

APPROVED

By Olivia Yu at 10:34 am, Mar 26, 2018

NMOCD approves of the
confirmatory delineation plan
for 1RP-4115.

**1RP-4115
DELINEATION PLAN
Will 693 Pasture
Produced Water Spill
Roosevelt County, New Mexico**

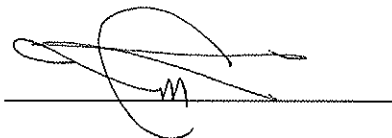
Latitude: 33.573153°
Longitude: -103.341043°

LAI Project No. 17-0175-16

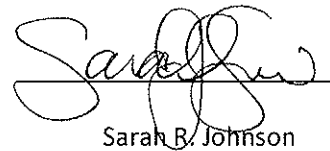
February 19, 2018

Prepared for:
Legacy Reserves Operating, LP
303 West Wall Street, Suite 1300
Midland, Texas 79701

Prepared by:
Larson & Associates, Inc.
507 North Marienfeld Street, Suite 205
Midland, Texas 79701



Mark J. Larson, P.G.
Certified Professional Geologist #10490



Sarah B. Johnson
Staff Geologist

This Page Intentionally Left Blank

Table of Contents

1.0 INTRODUCTION.....	1
1.1 Background.....	1
1.2 Physical Setting.....	1
1.3 Remediation Action Levels.....	1
2.0 DELINEATION PLAN.....	2
3.0 REMEDIATION PLAN.....	2

Figures

Figure 1	Topographic Map
Figure 2	Aerial Map Showing Proposed Sample Points

Appendices

Appendix A	Initial C-141
Appendix B	Trinity Work Plan and Analytical Data
Appendix C	Photographs

1.0 INTRODUCTION

Larson & Associates, Inc. (LAI) has prepared this delineation plan on behalf of Legacy Reserves Operating, LP (Legacy) for submittal to the New Mexico Oil Conservation Division (OCD) District 1 for a produced water spill at the Will 693 Pasture (Site) located in Unit P (SE/4, SE/4), Section 34, Township 8 South, Range 35 East in Roosevelt County, New Mexico. The geodetic position is North 33.573153 and West -103.341043. Figure 1 presents a topographic map. Figure 2 presents an aerial map.

1.1 Background

The spill occurred on an unknown date due to a failure in a flowline. An unknown type and amount of fluid was released. There was no standing fluid on the surface upon discovery, therefore no fluids were recovered. The release was discovered by the land owner and reported to Legacy as an old spill. The OCD was notified on January 26, 2016 (verbal communication with Kellie Jones). The initial C-141 was submitted on January 26, 2016 and assigned remediation permit number 1RP-4115. Appendix A presents the initial C-141.

On November 12, 2015, Trinity Oilfield Services (Trinity) collected soil samples in three (3) locations (SP1 through SP3) in the spill area. The samples were collected at 0, 1, 2, 4 and 6 feet below ground surface (bgs). Additional samples were collected at SP1 at 8, 10, 12 and 14 feet bgs. The samples were delivered to Cardinal Laboratories (Cardinal), in Hobbs, New Mexico and analyzed for BTEX, TPH and chloride by EPA SW-846 Methods 8021B, 8015M and titration SM4500 CL-B, respectively.

BTEX was reported above the RRAL (50 mg/Kg) at SP1, 6 feet bgs (207 mg/Kg) and SP1, 8 feet bgs (191 mg/Kg).

TPH was reported above the RRAL (5,000 mg/Kg) in the following samples:

- SP1, 0' (14,440 mg/Kg)
- SP1, 1' (6,290 mg/Kg)
- SP1, 2' (5,490 mg/Kg)
- SP1, 6' (26,820 mg/Kg)
- SP2, 0' (13,900 mg/Kg)
- SP2, 1' (7,980 mg/Kg)
- SP2, 2' (9,337 mg/Kg)
- SP3, 0' (12,330 mg/Kg)
- SP3, 1' (12,320 mg/Kg)
- SP3, 2' (5,108 mg/Kg)

Chloride reported above the delineation limit (600 mg/Kg) at SP1, 6 feet bgs (800 mg/Kg) and SP3, 6 feet bgs (864 mg/Kg). Appendix B presents Trinity work plan and analytical reports.

1.2 Physical Setting

The physical setting is as follows:

- The surface elevation is approximately 4,170 feet above mean sea level (msl);
- The topography slopes gently towards the southeast;
- There are no surface water features within 1,000 feet of the Site;
- The soils are designated as "Jalmar, Amarose, and Vestwells soils, 1 to 3 percent slopes", consisting of 0 to 30 inches of fine sand underlain by 30 to 55 inches of fine sandy loam;
- The geology is Older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of High Plains region;

- Groundwater occurs in the Ogallala formation at approximately 175 feet below ground surface (bgs) (1990);
- The nearest freshwater well is located in Unit B (NW/4, NE/4), Section 1, Township 9 South, Range 35 East, about 1.60 miles southeast of the Site.

1.3 Recommended Remediation Action Levels

Recommended remediation action levels (RRAL) were calculated for benzene, BTEX and TPH based on the following criteria established by the OCD in “*Guidelines for Remediation of Leaks, Spills and Releases*, pp. 6-7, August 13, 1993”:

Criteria	Result	Score
Depth-to-Groundwater	>100 Feet	0
Wellhead Protection Area	No	0
Distance to Surface Water Body	>1000 Horizontal Feet	0

The following RRAL apply to the release for ranking score: 0

- Benzene 10 mg/Kg
- BTEX 50 mg/Kg
- TPH 5,000 mg/Kg

Depth to groundwater greater than 100 feet bgs requires vertical delineation for chloride to 600 milligrams per kilogram (mg/Kg) and maintained a minimum 5 feet farther in depth.

2.0 DELINEATION PLAN

LAI proposed to collect soil samples at three (3) locations in the spill area. The samples will be collected at 1 foot intervals to approximately 4 feet bgs and 2 foot intervals to approximately 12 feet bgs using direct push technology (DPT) depending on subsurface conditions. Additional samples will be collected in each cardinal direction (north, south, east and west) of the spill area at the same depth intervals for horizontal delineation. The soil samples will be delivered under chain of custody and preservation to Xenco Laboratories (Xenco) in Midland, Texas. The upper samples (i.e. 0 to 1 foot) will be analyzed for benzene, toluene, ethylbenzene and xylenes (BTEX) and total petroleum hydrocarbons (TPH), including gasoline range organics (GRO), diesel range organics (DRO) and oil range organics (ORO) by EPA SW-846 Methods 8021B and 8015M. All samples will be analyzed for chloride by EPA Method 300 until the delineation requirements are achieved. Pending laboratory results, further delineation will be determined to reach cleanup level standards. Appendix C presents photographs.

3.0 REMEDIATION PLAN

Legacy will provide a remediation plan in the delineation report to be submitted to the OCD upon receipt of the laboratory report. Legacy will investigate repairing the liner where punctures were.

Figures

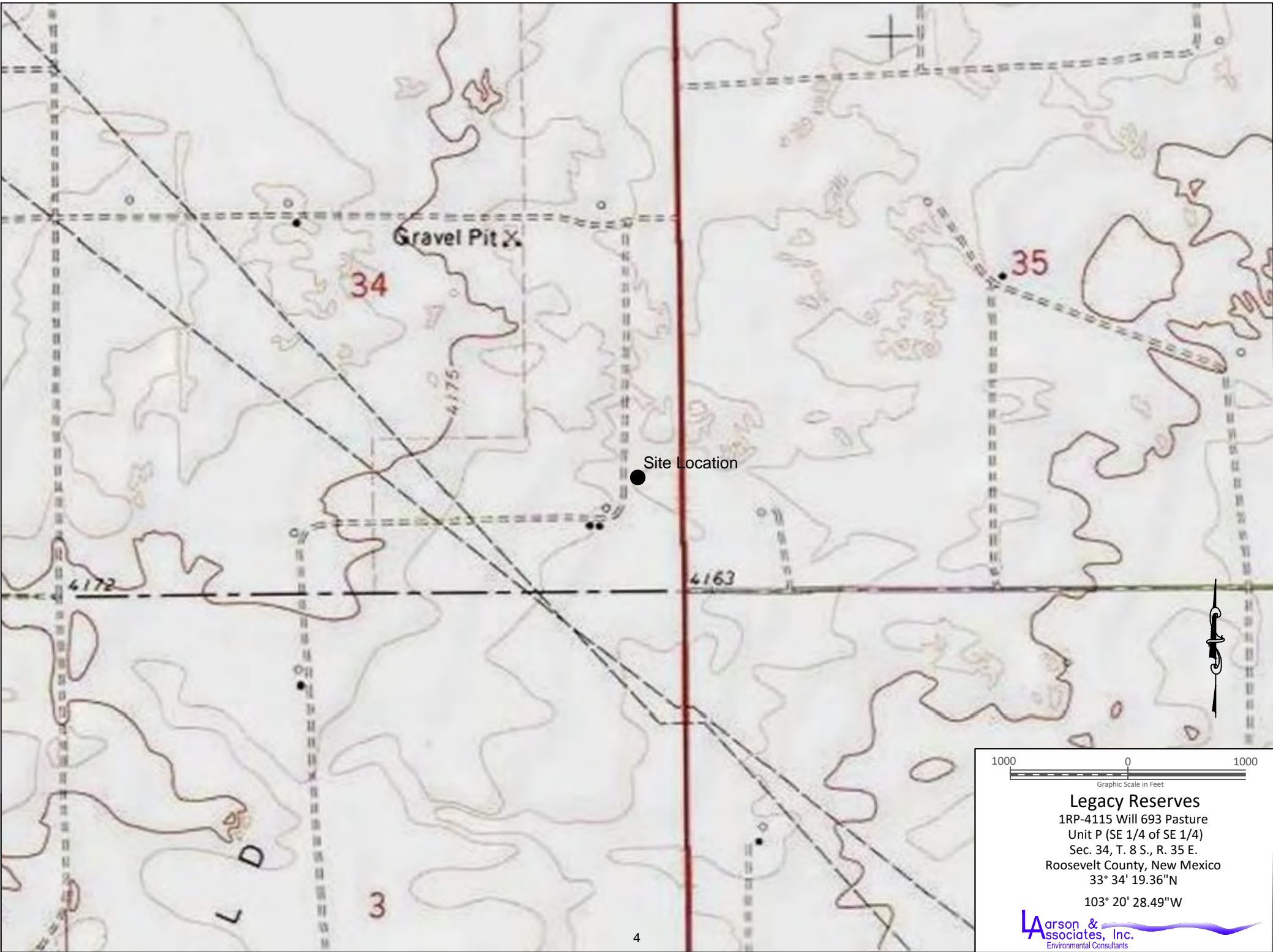
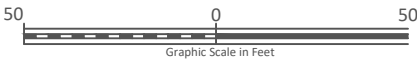


Figure 1 - Topographic Map



Legend

- Spill Area
- Proposed Sample Location



Legacy Reserves
1RP-4115 Will 693 Pasture
Unit P (SE 1/4 of SE 1/4)
Sec. 34, T. 8 S., R. 35 E.
Roosevelt County, New Mexico
33°34'23.34"N
103°20'27.75" W



Figure 1 - Aerial Map

Appendix A

Initial C-141

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

State of New Mexico
Energy Minerals and Natural Resources

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

Form C-141
Revised August 8, 2011
Submit 1 Copy to appropriate District Office in
accordance with 19.15.29 NMAC.

Release Notification and Corrective Action

OPERATOR ☒ Initial Report ☐ Final Report

Name of Company – Legacy Reserves, LP	Contact – Jesse Garcia	
Address - 303 W. Wall St. #1800 Midland, TX 79701	Telephone No. – 432-853-3535	
Facility Name – Will 693 Pasture	Facility Type - Flowline	
Surface Owner - Fee	Mineral Owner - State	API No. – 30-041-20848

LOCATION OF RELEASE

Unit Letter J	Section 34	Township 8S	Range 35E	Feet from the 1830	North/South Line South	Feet from the 1900	East/West Line East	County Roosvelt
------------------	---------------	----------------	--------------	-----------------------	---------------------------	-----------------------	------------------------	--------------------

Latitude 33.573153 Longitude -103.341043

NATURE OF RELEASE

Type of Release – Produced Fluids	Volume of Release	Volume Recovered
Source of Release - Flowline	Date and Hour of Occurrence	Date and Hour of Discovery
Was Immediate Notice Given? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	
By Whom?	Date and Hour	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input type="checkbox"/> No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*	<div>RECEIVED By Kellie Jones at 7:12 am, Jan 26, 2016</div>
---	--

Describe Cause of Problem and Remedial Action Taken.*
A release was located by the landowner. Legacy was notified by landowner on site and appears to be an old release. Work plan will be submitted to the NMOCD District 1 Office.

Describe Area Affected and Cleanup Action Taken.*

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

Signature:	OIL CONSERVATION DIVISION		
Printed Name: Jesse Garcia	Approved by Environmental Specialist:		
Title: Production Foreman	Approval Date: 01/26/2016	Expiration Date: 03/26/2016	
E-mail Address: jgarcia@legacylp.com	Conditions of Approval: Site samples required. Delineate and remediate as per MNOCD guides. Geotag photographs of remediation recommended.		Attached <input type="checkbox"/> IRP-4115
Date:	Phone:		

* Attach Additional Sheets If Necessary

nKJ1602626321
pKJ1602626533

Appendix B
Trinity Work Plan and
Analytical Data



RECEIVED

By Kellie Jones at 7:25 am, Jan 26, 2016

P.O. Box 2587 • Hobbs, NM 88241 • Phone: (575) 397-4961 • todd@trinityoilfieldservices.com

APPROVED

By Kellie Jones at 7:25 am, Jan 26, 2016

January 19, 2016

Kellie Jones
Oil Conservation Division, EMNRD
Environmental Specialist
1625 North French Drive
Hobbs, NM 88240

RE: Work Plan

Legacy Reserves - Will 693 Pasture
J-34-8S-35E 1830E 1900E
API No. 30-041-20848

Kellie,

Trinity Oilfield Services is representing Legacy Reserves, LP in the Accidental Release (AR) for the Will 693 Pasture. Trinity and Legacy discovered a leak in the pasture during a meeting with the landowner. Subsequently a C-141 was filed and no initial cleanup was performed, as there was no standing fluid.

Delineation

Trinity performed a sampling event on November 12, 2015. Three sample points were selected and samples were pulled from the surface, 1', 2', 4', & 6'. The results of this event and a sample map can be found attached as Exhibit A & B. After analyzing the results we determined that additional sampling needed to be performed at SP1 which is nearest the Release Point (RP). A sample boring was performed with samples that were obtained from 8', 10', 12', & 14'. We attempted to retrieve data from the Office of the State Engineer (OSE) in regards to ground water depths, however no data is available for the area. It is believed that groundwater is greater than 250'.

Conclusion

After carefully analyzing all of the data and consulting with our client, Trinity is proposing the following remediation. Trinity would like to excavate the Effected Area (EA) to depth of 3'. Haul the contaminated soil to the nearest disposal. Install a 20 Mil. liner. Backfill the EA with clean soil appropriate with the area, and reseed the area.

Upon completion of this work plan Trinity will submit a closure report. Please feel free to contact me with any questions or concerns regarding this matter.

Sincerely,

Todd Roberson
President
Trinity Oilfield Services & Rentals, LLC.

CC Jessie Garcia Legacy Reserves, LP

Attachments: Exhibit A & B
C-141

Exhibit A

Will # 693

Sample Points	BTEX	Chloride	TPH-GRO	TPH-DRO	TPH-EXDRO
SP1-0	< .3	240	< 200	10800	3440
SP1-1	0.631	< 16.0	< 200	5030	1060
SP1-2	1.3	< 16.0	102	4540	848
SP1-4	19.1	96.0	272	1440	206
SP1-6	207	800	5150	19600	2670
SP1-8	191	224	1000	2580	360
SP1-10	38.1	240	98.3	310	38.1
SP1-12	7.27	208	32.5	173	18.0
SP1-14	1.76	176	21.3	163	15.0



Contamination Area:
2,700 Sq/ft



Exhibit B

January 08, 2016

TODD ROBERSON

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: WILL 693 PASTURE

Enclosed are the results of analyses for samples received by the laboratory on 01/04/16 11:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-13-5. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,



Celey D. Keene

Lab Director/Quality Manager

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
CHRIS HAUGSTAD
P. O. BOX 2587
HOBBS NM, 88241
Fax To: NONE

Received: 11/13/2015

Reported: 11/20/2015

Project Name: WILL 693 PASTURE

Project Number: NONE GIVEN

Project Location: NOT GIVEN

Sampling Date: 11/12/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact

Sample Received By: Judy Garcia

Sample ID: SP1 (H503012-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2015	ND	1.96	98.0	2.00	0.526	
Toluene*	<0.050	0.050	11/17/2015	ND	2.22	111	2.00	0.925	
Ethylbenzene*	<0.050	0.050	11/17/2015	ND	2.06	103	2.00	1.09	
Total Xylenes*	<0.150	0.150	11/17/2015	ND	6.46	108	6.00	0.960	
Total BTEX	<0.300	0.300	11/17/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	11/16/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<200	200	11/14/2015	ND	198	99.2	200	6.08		
DRO >C10-C28	10800	200	11/14/2015	ND	207	103	200	5.76		
EXT DRO >C28-C35	3440	200	11/14/2015	ND						

Surrogate: 1-Chlorooctane 85.5 % 35-147

Surrogate: 1-Chlorooctadecane 454 % 28-171

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
CHRIS HAUGSTAD
P. O. BOX 2587
HOBBS NM, 88241
Fax To: NONE

Received: 11/13/2015
Reported: 11/20/2015
Project Name: WILL 693 PASTURE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/12/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP1-1 (H503012-02)

BTEX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2015	ND	1.96	98.0	2.00	0.526	
Toluene*	<0.050	0.050	11/17/2015	ND	2.22	111	2.00	0.925	
Ethylbenzene*	0.631	0.050	11/17/2015	ND	2.06	103	2.00	1.09	
Total Xylenes*	<0.150	0.150	11/17/2015	ND	6.46	108	6.00	0.960	
Total BTEX	0.631	0.300	11/17/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 187 % 73.6-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/16/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg	Analyzed By: CK					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<200	200	11/14/2015	ND	198	99.2	200	6.08	
DRO >C10-C28	5030	200	11/14/2015	ND	207	103	200	5.76	
EXT DRO >C28-C35	1060	200	11/14/2015	ND					


Surrogate: 1-Chlorooctane 113 % 35-147

Surrogate: 1-Chlorooctadecane 191 % 28-171

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
CHRIS HAUGSTAD
P. O. BOX 2587
HOBBS NM, 88241
Fax To: NONE

Received: 11/13/2015

Reported: 11/20/2015

Project Name: WILL 693 PASTURE

Project Number: NONE GIVEN

Project Location: NOT GIVEN

Sampling Date: 11/12/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact

Sample Received By: Judy Garcia

Sample ID: SP1-2 (H503012-03)

BTEX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2015	ND	1.96	98.0	2.00	0.526	
Toluene*	<0.050	0.050	11/17/2015	ND	2.22	111	2.00	0.925	
Ethylbenzene*	1.30	0.050	11/17/2015	ND	2.06	103	2.00	1.09	
Total Xylenes*	<0.150	0.150	11/17/2015	ND	6.46	108	6.00	0.960	
Total BTEX	1.30	0.300	11/17/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 239 % 73.6-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/16/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg	Analyzed By: CK					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	102	100	11/14/2015	ND	198	99.2	200	6.08	
DRO >C10-C28	4540	100	11/14/2015	ND	207	103	200	5.76	
EXT DRO >C28-C35	848	100	11/14/2015	ND					

Surrogate: 1-Chlorooctane 119 % 35-147

Surrogate: 1-Chlorooctadecane 183 % 28-171

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 sixty (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. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
CHRIS HAUGSTAD
P. O. BOX 2587
HOBBS NM, 88241
Fax To: NONE

Received:11/13/2015
Reported:11/20/2015
Project Name:WILL 693 PASTURE
Project Number:NONE GIVEN
Project Location:NOT GIVEN

Sampling Date:11/12/2015
Sampling Type:Soil
Sampling Condition:Cool & Intact
Sample Received By:Judy Garcia

Sample ID: SP1-4 (H503012-04)

BTEX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.924	0.100	11/17/2015	ND	1.96	98.0	2.00	0.526	
Toluene*	1.78	0.100	11/17/2015	ND	2.22	111	2.00	0.925	
Ethylbenzene*	2.79	0.100	11/17/2015	ND	2.06	103	2.00	1.09	
Total Xylenes*	13.6	0.300	11/17/2015	ND	6.46	108	6.00	0.960	
Total BTEX	19.1	0.600	11/17/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL)165 %73.6-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/16/2015	ND	416	104	400	3.92	
TPH 8015M		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

GRO C6-C10	272	10.0	11/14/2015	ND	198	99.2	200	6.08	
DRO >C10-C28	1440	10.0	11/14/2015	ND	207	103	200	5.76	
EXT DRO >C28-C35	206	10.0	11/14/2015	ND					

Surrogate: 1-Chlorooctane125 %35-147

Surrogate: 1-Chlorooctadecane124 %28-171

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
CHRIS HAUGSTAD
P. O. BOX 2587
HOBBS NM, 88241
Fax To: NONE

Received: 11/13/2015
Reported: 11/20/2015
Project Name: WILL 693 PASTURE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/12/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP1-6 (H503012-05)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<2.00	2.00	11/17/2015	ND	1.96	98.0	2.00	0.526	
Toluene*	15.3	2.00	11/17/2015	ND	2.22	111	2.00	0.925	
Ethylbenzene*	33.0	2.00	11/17/2015	ND	2.06	103	2.00	1.09	
Total Xylenes*	159	6.00	11/17/2015	ND	6.46	108	6.00	0.960	
Total BTEX	207	12.0	11/17/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 108 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	800	16.0	11/16/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	5150	100	11/14/2015	ND	198	99.2	200	6.08		
DRO >C10-C28	19600	100	11/14/2015	ND	207	103	200	5.76		
EXT DRO >C28-C35	2670	100	11/14/2015	ND						

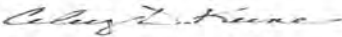
Surrogate: 1-Chlorooctane 252 % 35-147

Surrogate: 1-Chlorooctadecane 411 % 28-171

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
TODD ROBERSON
P. O. BOX 2587
HOBBS NM, 88241
Fax To: NONE

SP1-8

Received:	01/04/2016	Sampling Date:	12/23/2015
Reported:	01/08/2016	Sampling Type:	Soil
Project Name:	WILL 693 PASTURE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 8 (H600007-02)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	1.45	0.500	01/06/2016	ND	1.98	99.2	2.00	12.0	
Toluene*	38.8	0.500	01/06/2016	ND	2.01	101	2.00	12.6	
Ethylbenzene*	29.8	0.500	01/06/2016	ND	1.86	93.2	2.00	12.3	
Total Xylenes*	121	1.50	01/06/2016	ND	5.93	98.9	6.00	11.7	
Total BTEX	191	3.00	01/06/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 129 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	01/04/2016	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	1000	50.0	01/05/2016	ND	188	93.9	200	0.803	
DRO >C10-C28	2580	50.0	01/05/2016	ND	179	89.4	200	1.93	
EXT DRO >C28-C35	360	50.0	01/05/2016	ND					

Surrogate: 1-Chlorooctane 138 % 35-147

Surrogate: 1-Chlorooctadecane 116 % 28-171

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
TODD ROBERSON
P. O. BOX 2587
HOBBS NM, 88241
Fax To: NONE

SP1-10

Received:01/04/2016

Reported:01/08/2016

Project Name:WILL 693 PASTURE

Project Number:NONE GIVEN

Project Location:NOT GIVEN

Sampling Date:12/23/2015

Sampling Type:Soil

Sampling Condition:Cool & Intact

Sample Received By:Jodi Henson

Sample ID: SP 10 (H600007-03)

BTEX 8021B		mg/kg		Analyzed By: CK				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/06/2016	ND	1.98	99.2	2.00	12.0	
Toluene*	4.72	0.050	01/06/2016	ND	2.01	101	2.00	12.6	
Ethylbenzene*	6.38	0.050	01/06/2016	ND	1.86	93.2	2.00	12.3	
Total Xylenes*	27.0	0.150	01/06/2016	ND	5.93	98.9	6.00	11.7	
Total BTEX	38.1	0.300	01/06/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIC) 187 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	01/04/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	98.3	10.0	01/05/2016	ND	188	93.9	200	0.803	
DRO >C10-C28	310	10.0	01/05/2016	ND	179	89.4	200	1.93	
EXT DRO >C28-C35	38.1	10.0	01/05/2016	ND					

Surrogate: 1-Chlorooctane 51.5 % 35-147

Surrogate: 1-Chlorooctadecane 45.4 % 28-171

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

SP1-12

TRINITY OILFIELD SERVICES & RENTALS, LLC
TODD ROBERSON
P. O. BOX 2587
HOBBS NM, 88241
Fax To: NONE

Received:	01/04/2016	Sampling Date:	12/23/2015
Reported:	01/08/2016	Sampling Type:	Soil
Project Name:	WILL 693 PASTURE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	NOT GIVEN		

Sample ID: SP 12 (H600007-04)

BTEX 8021B		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/06/2016	ND	1.98	99.2	2.00	12.0	
Toluene*	0.354	0.050	01/06/2016	ND	2.01	101	2.00	12.6	
Ethylbenzene*	1.13	0.050	01/06/2016	ND	1.86	93.2	2.00	12.3	
Total Xylenes*	5.79	0.150	01/06/2016	ND	5.93	98.9	6.00	11.7	
Total BTEX	7.27	0.300	01/06/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 132 % 73.6-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	01/04/2016	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	32.5	10.0	01/05/2016	ND	188	93.9	200	0.803	
DRO >C10-C28	173	10.0	01/05/2016	ND	179	89.4	200	1.93	
EXT DRO >C28-C35	18.0	10.0	01/05/2016	ND					

Surrogate: 1-Chlorooctane 39.0 % 35-147

Surrogate: 1-Chlorooctadecane 35.9 % 28-171

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 TODD ROBERSON
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received: 01/04/2016
 Reported: 01/08/2016
 Project Name: WILL 693 PASTURE
 Project Number: NONE GIVEN
 Project Location: NOT GIVEN

Sampling Date: 12/23/2015
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: SP 14 (H600007-05)

BTEX 8021B		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/06/2016	ND	1.98	99.2	2.00	12.0	
Toluene*	0.057	0.050	01/06/2016	ND	2.01	101	2.00	12.6	
Ethylbenzene*	0.242	0.050	01/06/2016	ND	1.86	93.2	2.00	12.3	
Total Xylenes*	1.46	0.150	01/06/2016	ND	5.93	98.9	6.00	11.7	
Total BTEX	1.76	0.300	01/06/2016	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 110 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/04/2016	ND	400	100	400	3.92	
TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	21.3	10.0	01/05/2016	ND	188	93.9	200	0.803	
DRO >C10-C28	163	10.0	01/05/2016	ND	179	89.4	200	1.93	
EXT DRO >C28-C35	15.0	10.0	01/05/2016	ND					

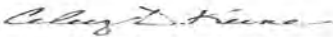
Surrogate: 1-Chlorooctane 76.6 % 35-147

Surrogate: 1-Chlorooctadecane 76.3 % 28-171

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
CHRIS HAUGSTAD
P. O. BOX 2587
HOBBS NM, 88241
Fax To: NONE

Received:	11/13/2015	Sampling Date:	11/12/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	WILL 693 PASTURE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP2 (H503012-06)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/17/2015	ND	1.96	98.0	2.00	0.526		
Toluene*	<0.050	0.050	11/17/2015	ND	2.22	111	2.00	0.925		
Ethylbenzene*	<0.050	0.050	11/17/2015	ND	2.06	103	2.00	1.09		
Total Xylenes*	<0.150	0.150	11/17/2015	ND	6.46	108	6.00	0.960		
Total BTEX	<0.300	0.300	11/17/2015	ND						

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/16/2015	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: CK							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier		
GRO C6-C10	<200	200	11/14/2015	ND	198	99.2	200	6.08			
DRO >C10-C28	10000	200	11/14/2015	ND	207	103	200	5.76			
EXT DRO >C28-C35	3700	200	11/14/2015	ND							

Surrogate: 1-Chlorooctane 103 % 35-147

Surrogate: 1-Chlorooctadecane 397 % 28-171

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
CHRIS HAUGSTAD
P. O. BOX 2587
HOBBS NM, 88241
Fax To: NONE

Received: 11/13/2015

Reported: 11/20/2015

Project Name: WILL 693 PASTURE

Project Number: NONE GIVEN

Project Location: NOT GIVEN

Sampling Date: 11/12/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact

Sample Received By: Judy Garcia

Sample ID: SP2-1 (H503012-07)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2015	ND	1.96	98.0	2.00	0.526	
Toluene*	<0.050	0.050	11/17/2015	ND	2.22	111	2.00	0.925	
Ethylbenzene*	0.748	0.050	11/17/2015	ND	2.06	103	2.00	1.09	
Total Xylenes*	<0.150	0.150	11/17/2015	ND	6.46	108	6.00	0.960	
Total BTEX	0.748	0.300	11/17/2015	ND					

Surrogate: 4-Bromofluorobenzene (PID) 208 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/16/2015	ND	416	104	400	3.92	
TPH 8015M									

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	109	100	11/14/2015	ND	198	99.2	200	6.08	
DRO >C10-C28	6630	100	11/14/2015	ND	207	103	200	5.76	
EXT DRO >C28-C35	1250	100	11/14/2015	ND					

Surrogate: 1-Chlorooctane 112 % 35-147

Surrogate: 1-Chlorooctadecane 208 % 28-171

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
CHRIS HAUGSTAD
P. O. BOX 2587
HOBBS NM, 88241
Fax To: NONE

Received: 11/13/2015

Reported: 11/20/2015

Project Name: WILL 693 PASTURE

Project Number: NONE GIVEN

Project Location: NOT GIVEN

Sampling Date: 11/12/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact

Sample Received By: Judy Garcia

Sample ID: SP2-2 (H503012-08)

BTEX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/17/2015	ND	1.96	98.0	2.00	0.526	
Toluene*	<0.050	0.050	11/17/2015	ND	2.22	111	2.00	0.925	
Ethylbenzene*	0.952	0.050	11/17/2015	ND	2.06	103	2.00	1.09	
Total Xylenes*	<0.150	0.150	11/17/2015	ND	6.46	108	6.00	0.960	
Total BTEX	0.952	0.300	11/17/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 213 % 73.6-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/16/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg	Analyzed By: CK					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	157	100	11/14/2015	ND	198	99.2	200	6.08	
DRO >C10-C28	7710	100	11/14/2015	ND	207	103	200	5.76	
EXT DRO >C28-C35	1470	100	11/14/2015	ND					

Surrogate: 1-Chlorooctane 123 % 35-147

Surrogate: 1-Chlorooctadecane 236 % 28-171

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
CHRIS HAUGSTAD
P. O. BOX 2587
HOBBS NM, 88241
Fax To: NONE

Received:	11/13/2015	Sampling Date:	11/12/2015
Reported:	11/20/2015	Sampling Type:	Soil
Project Name:	WILL 693 PASTURE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Judy Garcia
Project Location:	NOT GIVEN		

Sample ID: SP2-4 (H503012-09)

BTEX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.051	0.050	11/17/2015	ND	1.96	98.0	2.00	0.526	
Toluene*	0.204	0.050	11/17/2015	ND	2.22	111	2.00	0.925	
Ethylbenzene*	<0.050	0.050	11/17/2015	ND	2.06	103	2.00	1.09	
Total Xylenes*	3.11	0.150	11/17/2015	ND	6.46	108	6.00	0.960	
Total BTEX	3.36	0.300	11/17/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 193 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/16/2015	ND	416	104	400	3.92	
TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

GRO C6-C10	65.5	10.0	11/14/2015	ND	198	99.2	200	6.08	
DRO >C10-C28	558	10.0	11/14/2015	ND	207	103	200	5.76	
EXT DRO >C28-C35	84.0	10.0	11/14/2015	ND					

Surrogate: 1-Chlorooctane 106 % 35-147

Surrogate: 1-Chlorooctadecane 119 % 28-171

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
CHRIS HAUGSTAD
P. O. BOX 2587
HOBBS NM, 88241
Fax To: NONE

Received: 11/13/2015
Reported: 11/20/2015
Project Name: WILL 693 PASTURE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/12/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP2-6 (H503012-10)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2015	ND	1.64	82.2	2.00	16.6	
Toluene*	<0.050	0.050	11/18/2015	ND	1.77	88.7	2.00	16.9	
Ethylbenzene*	<0.050	0.050	11/18/2015	ND	1.58	79.1	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/18/2015	ND	4.91	81.8	6.00	16.4	
Total BTEX	<0.300	0.300	11/18/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 102 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	11/16/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	<10.0	10.0	11/14/2015	ND	198	99.2	200	6.08	
DRO >C10-C28	16.5	10.0	11/14/2015	ND	207	103	200	5.76	
EXT DRO >C28-C35	<10.0	10.0	11/14/2015	ND					

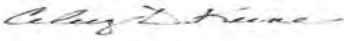
Surrogate: 1-Chlorooctane 93.0 % 35-147

Surrogate: 1-Chlorooctadecane 98.9 % 28-171

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
CHRIS HAUGSTAD
P. O. BOX 2587
HOBBS NM, 88241
Fax To: NONE

Received:11/13/2015
Reported:11/20/2015
Project Name:WILL 693 PASTURE
Project Number:NONE GIVEN
Project Location:NOT GIVEN

Sampling Date:11/12/2015
Sampling Type:Soil
Sampling Condition:Cool & Intact
Sample Received By:Judy Garcia

Sample ID: SP3 (H503012-11)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2015	ND	1.64	82.2	2.00	16.6	
Toluene*	<0.050	0.050	11/18/2015	ND	1.77	88.7	2.00	16.9	
Ethylbenzene*	<0.050	0.050	11/18/2015	ND	1.58	79.1	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/18/2015	ND	4.91	81.8	6.00	16.4	
Total BTEX	<0.300	0.300	11/18/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL)106 %73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/16/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: CK						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	<100	100	11/14/2015	ND	198	99.2	200	6.08		
DRO >C10-C28	9310	100	11/14/2015	ND	207	103	200	5.76		
EXT DRO >C28-C35	2920	100	11/14/2015	ND						

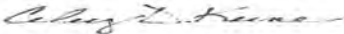
Surrogate: 1-Chlorooctane101 %35-147

Surrogate: 1-Chlorooctadecane373 %28-171

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
CHRIS HAUGSTAD
P. O. BOX 2587
HOBBS NM, 88241
Fax To: NONE

Received:11/13/2015
Reported:11/20/2015
Project Name:WILL 693 PASTURE
Project Number:NONE GIVEN
Project Location:NOT GIVEN

Sampling Date:11/12/2015
Sampling Type:Soil
Sampling Condition:Cool & Intact
Sample Received By:Judy Garcia

Sample ID: SP3-1 (H503012-12)

BTEX 8021B		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	11/18/2015	ND	1.64	82.2	2.00	16.6	
Toluene*	<0.200	0.200	11/18/2015	ND	1.77	88.7	2.00	16.9	
Ethylbenzene*	0.558	0.200	11/18/2015	ND	1.58	79.1	2.00	16.1	
Total Xylenes*	<0.600	0.600	11/18/2015	ND	4.91	81.8	6.00	16.4	
Total BTEX	<1.20	1.20	11/18/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL)134 %73.6-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/16/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg	Analyzed By: CK							S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10	360	100	11/14/2015	ND	198	99.2	200	6.08		
DRO >C10-C28	10400	100	11/14/2015	ND	207	103	200	5.76		
EXT DRO >C28-C35	1660	100	11/14/2015	ND						

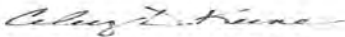
Surrogate: 1-Chlorooctane178 %35-147

Surrogate: 1-Chlorooctadecane243 %28-171

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.



Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
CHRIS HAUGSTAD
P. O. BOX 2587
HOBBS NM, 88241
Fax To: NONE

Received: 11/13/2015

Reported: 11/20/2015

Project Name: WILL 693 PASTURE

Project Number: NONE GIVEN

Project Location: NOT GIVEN

Sampling Date: 11/12/2015

Sampling Type: Soil

Sampling Condition: Cool & Intact

Sample Received By: Judy Garcia

Sample ID: SP3-2 (H503012-13)

BTEX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2015	ND	1.64	82.2	2.00	16.6	
Toluene*	<0.050	0.050	11/18/2015	ND	1.77	88.7	2.00	16.9	
Ethylbenzene*	0.605	0.050	11/18/2015	ND	1.58	79.1	2.00	16.1	
Total Xylenes*	<0.150	0.150	11/18/2015	ND	4.91	81.8	6.00	16.4	
Total BTEX	0.605	0.300	11/18/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 206 % 73.6-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AP						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/16/2015	ND	416	104	400	3.92	
TPH 8015M		mg/kg	Analyzed By: CK						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier

GRO C6-C10	<100	100	11/14/2015	ND	198	99.2	200	6.08	
DRO >C10-C28	4100	100	11/14/2015	ND	207	103	200	5.76	
EXT DRO >C28-C35	908	100	11/14/2015	ND					

Surrogate: 1-Chlorooctane 125 % 35-147

Surrogate: 1-Chlorooctadecane 170 % 28-171

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
CHRIS HAUGSTAD
P. O. BOX 2587
HOBBS NM, 88241
Fax To: NONE

Received: 11/13/2015
Reported: 11/20/2015
Project Name: WILL 693 PASTURE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/12/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP3-4 (H503012-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	11/18/2015	ND	1.64	82.2	2.00	16.6	
Toluene*	0.472	0.200	11/18/2015	ND	1.77	88.7	2.00	16.9	
Ethylbenzene*	1.63	0.200	11/18/2015	ND	1.58	79.1	2.00	16.1	
Total Xylenes*	3.24	0.600	11/18/2015	ND	4.91	81.8	6.00	16.4	
Total BTEX	5.35	1.20	11/18/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 127 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/16/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	305	10.0	11/17/2015	ND	196	98.0	200	1.17	
DRO >C10-C28	1460	10.0	11/17/2015	ND	196	98.2	200	1.00	
EXT DRO >C28-C35	202	10.0	11/17/2015	ND					

Surrogate: 1-Chlorooctane 115 % 35-147

Surrogate: 1-Chlorooctadecane 118 % 28-171

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
CHRIS HAUGSTAD
P. O. BOX 2587
HOBBS NM, 88241
Fax To: NONE

Received: 11/13/2015
Reported: 11/20/2015
Project Name: WILL 693 PASTURE
Project Number: NONE GIVEN
Project Location: NOT GIVEN

Sampling Date: 11/12/2015
Sampling Type: Soil
Sampling Condition: Cool & Intact
Sample Received By: Judy Garcia

Sample ID: SP3-6 (H503012-15)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2015	ND	1.87	93.7	2.00	3.41	
Toluene*	<0.050	0.050	11/19/2015	ND	2.12	106	2.00	5.06	
Ethylbenzene*	<0.050	0.050	11/19/2015	ND	2.08	104	2.00	7.30	
Total Xylenes*	0.223	0.150	11/19/2015	ND	6.20	103	6.00	7.21	
Total BTEX	<0.300	0.300	11/19/2015	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 105 % 73.6-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AP					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	11/16/2015	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10	10.7	10.0	11/17/2015	ND	196	98.0	200	1.17	
DRO >C10-C28	114	10.0	11/17/2015	ND	196	98.2	200	1.00	
EXT DRO >C28-C35	19.5	10.0	11/17/2015	ND					

Surrogate: 1-Chlorooctane 89.9 % 35-147

Surrogate: 1-Chlorooctadecane 101 % 28-171

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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

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.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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 samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Pg 1

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Trinity Oilfield Service</u>			BILL TO			ANALYSIS REQUEST												
Project Manager: <u>Legacy Reserves</u>			P.O. #:			<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chlorides</div> </div>												
Address:			Company:															
City:			Attn:															
State: Zip:			Address:															
Phone #: Fax #:			City:															
Project #: Project Owner:			State: Zip:															
Project Name: <u>WILL 693 Pasture</u>			Phone #:															
Project Location:			Fax #:															
Sampler Name:																		
FOR LAB USE ONLY																		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.		SAMPLING								
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME				
<u>H503012</u>													<u>11-12-15</u>	<u>5:00a</u>				
1. <u>SPI-1</u>																		
2. <u>SPI-1</u>																		
3. <u>SPI-2</u>																		
4. <u>SPI-4</u>																		
5. <u>SPI-6</u>																		
6. <u>SPI-6</u>																		
7. <u>SPI-2-1</u>																		
8. <u>SPI-2-2</u>																		
9. <u>SPI-4</u>																		
10. <u>SPI-6</u>																		

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: <u>Michael Dumbley</u>	Date: <u>11/13/15</u>	Received By: <u>Judy Garcia</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date:	Received By:	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One)			REMARKS:	
Sampler - UPS - Bus - Other: <u>#54</u> <u>2.4c</u>				
Sample Condition			CHECKED BY:	
Cool Intact			(Initials)	
<input type="checkbox"/> Yes <input type="checkbox"/> No			<u>JD</u>	



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Pg 2

Company Name: Trinity Oil & Gas Services					
Project Manager: Legacy Processors					
Address:					
City:					
State:					
Zip:					
Phone #:					
Fax #:					
Project Owner:					
Project #: WILKESBORO pasture					
Project Location:					
Sample Name: Josh H.					
FOR LAB USE ONLY					
Lab I.D. Sample I.D.					
# CONTAINERS					
GROUNDWATER					
WASTEWATER					
SOIL					
OIL					
SLUDGE					
OTHER :					
ACID/BASE:					
ICE / COOL					
OTHER :					
DATE					
TIME					
MATRIX					
PRESERV					
SAMPLING					
P.O. #:					
Company:					
Attn:					
Address:					
City:					
State:					
Zip:					
Phone #:					
Fax #:					
REMARKS:					



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Legacy Trinity Oilfield</u>		BILL TO		ANALYSIS REQUEST																																					
Project Manager:		P.O. #:																																							
Address:		Company:																																							
City:		Attn:																																							
Phone #:		Address:																																							
Fax #:		City:																																							
Project #:		State:		Zip:																																					
Project Name: <u>WTL 693</u>		Phone #:																																							
Project Location:		Fax #:																																							
Sampler Name: <u>Josh Holders</u>																																									
FOR LAB USE ONLY																																									
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME													
<u>H000007</u>		<u>SP1</u>																								<u>10/23</u>		<u>11:30</u>		<u>BTEX</u>											
<u>2</u>		<u>SP8</u>																												<u>Chlorides</u>											
<u>3</u>		<u>SP10</u>																												<u>IPH</u>											
<u>4</u>		<u>SP12</u>																																							
<u>5</u>		<u>SP14</u>																																							
PLEASE NOTE: Liability and Damages. Cardinal's liability and damage exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claims are based upon any of the above stated theories or otherwise.																																									
Relinquished By:		Received By:																																							
Time: <u>11:00</u>		Date: <u>10/23</u>																																							
Relinquished By:		Received By:																																							
Time:		Date:																																							
Delivered By: (Circle One)		Sample Condition		Cool		Intact		CHECKED BY:																																	
Sampler - UPS - Bus - Other:		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		(Initials)																																	
<u>-2.80</u>		<u>Yes</u>		<u>Yes</u>		<u>Yes</u>		<u>Yes</u>																																	
† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326																																									



Site Prior to Remediation Viewing Southwest



Site Prior to Remediation Viewing Southeast



Site Prior to Remediation Viewing East