

Ianuary 16, 2018

Environmental Specialist

SOUTHERN UTE INDIAN TRIBE

SAFETY & ENVIRONMENTAL
COMPLIANCE MANAGEMENT GROUP

APPROVED

By Olivia Yu at 1:39 pm, Mar 09, 2018

Ms. Olivia Yu

New Mexico Oil Conservation Division, District 1 Olivia.yu@state.nm.us

NMOCD grants closure to 1RP-4671.

Subject:

Frontier Field Services, LLC

Closure Request for Rhombus Union State Com 1

1RP-4671

Dear Ms. Yu,

Frontier Field Services, LLC (Frontier), a wholly-owned subsidiary of the Southern Ute Indian Tribe, is requesting NMOCD closure of the release that was discovered on April 2, 2017 at the Rhombus State Com 1.

Additional excavation and sampling was conducted during October 2017 in accordance with the plan approved by NMOCD and SLO on September 22 and October 12, 2017, respectively. Following confirmation that additional samples were below NMOCD cleanup levels, the excavation was lined with a 20 mil liner and backfilled with clean material. Figures 1, 2 and 3 show the site location, sample locations and excavation depths as requested in your December 1, 2017 email.

A summary of sample results is provided in Attachment A. Analytical laboratory reports are provided in Attachment B. Photos showing the final remedial actions are included in Attachment C.

Should you have any questions regarding this Closure Request, please contact me at (970) 764-6484.

Respectfully Submitted,

Graham Stahnke, PE

Sr. Environmental Compliance Specialist

Southern Ute Growth Fund

cc: Harley Everhart, Frontier Field Services, LLC

Andy Young, Regulatory Compliance Manager, SUGF

Amber Groves, SLO

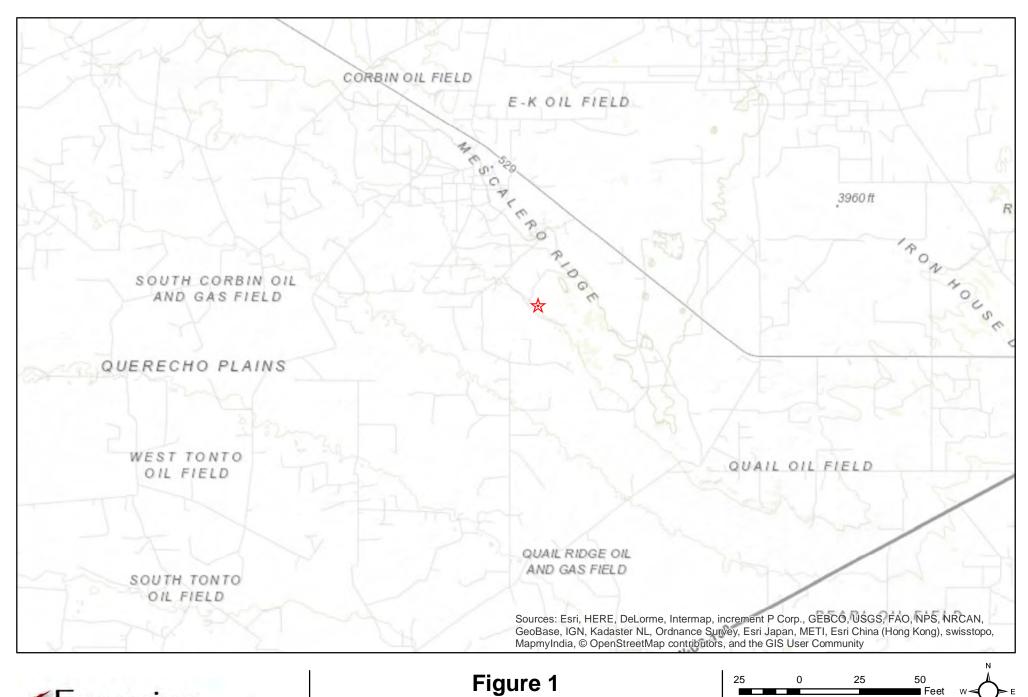
Figures

Attachment A - Sampling Results

Attachment B - Laboratory Analytical Reports

Attachment C - Photo Log

Figures

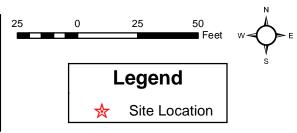


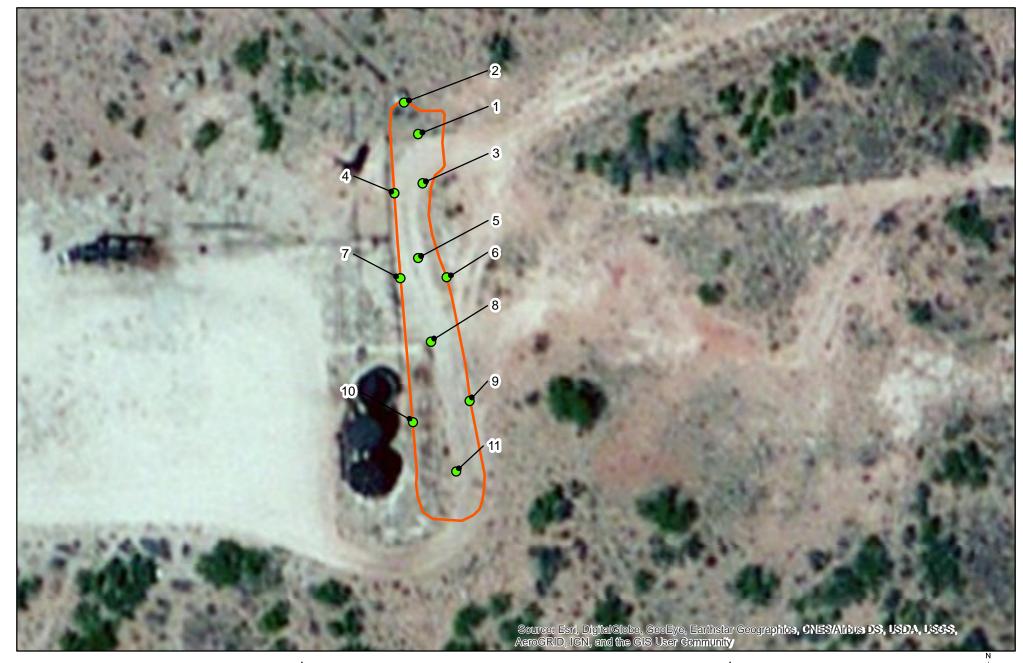


Date Saved: 12/27/2017 1:59:35 PM

Author: arohde

Site Location Map Rhombus Union State Com 1 UL D 18S 34E







Date Saved: 12/27/2017 1:17:22 PM Author: arohde

Figure 2
Excavation and Sample Locations Map
Rhombus Union State Com 1
UL D 18S 34E

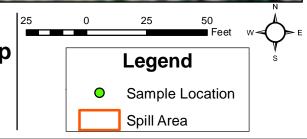
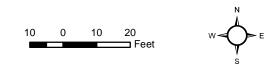






Figure 3 **Detailed Excavation Depth Map Rhombus Union State Com 1 UL D 18S 34E**



Date Saved: 12/27/2017 11:44:44 AM

Author: arohde

Attachment A – Sampling Results

Aka Energy Group 1RP-4671 / Rhombus Union State Com #1 TPH Concentration Levels Soil Samples

Sample ID Description	Sample # 4	Sample # 7	Sample #8	Sample # 9	Sample # X								Units	NMOCD
Sample Depth (feet bgs)	8'	8'	7'	6'	7') omis	Cleanup Levels
Date	10/10/2017	10/10/2017	10/10/2017	10/10/2017	10/10/2017									
Benzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
Toluene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
Ethylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
Total Xylenes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
Total BTEX	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
Chloride	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
GRO	<10.0	<10.0	<10.0	<10.0	<10.0	N/A	mg/Kg	TBD						
DRO	<10.0	<10.0	<10.0	<10.0	<10.0	N/A	mg/Kg	TBD						
EXT DRO	<10.0	<10.0	<10.0	<10.0	<10.0	N/A	mg/Kg	TBD						

Amended Remediation Plan

Note: This remediation site was not detrimental to public health, fresh water, animals, plant life, or to property

Acronyms:

NMOCD = New Mexico Oil Conservation Division

DRO = Diesel Range Organics (C6 - C10)

GRO = Gasoline Range Organics (>C10 - C28)

EXT DRO = Diesel Range Organics (>C28-C36)

Aka Energy Group 1RP-4671 / Rhombus Union State Com #1

AL	lger	5'	Chlor	ide	Soil	Samp	PS

Sample ID Description	Sample # 1	Sample # 5	Sample # 10										Units	NMOCD
Sample Depth (feet bgs)	12'	10'	9'										J	Cleanup Level
Date	10/10/2017	10/10/2017	10/10/2017											
Benzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
Toluene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
Ethylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
Total Xylenes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
Total BTEX	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
Chloride	128	128	32	N/A	mg/Kg	TBD								
GRO	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
DRO	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
EXT DRO	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD

Amended Remediation Plan

Note: This remediation site was not detrimental to public health, fresh water, animals, plant life, or to property

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NMOCD = New Mexico Oil Conservation Division

DRO = Diesel Range Organics (C6 - C10)

GRO = Gasoline Range Organics (>C10 - C28)

EXT DRO = Diesel Range Organics (>C28-C36)

Aka Energy Group 1RP-4671 / Rhombus Union State Com #1 East Of Leak

Sample ID Description	East Of Leak												Units	NMOCD
Sample Depth (feet bgs)	Surface												1 Oints	Cleanup Level
Date	10/10/2017												1	
Benzene	<0.050	N/A	mg/Kg	TBD										
Toluene	<0.050	N/A	mg/Kg	TBD										
Ethylbenzene	<0.050	N/A	mg/Kg	TBD										
Total Xylenes	<0.150	N/A	mg/Kg	TBD										
Total BTEX	<0.300	N/A	mg/Kg	TBD										
Chloride	32.0	N/A	mg/Kg	TBD										
GRO	<10.0	N/A	mg/Kg	TBD										
DRO	<10.0	N/A	mg/Kg	TBD										
EXT DRO	<10.0	N/A	mg/Kg	TBD										

Amended Remediation Work Plan

Note: This remediation site was not detrimental to public health, fresh water, animals, plant life, or to property

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DRO = Diesel Range Organics (C6 - C10)

GRO = Gasoline Range Organics (>C10 - C28)

EXT DRO = Diesel Range Organics (>C28-C36)

Aka Energy Group 1RP-4671 / Rhombus Union State Com #1

TPH Concentration Levels (2FT Auger Hole) Soil Samples

Sample ID Description	Sample # 4	Sample # 7	Sample # 8	Sample # 9	Sample # X								Units	NMOCD
Sample Depth (feet bgs)	10'	10'	9'	8'	9'								Julia	Cleanup Level
Date	10/12/2017	10/12/2017	10/12/2017	10/12/2017	10/12/2017									
Benzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
Toluene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
Ethylbenzene	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
Total Xylenes	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
Total BTEX	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
Chloride	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	mg/Kg	TBD
GRO	<10.0	<10.0	<10.0	<10.0	<10.0	N/A	mg/Kg	TBD						
DRO	<10.0	<10.0	<10.0	<10.0	<10.0	N/A	mg/Kg	TBD						
EXT DRO	<10.0	<10.0	<10.0	<10.0	<10.0	N/A	mg/Kg	TBD						

Amended Remediation Work Plan

Note: This remediation site was not detrimental to public health, fresh water, animals, plant life, or to property

Acronyms:

NMOCD = New Mexico Oil Conservation Division

DRO = Diesel Range Organics (C6 - C10)

GRO = Gasoline Range Organics (>C10 - C28)

EXT DRO = Diesel Range Organics (>C28-C36)

A	ttachment	B – Labo	ratory Ar	nalytical I	Reports



October 11, 2017

HARLEY EVERHART
FRONTIER FIELD SERVICES
4200 SKELLY DRIVE, SUITE 700
TULSA, OK 74135

RE: RHOMBUS

Enclosed are the results of analyses for samples received by the laboratory on 10/10/17 13:26.

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/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited 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.

Celeg D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



FRONTIER FIELD SERVICES HARLEY EVERHART 4200 SKELLY DRIVE, SUITE 700 TULSA OK, 74135

Fax To:

(575) 676-2401

Received:

10/10/2017

Sampling Date:

10/10/2017

Reported:

10/11/2017

Sampling Type:

Soil

Project Name:

RHOMBUS

Sampling Condition:

Cool & Intact

Project Number:

REMEDIATION PROJECT/ TPH CONC.

Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN

Sample ID: #4 - TPH CONCENTRATION LEVELS (H702723-01)

TPH 8015M	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2017	ND	224	112	200	3.60	
DRO >C10-C28	<10.0	10.0	10/10/2017	ND	230	115	200	8.94	
EXT DRO >C28-C36	<10.0	10.0	10/10/2017	ND					
Surrogate: 1-Chlorooctane	77.7 9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	77.1 %	% 34.7-15	7 .						

Sample ID: #7 - TPH CONCENTRATION LEVELS (H702723-02)

TPH 8015M	mg/i	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	10/10/2017	ND	224	112	200	3.60	
DRO >C10-C28	<10.0	10.0	10/10/2017	ND	230	115	200	8.94	
EXT DRO >C28-C36	<10.0	10.0	10/10/2017	ND					
Surrogate: 1-Chlorooctane	70.9 9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	67.7 9	% 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 toxt, 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 be deemed by Cardinal within thirty (30) days after completion of the applicable service. In no event shall be listed for incidental or consequential damages, including, without limitation, business interruptions, loss or 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 dailm 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 approved of Cardinal Laboratories.

Celeg D. Freene



FRONTIER FIELD SERVICES HARLEY EVERHART 4200 SKELLY DRIVE, SUITE 700 TULSA OK, 74135

Fax To:

REMEDIATION PROJECT/ TPH CONC.

(575) 676-2401

Received:

10/10/2017

Sampling Date:

10/10/2017

Reported:

10/11/2017

Sampling Type:

Soil

Project Name:

Sampling Condition:

Cool & Intact

RHOMBUS

Sample Received By:

Jodi Henson

Project Number: Project Location:

NONE GIVEN

Sample ID: #8 - TPH CONCENTRATION LEVELS (H702723-03)

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	10/10/2017	ND	224	112	200	3.60	
DRO >C10-C28	<10.0	10.0	10/10/2017	ND	230	115	200	8.94	
EXT DRO >C28-C36	<10.0	10.0	10/10/2017	ND					
Surrogate: 1-Chlorooctane	63.1 9	% 28.3-16	4		riverson gis de Grenoriche für Strad deserver				
Surrogate: 1-Chlorooctadecane	59.5 9	% 34.7-15	7						

Sample ID: #9 - TPH CONCENTRATION LEVELS (H702723-04)

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	10/10/2017	ND	224	112	200	3.60	
DRO >C10-C28	<10.0	10.0	10/10/2017	ND	230	115	200	8.94	
EXT DRO >C28-C36	<10.0	10.0	10/10/2017	ND					
Surrogate: 1-Chlorooctane	66.4 9	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	61.49	% 34.7-15	7						

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Keine



FRONTIER FIELD SERVICES HARLEY EVERHART 4200 SKELLY DRIVE, SUITE 700 TULSA OK, 74135

Fax To: (575) 676-2401

Received:

10/10/2017

Sampling Date:

10/10/2017

Reported:

Soil

10/11/2017

Sampling Type:

Cool & Intact

Project Name:

RHOMBUS

Sampling Condition:

Project Number:

REMEDIATION PROJECT/ TPH CONC.

Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN

Sample ID: #X - TPH CONCENTRATION LEVELS (H702723-05)

TPH 8015M	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2017	ND	224	112	200	3.60	
DRO >C10-C28	<10.0	10.0	10/10/2017	ND	230	115	200	8.94	
EXT DRO >C28-C36	<10.0	10.0	10/10/2017	ND					
Surrogate: 1-Chlorooctane	55.6 %	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	55.9 %	% 34.7-15	7						

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Kranne -



Notes and Definitions

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keine



Rush

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

ompany Name: Frantis Field Sera	ine CAL	Ec ?	- Kryy)	BI	LL TO				ANALYS	IS REQUI	EST	
oject Manager:			/1	P.O. #:								
idress: 1001 Canoco Rd.				Company:								
y: Molyamer S	tate: N 40	Zip: 🖇	6260	Attn:								
ione #: 575 5/34927 Fa	c#:			Address:	3,4							
	ject Owner:			City:	,		IN .					
oject Name: 7 PH Consentration	pa .			State:	Zip:		410.					
oject Location: R40 - 60 = Re.		. 8	rest	Phone #:			73				- Indiana	
mpler Name: Halla Everhert			-/	Fax #:			4					-
DR LAB LI E JILY			MATRIX	PRESERV	SAMPL	ING	1					
TD2723 1		(G)RAB OR (C)OMP # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL	OTHER ACID/BASE ICE / COOL OTHER	10:10	TIME It: as	104 Cm					
3 48- 11		-		1		11.28	/					
4 09-		1		1	•	1227	1					
3 - x-			1	- /	10.16	11.40	1					
											1	
	-											
linquished By: Dat Time elivered By: (Circle One)	estoover shall be dee lamages, including set on innectation by Land e: -/5://2 e: 26	Recei	wed unless made in writing an itation business who nuclearly	d received by Cardinal violes if use or lose of pris based upon any of the	othin 30 days all rolls incurred by e above stated re	Phone Result	sult: Yes	□ No	Add'l Phone Add'l Fax #:		2	



October 11, 2017

HARLEY EVERHART
FRONTIER FIELD SERVICES
4200 SKELLY DRIVE, SUITE 700
TULSA, OK 74135

RE: RHOMBUS

Enclosed are the results of analyses for samples received by the laboratory on 10/10/17 13:26.

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 accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/ga/lab accredited 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.

Celeg D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



FRONTIER FIELD SERVICES HARLEY EVERHART 4200 SKELLY DRIVE, SUITE 700 TULSA OK, 74135

Fax To: (575) 676-2401

Received:

10/10/2017

Sampling Date:

10/10/2017

Reported:

Sampling Type:

Soil

10/11/2017

Project Name:

RHOMBUS

Sampling Condition:

Cool & Intact

Project Number:

AUGERED SAMPLES (CHLORIDES)

Sample Received By:

Jodi Henson

Project Location:

NONE GIVEN

Sample ID: #1 (AUGARED CHLORIDE SAMPLE) (H702724-01)

Parished and Autoputter	CHESTER DALLI EL) (IN OLI LI	
Chloride, SM4500CI-B	mg/kg	Analyzed By: AC

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/11/2017	ND	432	108	400	3.64	

Sample ID: #5 (AUGARED CHLORIDE SAMPLE) (H702724-02)

Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	10/11/2017	ND	432	108	400	3.64	

Sample ID: #10 (AUGARED CHLORIDE SAMPLE) (H702724-03)

Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/11/2017	ND	432	108	400	3.64	

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. Kreene



Notes and Definitions

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

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

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

*** Insufficient time to reach temperature.

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

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

Cardinal Laboratories *=Accredited Analyte

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Celen D. Keene



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Frontier Field Seave	es (Aka France)	BILL TO	ANALYSIS REQUEST
Project Manager:	13.	P.O. #:	
Address: 1001 Cono co Rol.		Company:	
City: Malyamer State: No	Zip: #4366	Attn:	
Phone #: 5755/3 1522 Fax #:		Address:	
Project #: Project Own	or.	City:	
		State: Zip:	
Project Name: August Sample Project Location: Physical Remarks	2 (Commission)	Phone #:	
Complet Location: Lynn benca Competio	Tion	Fax #:	
Sampler Name: Har lan Eventont	MATRIX	PRESERV SAMPLING	4
Hab I.D. Sample I.D. Hab I.D. Hab I.D. Hab I.D. Hab I.D. Sample I.D. Hab I.D. Hab I.D. Hab I.D. Hab I.D. Hab I.D. Sample I.D. Hab I.D.	# CONTAINERS # CONTAINERS GROUNDWATER WASTEWATER C SOIL OIL	OTHER ACIDIBASE OTHER ACIDIBASE OTHER OF OF OF OTHER OTHER OF OF OTHER OTHER OF OF OTHER	Chlaw ick
PLEASE NOTE: Liabidity, and Carragges: Cardinol a bability and identify exclusive rememby to analysis. All claims including the imagingance and any other same whatsoever shall be service. In no event shall Cardinol be lable for insidential in consequential damages including arbitrate to sufficiency of the remains to the performance of treatment by: Relinquished By: Relinquished By: Date: Time: Delivered By: (Circle One) Sampler - UPS - Bus - Other:	deemed was-ed unless made in veiting any veiting and year of the substants infrarruptional. Performal impartitions of whether south clean. Perceived By: Received By: Received By: Sample Conditi	nd received by Cardinal within 30 days after completion of the loss after completion of the loss of loss of profile incurred by chent, its subsides to based upon any of the above stated reasons or otherwise. Phone Res Fax Result REMARKS	e applicable nea sult:

† Cardinal cannot accept verbal changes. Please fax written changes to (575)[893-426, 25 2



October 12, 2017

HARLEY EVERHART
FRONTIER FIELD SERVICES
4200 SKELLY DRIVE, SUITE 700
TULSA, OK 74135

RE: RHOMBUS

Enclosed are the results of analyses for samples received by the laboratory on 10/10/17 13:26.

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/qa/lab accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab accredited certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



FRONTIER FIELD SERVICES HARLEY EVERHART 4200 SKELLY DRIVE, SUITE 700 TULSA OK, 74135

Fax To:

(575) 676-2401

Received:

10/10/2017

Sampling Date:

10/10/2017

Reported:

10/12/2017

Sampling Type:

Soil

Cool & Intact

Project Name:

RHOMBUS

Sampling Condition: Sample Received By:

Jodi Henson

Project Number: Project Location:

NONE GIVEN

E. OF THE RELEASE LOCATION

Sample ID: EAST OF LEAK LOCATION (H702725-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2017	ND	1.97	98.4	2.00	0.444	
Toluene*	<0.050	0.050	10/11/2017	ND	1.78	89.1	2.00	0.693	
Ethylbenzene*	<0.050	0.050	10/11/2017	ND	1.83	91.5	2.00	0.604	
Total Xylenes*	<0.150	0.150	10/11/2017	ND	5.63	93.8	6.00	0.116	
Total BTEX	<0.300	0.300	10/11/2017	ND					
Surrogate: 4-Bromofluorobenzene (PIL	111	% 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	10/11/2017	ND	432	108	400	3.64	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/10/2017	ND	224	112	200	3.60	
DRO >C10-C28	<10.0	10.0	10/10/2017	ND	230	115	200	8.94	
EXT DRO >C28-C36	<10.0	10.0	10/10/2017	ND					
Surrogate: 1-Chlorooctane	77.4	% 28.3-16	4		and the second seco				
Surrogate: 1-Chlorooctadecane	81.1	% 34.7-15	7						

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Kreene-



Notes and Definitions

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 SM4S00Cl-B does not require samples be received at or below 6°C

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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name:	which Field Service Co	the Engl	BILL TO	ANALYSIS REQUEST
Project Manager:		77	P.O. #:	
Address: 1001	Canoca Zel		Company:	
		Zip: 88 280	Attn:	
City: #1	34 52 Fax #:		Address:	
Project #:	Project Owne	r:	City: 07 9	
Project Name: &	st of The Relise	Lacotion	State: Zip:	
	hom has Remadel		Phone #:	
Sampler Name: 4	ch Euchort	147	Fax #:	
FOR LAB HISE ONLY		MATRIX	PRESERV. SAMPLING	
Lab I.D. H702728	Sample I.D.	(G)RAB OR (C)OM # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	OTHER ACIDIBASE OTHER OTHER OTHER OTHER OTHER	X STEN
Relinquished By: Delivered By: (Circ	or registerice and any the same whotsoever shall be	decembed weeked unless in the time writing a without firmlation. In the time to the representational regardless it whether such claim Regelved By: Received By: Sample Condition	tion to that shall be leaded to the amount and by the clebed in old received by Certifinal within 30 days after completion of is loss if time, or loss of profile incursed by clebed, its solvies is as the completion of the above stated to ask on an other of the above stated to ask on an other of the completion of the above stated to ask on an other of the above stated to ask on an other of the above stated to ask on an other of the above stated to ask on an other of the above stated to ask on an other of the above stated to ask on an other of the above stated to ask on a stated to ask of the above stated to ask on a stated to ask of the above stated to ask on a stated to ask of the above	the applicable

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2936.



October 18, 2017

HARLEY EVERHART
FRONTIER FIELD SERVICES
4200 SKELLY DRIVE, SUITE 700
TULSA, OK 74135

RE: RHOMBUS

Enclosed are the results of analyses for samples received by the laboratory on 10/12/17 13:00.

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 accredited certif.html.

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

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

Accreditation applies to public drinking water matrices.

Celey D. Keine

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

Sincerely,

Celey D. Keene

Lab Director/Quality Manager



FRONTIER FIELD SERVICES HARLEY EVERHART 4200 SKELLY DRIVE, SUITE 700 TULSA OK, 74135

Fax To: (575) 676-2401

Received:

10/12/2017

Sampling Date:

10/12/2017

Reported:

10/18/2017

Soil

Sampling Type:

Project Name:

RHOMBUS

Sampling Condition:

Cool & Intact

Project Number: Project Location: TPH CONCENTRATION 2FT AUGER HOLE NONE GIVEN

Sample Received By:

Tamara Oldaker

Sample ID: #4 - TPH CONCENTRATION AUGER HOLES (H702761-01)

TPH 8015M	mg/l	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/13/2017	ND	216	108	200	4.83	
DRO >C10-C28	<10.0	10.0	10/13/2017	ND	229	114	200	8.00	
EXT DRO >C28-C36	<10.0	10.0	10/13/2017	ND					
Surrogate: 1-Chlorooctane	74.8 %	6 28.3-16	4						
Surrogate: 1-Chlorooctadecane	76.1 %	6 34.7-15	7						

Sample ID: #7 - TPH CONCENTRATION AUGER HOLES (H702761-02)

TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/13/2017	ND	216	108	200	4.83	
DRO >C10-C28	<10.0	10.0	10/13/2017	ND	229	114	200	8.00	
EXT DRO >C28-C36	<10.0	10.0	10/13/2017	ND					
Surrogate: 1-Chlorooctane	70.1	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	65.9	% 34.7-15	7						

Cardinal Laboratories

*=Accredited Analyte

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Celeg D. trains



FRONTIER FIELD SERVICES HARLEY EVERHART 4200 SKELLY DRIVE, SUITE 700 TULSA OK, 74135

(575) 676-2401

Fax To:

Received:

10/12/2017

Sampling Date:

10/12/2017

Reported:

10/18/2017

Sampling Type:

Soil

Project Name:

Sampling Condition:

Cool & Intact

RHOMBUS

Sample Received By:

Tamara Oldaker

Project Number: Project Location:

TPH CONCENTRATION 2FT AUGER HOLE NONE GIVEN

Sample ID: #8 - TPH CONCENTRATION AUGER HOLES (H702761-03)

TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/13/2017	ND	216	108	200	4.83	
DRO >C10-C28	<10.0	10.0	10/13/2017	ND	229	114	200	8.00	
EXT DRO >C28-C36	<10.0	10.0	10/13/2017	ND					
Surrogate: 1-Chlorooctane	68.79	% 28.3-16							
Surrogate: 1-Chlorooctadecane	70.0 9	% 34.7-15	7						

Sample ID: #9 - TPH CONCENTRATION AUGER HOLES (H702761-04)

TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	10/13/2017	ND	216	108	200	4.83	
DRO >C10-C28	<10.0	10.0	10/13/2017	ND	229	114	200	8.00	
EXT DRO >C28-C36	<10.0	10.0	10/13/2017	ND					
Surrogate: 1-Chlorooctane	63.6	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	62.8	% 34.7-15	7						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



FRONTIER FIELD SERVICES HARLEY EVERHART 4200 SKELLY DRIVE, SUITE 700 TULSA OK, 74135

Fax To: (575) 676-2401

Received:

10/12/2017

Sampling Date:

10/12/2017

Reported:

10/18/2017

Sampling Type:

Soil

Project Name:

RHOMBUS

Sampling Condition:

Cool & Intact

Project Number:

TPH CONCENTRATION 2FT AUGER HOLE

Sample Received By:

Tamara Oldaker

Project Location:

NONE GIVEN

Sample ID: #36 - TPH CONCENTRATION AUGER HOLES (H702761-05)

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	10/16/2017	ND	192	96.2	200	3.71	
DRO >C10-C28	<10.0	10.0	10/16/2017	ND	213	107	200	5.52	
EXT DRO >C28-C36	<10.0	10.0	10/16/2017	ND					
Surrogate: 1-Chlorooctane	68.3	% 28.3-16	4						
Surrogate: 1-Chlorooctadecane	74.4	% 34.7-15	7						

Cardinal Laboratories *=Accredited Analyte

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

Cardinal Laboratories *=Accredited Analyte

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Celey D. Kreene-



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240

mpany Name: Fintin F. old Services (Alka Every 7)	BILL TO	ANALYSIS REQUEST
oject Manager:	P.O. #:	
dress: 1001 Consecto Rd.	Company:	
y: Molganion State: Nm Zip: 88260	Attn:	
one #: 575 5/3 492 2 Fax #:	Address:	
oject #: Project Owner:	City:	
oject Name: TPH Consentation 2' Huger bakes	State: Zip:	
oject Location: Rhambes Romale Arm Project	Phone #:	
mpler Name: Herh Englant	Fax#:	
MATR	X PRESERV. SAMPLING	
SSS	W	
ab I.D. Sample I.D.	m -	
TEW OND	18 18 18 18 18 18 18 18 18 18 18 18 18 1	
(G)RAB OR (C)C # CONTAINERS GROUNDWATE WASTEWATER SOIL	SLUDGE OTHER ACIDIBASE ICE COOL OTHER ACIDIBASE	
1 "4 - IPH Comentation Hoger hote	10.12 7.45	
2 47 - 11 5 4 4 1	1 WIC 7150	
3 48	1 8100 -	
4 49 - 1 , , , ,	8.06	
5 12. 4 " · · · · ·	1 10 12 8 17 /	

In no event shall Cerdinal be listing the incidental in consequental damages including without limitation business interruptions loss of use in loss of use

1	Relinquished By: Relinquished By:	Date: Received Time: Received Time: Received	d By: Mara & & d By:	Maker		Pros Its	Add'l Phone #: Add'l Fax #:
	Delivered By: (Circle One) 2.5 Sampler - UPS - Bus - Other:		Sample Condition Cool Intact Yes Yes No No	CHECKED BY: (Initials),	-		/(

Attachment C – Photo Log



