113	6.00	0.295	
Total BTEX	<0.300	0.300	08/25/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 73.6-14	0						
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	08/24/2016	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	<10.0	10.0	08/24/2016	ND	217	109	200	0.743	
DRO >C10-C28	<10.0	10.0	08/24/2016	ND	237	119	200	0.708	
Surrogate: 1-Chlorooctane	99.2	% 35-147							
Surrogate: 1-Chlorooctadecane	105 9	28-171							

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Celey D. Keene, Lab Director/Quality Manager


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Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-12 1' (H601887-17)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2016	ND	2.29	115	2.00	0.411	
Toluene*	<0.050	0.050	08/25/2016	ND	2.34	117	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/25/2016	ND	2.24	112	2.00	0.280	
Total Xylenes*	<0.150	0.150	08/25/2016	ND	6.80	113	6.00	0.295	
Total BTEX	<0.300	0.300	08/25/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	6 73.6-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/24/2016	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	<10.0	10.0	08/24/2016	ND	217	109	200	0.743	
DRO >C10-C28	922	10.0	08/24/2016	ND	237	119	200	0.708	
Surrogate: 1-Chlorooctane	111 %	6 35-147	,						
Surrogate: 1-Chlorooctadecane	167 %	6 28-171							

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-13 1' (H601887-18)

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	08/25/2016	ND	2.29	115	2.00	0.411	
Toluene*	<0.050	0.050	08/25/2016	ND	2.34	117	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/25/2016	ND	2.24	112	2.00	0.280	
Total Xylenes*	<0.150	0.150	08/25/2016	ND	6.80	113	6.00	0.295	
Total BTEX	<0.300	0.300	08/25/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 73.6-14	0						
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	08/24/2016	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	<10.0	10.0	08/25/2016	ND	217	109	200	0.743	
DRO >C10-C28	648	10.0	08/25/2016	ND	237	119	200	0.708	
Surrogate: 1-Chlorooctane	106 9	35-147	,						
Surrogate: 1-Chlorooctadecane	119 9	6 28-171							

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-14 SURFACE (H601887-19)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2016	ND	2.29	115	2.00	0.411	
Toluene*	<0.050	0.050	08/25/2016	ND	2.34	117	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/25/2016	ND	2.24	112	2.00	0.280	
Total Xylenes*	<0.150	0.150	08/25/2016	ND	6.80	113	6.00	0.295	
Total BTEX	<0.300	0.300	08/25/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	108 9	73.6-14	0						
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	08/24/2016	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	<10.0	10.0	08/25/2016	ND	217	109	200	0.743	
DRO >C10-C28	44.4	10.0	08/25/2016	ND	237	119	200	0.708	
Surrogate: 1-Chlorooctane	103 9	35-147							
Surrogate: 1-Chlorooctadecane	101 9	28-171							

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-14 1' (H601887-20)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/25/2016	ND	2.29	115	2.00	0.411	
Toluene*	<0.050	0.050	08/25/2016	ND	2.34	117	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/25/2016	ND	2.24	112	2.00	0.280	
Total Xylenes*	<0.150	0.150	08/25/2016	ND	6.80	113	6.00	0.295	
Total BTEX	<0.300	0.300	08/25/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	73.6-14	0						
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	08/24/2016	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	08/25/2016	ND	217	109	200	0.743	
DRO >C10-C28	4270	10.0	08/25/2016	ND	237	119	200	0.708	
Surrogate: 1-Chlorooctane	104 9	35-147	,						
Surrogate: 1-Chlorooctadecane	232 9	6 28-171							

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-15 1' (H601887-21)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/26/2016	ND	2.29	115	2.00	0.411	
Toluene*	<0.050	0.050	08/26/2016	ND	2.34	117	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/26/2016	ND	2.24	112	2.00	0.280	
Total Xylenes*	<0.150	0.150	08/26/2016	ND	6.80	113	6.00	0.295	
Total BTEX	<0.300	0.300	08/26/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	73.6-14	0						
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	08/24/2016	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	<200	200	08/24/2016	ND	217	109	200	0.743	
DRO >C10-C28	3110	200	08/24/2016	ND	237	119	200	0.708	
Surrogate: 1-Chlorooctane	54.9	% 35-147	7						
Surrogate: 1-Chlorooctadecane	248 9	28-171							

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

Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-16 SURFACE (H601887-22)

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	08/25/2016	ND	2.29	115	2.00	0.411	
Toluene*	<0.050	0.050	08/25/2016	ND	2.34	117	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/26/2016	ND	2.24	112	2.00	0.280	
Total Xylenes*	<0.150	0.150	08/25/2016	ND	6.80	113	6.00	0.295	
Total BTEX	<0.300	0.300	08/25/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	73.6-14	0						
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	08/24/2016	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	<50.0	50.0	08/24/2016	ND	217	109	200	0.743	
DRO >C10-C28	1130	50.0	08/24/2016	ND	237	119	200	0.708	
Surrogate: 1-Chlorooctane	81.2	% 35-147							
Surrogate: 1-Chlorooctadecane	165 9	28-171							

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Celey D. Keene, Lab Director/Quality Manager



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

Received:	08/23/2016	Sampling Date:	08/19/2016
Reported:	08/30/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-16 1' (H601887-23)

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	08/25/2016	ND	2.29	115	2.00	0.411	
Toluene*	<0.050	0.050	08/25/2016	ND	2.34	117	2.00	0.253	
Ethylbenzene*	<0.050	0.050	08/25/2016	ND	2.24	112	2.00	0.280	
Total Xylenes*	<0.150	0.150	08/25/2016	ND	6.80	113	6.00	0.295	
Total BTEX	<0.300	0.300	08/25/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	73.6-14	0						
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	08/24/2016	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	<10.0	10.0	08/25/2016	ND	195	97.5	200	0.460	
DRO >C10-C28	<10.0	10.0	08/25/2016	ND	210	105	200	1.75	
Surrogate: 1-Chlorooctane	83.4	% 35-147	,						
Surrogate: 1-Chlorooctadecane	86.7	28-171							

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Notes and Definitions

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

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Celey D. Keene, Lab Director/Quality Manager

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

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Company Name:	Safety and	Environmental Solutions	BILL TO	ANALYSIS REQUEST	
Project Manager:	" Bob Allen		P.O. #:		_
Address: 70	703 East Clinton, PC	PO Box 1613	Company: Same		
City: Ho	Hobbs	State: NM Zip: 88240			
Phone #: 575	575 397-0510	Fax #: 575 393-4388	Address:		
Project #: GAN	4-16-003	Project Owner:	City:		
Project Name:	RmR-16-002	002 *	State: Zip:		
Project Location:			Phone #:		
Sampler Name:			Fax #:		
FOR LAB USE ONLY		MATRIX	PRESERV. SAMPLING	D.	
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Lab I.D.	Sample I.D.	RAB OR (C ONTAINER DUNDWAT STEWATE	HER : D/BASE: / COOL HER :	TPI	
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PLEASE NOTE: Liability and	AHX Suface		V OXIA	USS KKK	
analyses. All claims including service. In no event shall Caro affiliates or successors arising	Lusonny and Learnages. Cardinals satoliny and clien ins including those for negligence and any other ca- ent shall Cardinal be liable for incidental or consequi stors arising out of or related to the performance o	1.C.X-X-E WVIE: Leaving and Using sec. Caronia's stanty and clears exclusive remoty for any stant analyses. All clears including those for negligence and any other successful clears including those for negligence and any other cause whatsoever shall be deemed waived unless made in witing and received by Cardinal within 30 days after completion that applic service. In no event shall Cardinal within 30 days after completion cause whatsoever shall be deemed waived unless made in witing and received by Cardinal within 30 days after completion that applic service. In no event shall Cardinal be liable for incidential or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by clearly testodatines, attitutes or successors arising out of or related to the performance of services hereinder to Cardinal incorrections of whether event shall be to access the access at the a	ict or fort, shall be limited to the amount pain rid received by Cardinal within 30 days after the second second profits incurred by a le becard upon any of the above stated on the becard upon any of the above stated on	d by the client for the' rompletion of the applicable fient, its subsidiantes,	
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Relinquished By:	0	Date: 777/16 Received By:		* Revere enanged have of	
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Delivered By:	(Circle One)	Sample Condition	CHECKED BY:	A A	

Sampler - UPS - Bus - Other:

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Cool

Yes Tes No Condition

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Safety and Environmental Solutions	Solutions		BILL TO			ANALYSIS REQUEST	ST
Project Manager:	Bob Allen		P.O. #:					
Address: 70	703 East Clinton, PO Box 1613		Company:	iny: Same				
City: Ho	Hobbs State: NM	Zip: 88240	Attn:	1				
Phone #: 575	575 397-0510 Fax #: 575	393-4388	Address:	S:				
Project #:	North Owner:	er:	City:					
Project Name:	RMR - 16.002		State:	Zip:				
Project Location:			Phone	#				
Sampler Name:			Fax #:			2¢		
FOR LAB USE ONLY		M	MATRIX PRE	PRESERV. SAMPLING	IG	0		
		RS			PA	5X ria		
Lab I.D.	Sample I.D.	G)RAB OR (# CONTAINE GROUNDWA WASTEWATI	DIL BLUDGE DTHER : ACID/BASE:	CE / COOL DTHER : DATE	TIME	Brechb		
11	AHS IFT	-			(200 ×	54		
12	AH9 (FT	GI		*	512 L			
51	AH-10 Sugar	51		X	1230			
Iq	ALT IO IFT	G I V		XIII	230			
U	AH-11 17			X	1300			
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19	Att 14 Supre	× ×			1405)			
20	AHIU IFT			F 08/19 1	itco X	K K		
PLEASE NOTE: Liability and I analyses. All claims including i service in no event shall Cord	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim anising whether based in contract or lost, shall be limited to the amount paid by the client for the analyses. All claims including those for registration of any other cause whatsoever shall be deened waived unless made in withing and received by Cardinal within 30 days after completion of the applicab service In on event what Cover shall be deened waived unless made in withing and received by Cardinal within 30 days after completion of the applicab service In on event what Cover has a for completion of the applicab service In one event what Cardinal whether the liable for information of the applicab service In one event what Cardinal within 30 days after completion of the applicab service In one event what Cardinal within 30 days after completion of the applicab service In one event what Cardinal which 30 days after completion of the applicab service In one event what Cardinal within 30 days after completion of the applicab service In one event what Cardinal within 30 days after completion of the applicab service In one event what Cardinal within 30 days after completion of the applicab service In one event what Cardinal within 30 days after completion of the applicab service In one event what Cardinal within 30 days after completion of the applicab service In one event what cardinal service Interview of the applicab service Interview of the ap	r any claim arising whether bas e deemed waived unless made	ed in contract or tort, shall b in writing and received by (e invited to the amount paid b Cardinal within 30 days after c	y the client for the ompletion of the applical	ble		
affiliates or successors arising	filiates or successors arising out of or related to the performance of services hereunder beauting the services hereunder beauting thereunder beauting the services hereunder beauting the ser	of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise Dato: Dato: Dato	er such claim is based upon	any of the above stated reaso			Add'I Dhono #:	
Sar	Tiger Kou	D	e e e e e e e e e e e e e e e e e e e		REMARKS:		Add'l Fax #:	
Relinquished By:		Received By!	Alen	Jon				
Defivered By:	(Circle One)		Sample Condition C	CHECKED BY:				
Sampler - UPS -	Bus - Other:	4.5° Pres	Yes Yes	AA				
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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	Safety and Environmental Solutions	olutions	BILL TO		ANALYSIS REQUEST
Project Manager:			P.O. #:		
Address: 70	703 East Clinton, PO Box 1613		Company: Same		
City: Ho	Hobbs State: NM	Zip: 88240			
Phone #: 575	575 397-0510 Fax #: 575 3	575 393-4388	Address:		
Project #: Gran	J-16-007 Project Owner:		City:		
Project Name:	RMR - 16-002	2	State: Zip:		
Project Location:			Phone #:		
Sampler Name:			Fax #:		
FOR LAB USE ONLY		MATRIX	IX PRESERV SAMPLING	20	
		RS		H CX	
Lab I.D.	Sample I.D.	RAB OR (CONTAINE ROUNDWA ASTEWATI	UDGE HER : ID/BASE: I / COOL HER :	TP BTC CAL	
	11-10-17	- # 0	S C A E C		
22	2-		K AXIA	SOO X S T	
26	AH-16 (FT	414	-	225 K X X	
PLEASE NOTE: Liability and I	PLEASE NOTE: Liability and Damages. Candinal's liability and client's exclusive remedy for any claim arising whether based in contrast of the line around half be limited to the around half be limited to the around half be limited to the	v daim arising whether based in a	notrad or foot shall be Emired to the amount hald be	the vice the	
analyses. All claims including t service. In no event shall Card affiliates or successors arising	analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicat service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by clerit, its subsidiaries, affiaries or successors arising out of or related to the performance of services, hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	eemed waived unless made in wri without limitation, business interru irdinal, regardless of whether suct	ting and received by Cardinal within 30 days after co- ptions, loss of use, or loss of profits incurred by client or claim is based upon any of the above stated reason	mpletion of the applicable t, its subsidiaries, Is or otherwise.	
Kenniduistied by:	Tiger 00	Received By:	R	Phone Result: Fax Result: REMARKS: Yes No	o Add'I Phone #: o Add'I Fax #:
	04: Say Investigation	Received By:	Henson.		
Sampler - LIDS -		Cool Intact	act /(Initials)		
		F	NO TW		



September 06, 2016

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: RMR-16-002

Enclosed are the results of analyses for samples received by the laboratory on 09/02/16 16:30.

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

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

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

Accreditation applies to public drinking water matrices.

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:	09/02/2016	Sampling Date:	09/02/2016
Reported:	09/06/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-2 2.5' (H601979-01)

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	09/06/2016	ND	2.13	107	2.00	0.929	
Toluene*	<0.050	0.050	09/06/2016	ND	2.18	109	2.00	1.23	
Ethylbenzene*	<0.050	0.050	09/06/2016	ND	2.11	105	2.00	0.932	
Total Xylenes*	<0.150	0.150	09/06/2016	ND	6.41	107	6.00	0.744	
Total BTEX	<0.300	0.300	09/06/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5 9	% 73.6-14	0						
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	09/06/2016	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	<10.0	10.0	09/02/2016	ND	203	102	200	3.23	
DRO >C10-C28	<10.0	10.0	09/02/2016	ND	223	111	200	3.64	
Surrogate: 1-Chlorooctane	97.3 9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	105 %	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:	09/02/2016	Sampling Date:	09/02/2016
Reported:	09/06/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-4 2.5' (H601979-02)

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	09/06/2016	ND	2.13	107	2.00	0.929	
Toluene*	<0.050	0.050	09/06/2016	ND	2.18	109	2.00	1.23	
Ethylbenzene*	<0.050	0.050	09/06/2016	ND	2.11	105	2.00	0.932	
Total Xylenes*	<0.150	0.150	09/06/2016	ND	6.41	107	6.00	0.744	
Total BTEX	<0.300	0.300	09/06/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2 9	73.6-14	0						
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	09/06/2016	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	<10.0	10.0	09/02/2016	ND	203	102	200	3.23	
DRO >C10-C28	<10.0	10.0	09/02/2016	ND	223	111	200	3.64	
Surrogate: 1-Chlorooctane	93.0 9	% 35-147	7						
Surrogate: 1-Chlorooctadecane	104 %	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:	09/02/2016	Sampling Date:	09/02/2016
Reported:	09/06/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-13 3' (H601979-03)

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	09/06/2016	ND	2.13	107	2.00	0.929	
Toluene*	<0.050	0.050	09/06/2016	ND	2.18	109	2.00	1.23	
Ethylbenzene*	<0.050	0.050	09/06/2016	ND	2.11	105	2.00	0.932	
Total Xylenes*	<0.150	0.150	09/06/2016	ND	6.41	107	6.00	0.744	
Total BTEX	<0.300	0.300	09/06/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.9 %	6 73.6-14	0						
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	09/06/2016	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	<10.0	10.0	09/02/2016	ND	203	102	200	3.23	
DRO >C10-C28	<10.0	10.0	09/02/2016	ND	223	111	200	3.64	
Surrogate: 1-Chlorooctane	98.5 %	35-147	,						
Surrogate: 1-Chlorooctadecane	111 %	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:	09/02/2016	Sampling Date:	09/02/2016
Reported:	09/06/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: AH-14 2.5' (H601979-04)

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	09/06/2016	ND	2.13	107	2.00	0.929	
Toluene*	<0.050	0.050	09/06/2016	ND	2.18	109	2.00	1.23	
Ethylbenzene*	<0.050	0.050	09/06/2016	ND	2.11	105	2.00	0.932	
Total Xylenes*	<0.150	0.150	09/06/2016	ND	6.41	107	6.00	0.744	
Total BTEX	<0.300	0.300	09/06/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.7	% 73.6-14	0						
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	09/06/2016	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	<10.0	10.0	09/02/2016	ND	203	102	200	3.23	
DRO >C10-C28	<10.0	10.0	09/02/2016	ND	223	111	200	3.64	
Surrogate: 1-Chlorooctane	103 9	% 35-147							
Surrogate: 1-Chlorooctadecane	1169	6 28-171							

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 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 Loratories.

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 6 of 7



101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Project #: RMR -16 - 002 City: Project Manager: Company Name: Project Name: Sampler Name: Project Location: Phone #: Address: analyses. All claims including those for neg service. In no event shall Cardinal be liable H601979 Sampler - UPS - Bus - Other: Relinduished By: Relinquished By: FOR LAB USE ONLY Delivered By: (Circle One) LEASE NOTE: Li Lab I.D. † Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326 Q EGAN (575) 393-2326 FAX (575) 393-2476 もち 2527 negliger Sample I.D. for and any other いたち it so 2.54 Project Owner: Fax #: Date: State: Time: O ax/16 er shall be ueemed including without limitation, busin 3.30 for any Zip: G)RAB OR (C)OMP Received By: Received By # CONTAINERS GROUNDWATER Cool Intact Yes Yes WASTEWATER Sample Condition MATRIX 3-57 SOIL \prec OIL writing and recei SLUDGE ons, loss of use, or loss of profits State: City: P.O. #: Attn: Address: Company: OTHER Fax #: Phone #: ACID/BASE PRESERV ved by Cardinal within 30 days after cor 5 CICE / COOL 35 HECKED BY: (Initials) BILL TO OTHER Zip 20/60 20/20 09/02 1305 g DATE SAMPLING nourred by client, its subsidiaries 122 paid by the client for Lie Fax Result: REMARKS: Phone Result: (340 (230 1400 TIME tion of the applicable 8015 TPH BTT-X Chlondy □ Yes KINSK Yes I No Add'l Fax #: ANALYSIS REQUEST Add'l Phone #:

Page 7 of 7



September 09, 2016

Bob Allen

Safety & Environmental Solutions

703 East Clinton

Hobbs, NM 88240

RE: RMR-16-002

Enclosed are the results of analyses for samples received by the laboratory on 09/08/16 16:30.

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

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

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

Accreditation applies to public drinking water matrices.

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:	09/08/2016	Sampling Date:	09/08/2016
Reported:	09/09/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Angela Cabrera
Project Location:	NOT GIVEN		

Sample ID: SP-17 7' (H602027-01)

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	09/09/2016	ND	2.15	107	2.00	2.29	
Toluene*	<0.050	0.050	09/09/2016	ND	2.19	110	2.00	2.59	
Ethylbenzene*	<0.050	0.050	09/09/2016	ND	2.12	106	2.00	2.48	
Total Xylenes*	<0.150	0.150	09/09/2016	ND	6.43	107	6.00	2.47	
Total BTEX	<0.300	0.300	09/09/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 73.6-14	0						
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	09/09/2016	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	09/09/2016	ND	184	92.1	200	17.6	
DRO >C10-C28	<10.0	10.0	09/09/2016	ND	196	97.9	200	18.2	
Surrogate: 1-Chlorooctane	96.9	% 35-147	,						
Surrogate: 1-Chlorooctadecane	102 9	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:	09/08/2016	Sampling Date:	09/08/2016
Reported:	09/09/2016	Sampling Type:	Soil
Project Name:	RMR-16-002	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Angela Cabrera
Project Location:	NOT GIVEN		

Sample ID: SP-17 9' (H602027-02)

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	09/09/2016	ND	2.15	107	2.00	2.29	
Toluene*	<0.050	0.050	09/09/2016	ND	2.19	110	2.00	2.59	
Ethylbenzene*	<0.050	0.050	09/09/2016	ND	2.12	106	2.00	2.48	
Total Xylenes*	<0.150	0.150	09/09/2016	ND	6.43	107	6.00	2.47	
Total BTEX	<0.300	0.300	09/09/2016	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2 9	73.6-14	0						
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	09/09/2016	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	09/09/2016	ND	184	92.1	200	17.6	
DRO >C10-C28	<10.0	10.0	09/09/2016	ND	196	97.9	200	18.2	
Surrogate: 1-Chlorooctane	102 %	6 35-147	,						
Surrogate: 1-Chlorooctadecane	113 %	6 28-171							

Cardinal Laboratories

*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Notes and Definitions

QR-02	The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	hed By:	FLEASE NO IF: Librarity and Damages. Cardinal's stability and clerits exclusive nonexy for any dam arising whether based in contract or tot, shall be limited to the amount paid by the clerit for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 20 days after completion of the appears service. In no event shall Cardinal be liable for incidential or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by clerit, its subsidiaries, affiliates or successors ansiging out of or related to the performance of services herounder by Cardinal, relativals of whether such claim is based upon any of the above stated reasons or otherwise.				to crast	47 7.42 1-	Lab I.D. Sample I.D.		FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name:	Project #: KMR-16-002 Pi	Phone #: 575 397-0510 Fa	city: Hobbs s	Address: 703 East Clinton, PO B	Project Manager: Bob Allen	Company Name: Safety and Environmental Solutions	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		Laborat	CARDINAL			
<i>γ</i> , <i>γ</i> , <i>α</i>	2 XILLe Received	Custwe ennedy for any dam arising whether based in contract or to whatsoever shall be deemed waived unless made in writing and rece I damages, including without limitation, business interruptions, loss o inos hereunder by Cardinal, regardless of whether such dam is bas					/	6/	# CO GRO WAS SOIL OIL	UDGE		MATRIX	Fa	P	St	Project Owner: Ci	Fax #: 575 393-4388 Ac	State: NM Zip: 88240 A	PO Box 1613 c		nmental Solutions	s, NM 88240 5) 393-2476		ories	NAL	
CHECKED BY: (Initials)		enter based in contract or tort, shall be invited to the emount pair ess made in writing and received by Cardinal within 30 days afte business interruptions, loss of use, or loss of profits incurred by o of whether such datim is based upon any of the above stated ner				A CHON		X 196/05	ACID	/BASE: COOL		PRESERV. SAMPLING	Fax #:	Phone #:	State: Zip:	City:	Address:		Company: Same	P.O. #:	BILL TO					
Rudi.	Phone Result: Yes No Add'I Phone #: Fax Result: Yes No Add'I Fax #: REMARKS:	the amount paid by the client for the hin 30 days after completion of the applicable its incurred by client, its subsidiaries, boye stated reasons or otherwise.					2 2 Dave	1230XXX	TIME	TP. Bre Ch (W/ (80		5							ANALYSIS REQUEST		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST			

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Appendix D Site Photos



Sign marking location



Release Point Area



Release Point



Impacted area West side of location



Pasture Impact



Fluid run Southwest pasture area



Spill run impacting pasture



Impacted area west of location



Spill run looking south



Spill traverse west onto lease road



Spill Run North side



Surface Removal of north side



Standing fluid west of pad







Removal of surface impact



Impact inside bermed area



Surface removal



Test Trench



Test Trench



Surface removal at release point





Stockpiled soil

Cross Border Resources Nuckols



Test Trench 9-8-16 @ BH-6



Impacted Soil Demarcation Lines



Cross Border Resources Nuckols



Location of trench in relation to tanks



Depth of Impact

