

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Spill Remediation Plan (Revised)



Company: OXY USA, Inc. **Address:** P.O. Box 4294, Houston, TX 77210 **Telephone #:** (575) 390-2828

Site Name: Indian Basin Station 210 **NMOCD Reference#:** 2RP-4332

Surface Owner: US BLM **Mineral Owner:** US BLM

Unit Letter: "M" (SW/SW) **Section:** 10 **Township:** 21S **Range:** 23E **County:** Eddy **GPS Coordinates:** 32.48752 N -104.59618 W

Depth to Ground Water: 175' - 180' **Distance to Surface Water Body:** ☐ <200' ☐ 200' - 1,000' ☒ >1,000'

Wellhead Protection Area: <1,000' from Water Source or <200' from Domestic Water Source? ☐ Y ☒ N

NMOCD Ranking Score: 0 **Soil Remediation Levels (mg/kg):** Benzene: 10 BTEX: 50 TPH: ☐ 100 Chloride: ☐ 250
☐ 1,000 ☐ 500
☒ 5,000 ☒ 1,000

Date/Time of Release: 7/15/2017 **Type of Release:** Produced Water **Approximate Volume of Release:** 100 bbls

Background Information:

On July 15, 2017, OXY USA, Inc. (OXY), discovered a release at the Indian Basin Station 210 tank battery. A fire of unknown origin destroyed a 500 barrel (bbl) fiberglass tank, resulting in the release of approximately 100 bbls of produced water. The majority of the release was confined to the steel containment surrounding the tank and affected an area inside the containment measuring approximately 40' x 40'. The release also affected an area of the adjacent caliche pad measuring approximately 6,800 square feet. The storage tank was replaced following initial response activities.

The release was immediately reported to the New Mexico Oil Conservation Division's (NMOCD) Artesia District Office and the United States Department of the Interior - Bureau of Land Management's (BLM) Carlsbad District Office. The NMOCD "Release Notification & Corrective Action" (Form C-141) is provided as Appendix A. General photographs of the release site are provided in Appendix B. A "Site Location Map" is provided as Figure 1.

Summary of Field Activities:

On July 26, 2017, a series of soil samples (SP-1 through SP-8) were collected at the site to investigate the extent of impacted soil. The soil samples ranged in depth from approximately 6 inches to approximately 1 foot below ground surface (bgs). The soil samples were submitted to Xenco Laboratories in Midland, Texas, for analysis of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and/or chloride concentrations using Environmental Protection Agency (EPA) Methods SW 846-8021b, SW 846-8015M, and 300.1, respectively. Laboratory analytical results indicated TPH and BTEX constituent concentrations were below the NMOCD "Recommended Remediation Action Levels" (RRALs) established for the site. However, additional delineation to determine the vertical extent of chloride contamination was required.

On September 7, 2017, two (2) delineation trenches were advanced at the site to further investigate the vertical extent of impacted soil. The trenches were advanced to the extent practicable in the areas represented by soil samples SP-7 (5 feet bgs) and SP-8 (3 feet bgs). Soil samples collected at 1- to 2-foot vertical intervals were field-screened with a chloride test kit, and confirmation samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results and field tests indicated additional delineation was required. However, a hard rock layer running underneath the site precluded further vertical delineation without specialized equipment.

From October 10 through 12, 2017, pursuant to the "Environmental Site Summary & Spill Remediation Plan" dated August 17, 2017, the steel containment area was removed, the man-made earthen mound was razed, and the underlying soil was excavated to approximately 1-foot bgs. All soil removed from the mound was transferred to Lea Land, Inc. (NMOCD Permit #WM-01-035), for disposal.

On October 12, 2017, a series of auger holes were advanced at the site to further investigate the vertical extent of impacted soil. A mechanical auger was utilized to advance boreholes in the areas represented by soil samples SP-4 and SP-5 and delineation trenches SP-7 and SP-8. An additional borehole (SP-9) was advanced in the center of the footprint of the former containment area. The boreholes were advanced to depths ranging from approximately 4 feet bgs (SP-4) to

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Spill Remediation Plan (Revised)



Summary of Field Activities (cont.):

7 feet bgs (SP-7). Soil samples collected at 1- to 2-foot vertical intervals were field-screened with a chloride test kit, and confirmation samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results and field screens indicated that vertical delineation of the release had been achieved.

Locations of the soil samples, boreholes, and delineation trenches are depicted in Figure 2, "Sample Location Map". Laboratory analytical results are summarized in Table 1, and analytical reports are provided in Appendix C.

Proposed Activities:

OXY proposes to conduct the following activities to progress the Indian Basin Station 210 release site to an NMOCD- and BLM-approved closure:

- The horizontal limits of the excavation will be determined by field-screening using a chloride field test kit. The excavation will be advanced vertically as follows:
 - Maximum depth of 1 foot below original ground surface in the footprint of the former containment area and the razed earthen mound (represented by soil samples SP-1 through SP-3, SP-6, and borehole SP-9).
 - Maximum depth of 1 foot bgs in the area represented by borehole SP-4, as well as adjacent to the on-site pump jack and well.
 - Maximum depth of 2 feet bgs in the area represented by borehole SP-5.
 - To the hard rock layer running underneath the site (commonly encountered between 3 and 4 feet bgs) in the areas represented by boreholes/delineation trenches SP-7 and SP-8.
- Should it be required, a 20-mil polyurethane liner will be installed at approximately 3 feet bgs in the areas represented by boreholes/delineation trenches SP-7 and SP-8. Felt padding will be installed on the floor of the excavation prior to installation of the liner, and a 6-inch cushion of sand will be installed atop the liner once it was in place to protect it from damage during backfilling activities. This engineered control will serve to inhibit vertical migration of contaminants left in-situ.
- Following remediation activities, the excavation will be backfilled with non-impacted material, compacted, and contoured to fit the surrounding topography.
- Upon completion of the aforementioned corrective actions, a "Remediation Summary" will be submitted to the NMOCD and BLM, documenting remediation activities and results of confirmation soil samples.

Enclosures:

Figure 1: Site Location Map

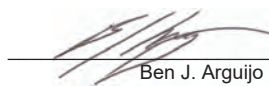
Figure 2: Sample Location Map

Table 1: Concentrations of Benzene, BTEX, TPH & Chloride in Soil

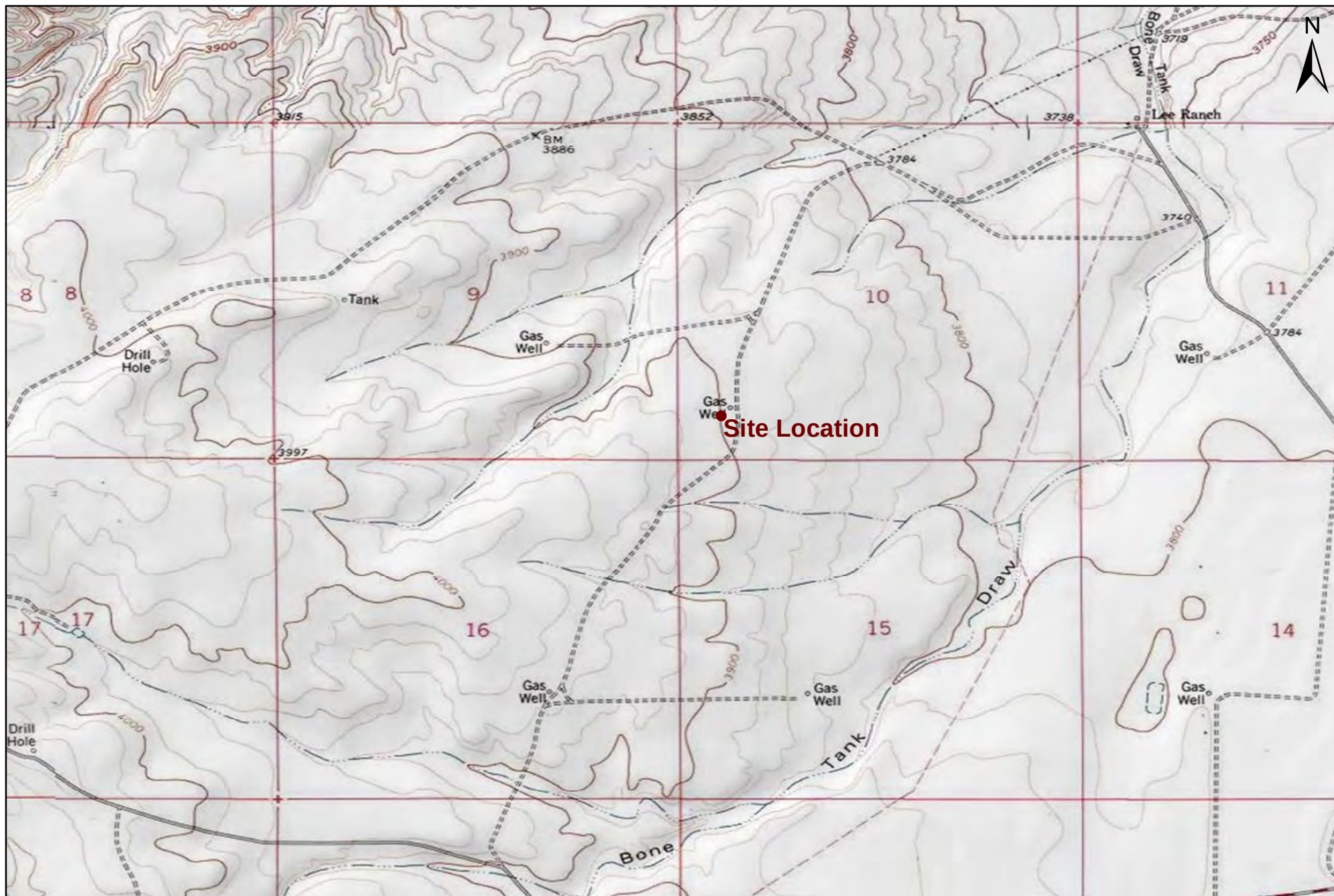
Appendix A: Release Notification & Corrective Action (Form C-141)

Appendix B: Photographs

Appendix C: Laboratory Analytical Results

 10/26/2017
Ben J. Arguijo
Project Manager

Figures



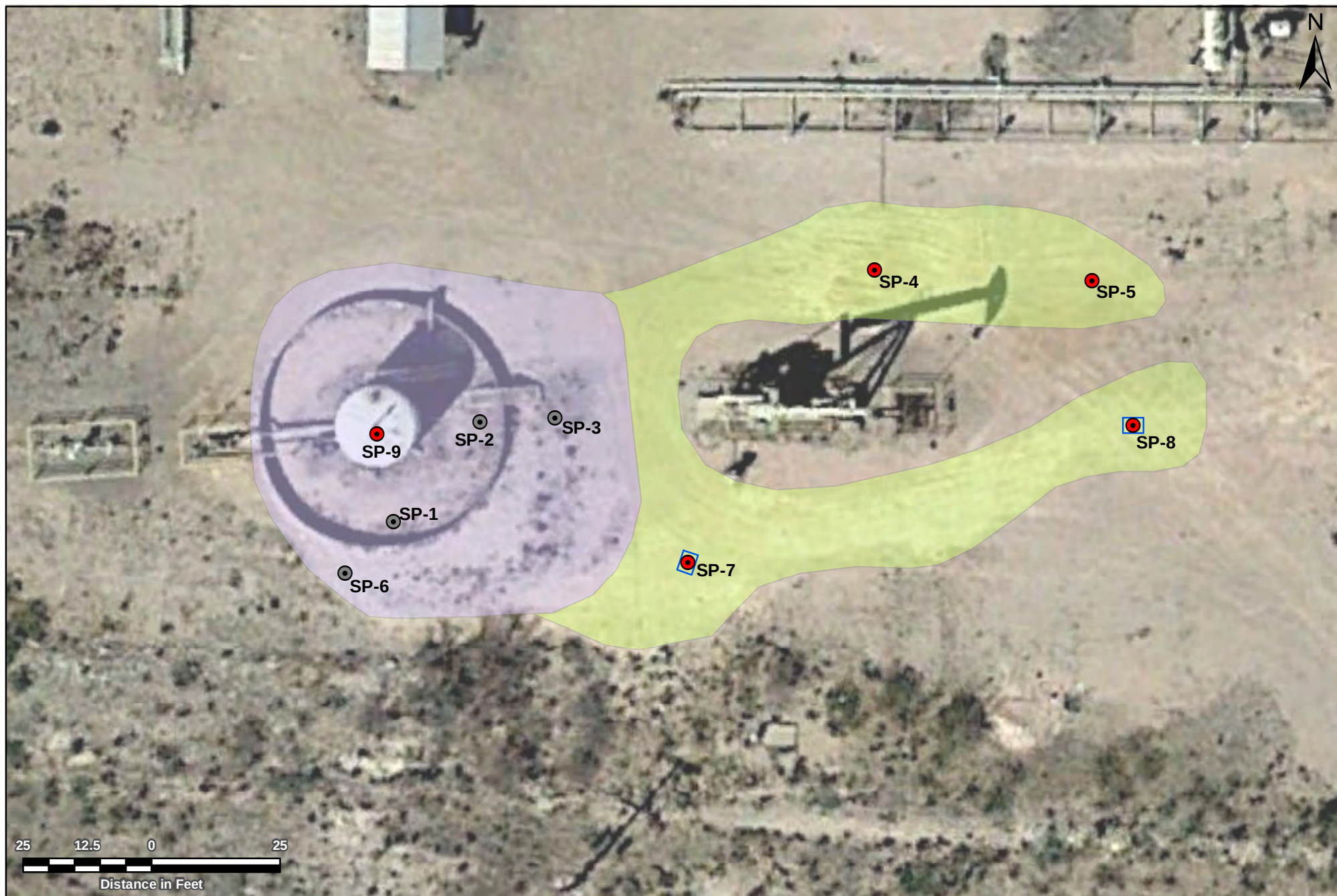
2,000 1,000 0 2,000
Distance in Feet

Figure 1
Site Location Map
OXY USA, Inc.
Indian Basin Station 210
Eddy County, New Mexico
NMOCD Reference #: 2RP-4322



Trinity Oilfield Services & Rentals, LLC
P.O. Box 2587
Hobbs, NM 88241

Drawn By: BJA	Checked By: CTR
August 16, 2017	Scale: 1" = 2,000'



Legend

- | | |
|---|--|
|  Excavation Extent |  Auger Hole |
|  Release |  Excavated Sample |
|  Delineation Trench | |

Figure 2
Sample Location Map
 OXY USA, Inc.
 Indian Basin Station 210
 Eddy County, New Mexico
 NMOCD Reference #: 2RP-4322



Trinity Oilfield Services & Rentals, LLC
 P.O. Box 2587
 Hobbs, NM 88241

Drawn By: BJA	Checked By: CTR
October 26, 2017	Scale: 1" = 25'

Tables

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

OXY USA, INC.
INDIAN BASIN STATION 210
EDDY COUNTY, NEW MEXICO
NMOCD REF. #: 2RP-4332



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030							METHOD: 8015M				300.1
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	EXT DRO C ₂₈ -C ₃₅ (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Levels (RRALs)				10	NE	NE	NE	NE	NE	50	NE	NE	NE	5,000	1,000
SP-1	0.5'	7/26/17	Excavated	0.0043	0.0421	0.0182	0.0555	0.0334	0.0889	0.154	58.2	179	<15.0	237	2,950
SP-2	0.5'	7/26/17	Excavated	<0.0020	0.0108	0.0042	0.0160	0.0091	0.0251	0.0401	37.8	192	<14.9	230	2,950
SP-3	0.5'	7/26/17	Excavated	<0.0020	0.0049	<0.0020	0.0100	0.0048	0.0148	0.0197	<15.0	<15.0	<15.0	<15.0	2,430
SP-4	0.5'	7/26/17	In-Situ	<0.0020	0.0100	0.0027	0.0085	0.0036	0.0121	0.0247	<15.0	43.0	<15.0	43.0	1,220
SP-5	0.5'	7/26/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	1,080
SP-6	0.5'	7/26/17	Excavated	<0.0020	0.0411	0.0454	0.3070	0.0704	0.3770	0.4640	233	398	<15.0	631	3,100
SP-7	0.5'	7/26/17	In-Situ	<0.0020	0.0023	<0.0020	0.0062	0.0031	0.0093	0.0116	<15.0	<15.0	<15.0	<15.0	2,430
SP-8	0.5'	7/26/17	In-Situ	<0.0020	<0.0020	0.0027	0.0120	0.0040	0.0160	0.0187	<15.0	83.6	<15.0	83.6	1,550
SP-7 @ 2'	2'	9/7/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	0.0025	0.0025	0.0025	<15.0	<15.0	<15.0	<15.0	869
SP-7 @ 5'	5'	9/7/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	46.3	<14.9	46.3	1,160
SP-8 @ 1'	1'	9/7/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	1,370
SP-8 @ 3'	3'	9/7/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	45.8	<15.0	45.8	1,020
SP-4 @ 2'	2'	10/12/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	162
SP-4 @ 4'	4'	10/12/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	26.3	<15.0	26.3	82.1
SP-5 @ 3'	3'	10/12/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	872
SP-5 @ 5'	5'	10/12/17	In-Situ	-	-	-	-	-	-	-	-	-	-	-	612
SP-5 @ 6'	6'	10/12/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	550
SP-7 @ 6'	6'	10/12/17	In-Situ	-	-	-	-	-	-	-	-	-	-	-	33.2
SP-7 @ 7'	7'	10/12/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	20.5	<15.0	20.5	323
SP-8 @ 4'	4'	10/12/17	In-Situ	-	-	-	-	-	-	-	-	-	-	-	184
SP-8 @ 5'	5'	10/12/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	150
SP-9 @ 2'	2'	10/12/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	139
SP-9 @ 5'	5'	10/12/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	17.5

NE = Not established

- = Not analyzed

Concentrations in BOLD exceed NMOCD RRALs

Appendices

NM OIL CONSERVATION

ARTESIA DISTRICT

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

AUG 09 2017

Form C-141
Revised April 3, 2017

Submit 1 Copy to appropriate District Office in
RECEIVED accordance with 19.15.29 NMAC.

FAB1722256833

Release Notification and Corrective Action

NAB1722257112

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	OXY USA WTP LP 192413	Contact	WADE DITTRICH
Address	PO BOX 4294; HOUSTON, TX 77210	Telephone No.	575-390-2828
Facility Name	INDIAN BASIN STATION 210	Facility Type	BATTERY

Surface Owner	BLM	Mineral Owner	BLM	API No.
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	10	21S	23E					

Latitude 32.48752 Longitude -104.59618 NAD83

NATURE OF RELEASE

Type of Release	PRODUCED WATER	Volume of Release	100 bbls	Volume Recovered	100 bbls
Source of Release	500 bbl FIBERGLASS TANK FIRE - FIRE	Date and Hour of Occurrence	7-15-2017	Date and Hour of Discovery	
SOURCE UNKNOWN					
Was Immediate Notice Given?		If YES, To Whom?			
☒ Yes ☐ No ☐ Not Required		CRYSTAL WEAVER-NMOCD; MIKE BRATCHER-NMOCD; SHELLY TUCKER-BLM			
By Whom?		Date and Hour			
WADE DITTRICH		7-17-17 @ 9:11 AM			
Was a Watercourse Reached?		If YES, Volume Impacting the Watercourse.			
☐ Yes ☒ No					

If a Watercourse was Impacted, Describe Fully.*

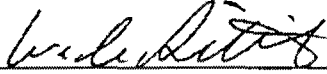
Describe Cause of Problem and Remedial Action Taken.*

Spill caused by a tank fire on 500 bbl fiberglass tank, caused 100 bbl leak of produced water. Tank has been replaced and is back in service.

Describe Area Affected and Cleanup Action Taken.*

The affected area of the spill is 40x40 FT, Leak is at battery (measurements are subject to change with GPS tracking). Remediation will be completed in accordance with a remediation plan approved by the NMOCD and the BLM.

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: WADE DITTRICH	Approved by Environmental Specialist 	
Title: ENVIROMENTAL COORDINATOR	Approval Date: 8/10/17	Expiration Date: N/A
E-mail Address: wade.dittrich@oxy.com	Conditions of Approval: See attached	
Date: 8/8/2017 Phone: 575-390-2828	Attached ☐ ARP-4338	

* Attach Additional Sheets If Necessary

8/10/17 AB

Appendix A

Release Notification &

Corrective Action (Form C-141)

Appendix B

Photographs



Indian Basin Station 210 - Release (Looking West)



Indian Basin Station 210 - Release (Looking Northwest)



Indian Basin Station 210 – Release (Looking Northwest)



Indian Basin Station 210 – Release (Looking North)



Indian Basin Station 210 – Release (Looking East)



Indian Basin Station 210 – Release (Looking Northwest)



Indian Basin Station 210 – Release (Looking East)



Indian Basin Station 210 – Release (Looking East)



Indian Basin Station 210 – Release (Looking Northeast)



Indian Basin Station 210 – Release (Looking East)



Indian Basin Station 210 – Release (Looking East)

Appendix C

Laboratory Analytical Reports



Certificate of Analysis Summary 558337

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Indian Basin Station 210



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Mon Jul-24-17 03:31 pm

Report Date: 03-AUG-17

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	558337-001	558337-002	558337-003	558337-004	558337-005	558337-006
	Field Id:	SP-1	SP-2	SP-3	SP-4	SP-5	SP-6
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Jul-20-17 14:00	Jul-20-17 14:05	Jul-20-17 14:10	Jul-20-17 14:15	Jul-20-17 14:20	Jul-20-17 14:25
BTEX by EPA 8021B	Extracted:	Jul-26-17 15:00	Jul-26-17 15:00	Jul-26-17 15:00	Jul-26-17 15:00	Jul-26-17 15:00	Jul-26-17 15:00
	Analyzed:	Jul-26-17 23:02	Jul-26-17 23:21	Jul-26-17 23:39	Jul-26-17 23:58	Jul-27-17 00:17	Jul-27-17 00:55
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		0.00431 0.00199	<0.00199 0.00199	<0.00198 0.00198	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200
Toluene		0.0421 0.00199	0.0108 0.00199	0.00489 0.00198	0.0100 0.00201	<0.00200 0.00200	0.0411 0.00200
Ethylbenzene		0.0182 0.00199	0.00417 0.00199	<0.00198 0.00198	0.00265 0.00201	<0.00200 0.00200	0.0454 0.00200
m,p-Xylenes		0.0555 0.00398	0.0160 0.00398	0.00998 0.00396	0.00847 0.00402	<0.00401 0.00401	0.307 0.00399
o-Xylene		0.0334 0.00199	0.00908 0.00199	0.00482 0.00198	0.00359 0.00201	<0.00200 0.00200	0.0704 0.00200
Total Xylenes		0.0889 0.00199	0.0251 0.00199	0.0148 0.00198	0.0121 0.00201	<0.00200 0.00200	0.377 0.00200
Total BTEX		0.154 0.00199	0.0401 0.00199	0.0197 0.00198	0.0247 0.00201	<0.00200 0.00200	0.464 0.00200
Chloride by EPA 300	Extracted:	Jul-27-17 15:00	Jul-27-17 15:00	Jul-27-17 15:00	Jul-27-17 15:00	Jul-27-17 15:00	Jul-27-17 15:00
	Analyzed:	Jul-27-17 19:01	Jul-27-17 19:09	Jul-27-17 19:40	Jul-27-17 19:47	Jul-27-17 19:17	Jul-27-17 20:10
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		2950 24.7	2950 25.0	2430 24.9	1220 24.6	1080 4.95	3100 24.7
TPH By SW8015 Mod SUB: T104704400	Extracted:	Jul-26-17 17:00	Jul-26-17 17:00	Jul-26-17 17:00	Jul-26-17 17:00	Jul-26-17 17:00	Jul-26-17 17:00
	Analyzed:	Jul-26-17 17:21	Jul-26-17 18:40	Jul-26-17 19:05	Jul-26-17 19:31	Jul-26-17 19:57	Jul-26-17 20:21
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		58.2 15.0	37.8 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	233 15.0
Diesel Range Organics (DRO)		179 15.0	192 14.9	<15.0 15.0	43.0 15.0	<15.0 15.0	398 15.0
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Total TPH		237 15.0	230 14.9	<15.0 15.0	43.0 15.0	<15.0 15.0	631 15.0

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Holly Taylor
Project Manager



Certificate of Analysis Summary 558337

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Indian Basin Station 210



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Mon Jul-24-17 03:31 pm

Report Date: 03-AUG-17

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	558337-007	558337-008				
	Field Id:	SP-7	SP-8				
	Depth:						
	Matrix:	SOIL	SOIL				
	Sampled:	Jul-20-17 14:30	Jul-20-17 14:35				
BTEX by EPA 8021B	Extracted:	Jul-26-17 15:00	Jul-26-17 15:00				
	Analyzed:	Jul-27-17 00:36	Jul-27-17 01:14				
	Units/RL:	mg/kg RL	mg/kg RL				
Benzene		<0.00198	0.00198	<0.00202	0.00202		
Toluene		0.00234	0.00198	<0.00202	0.00202		
Ethylbenzene		<0.00198	0.00198	0.00270	0.00202		
m,p-Xylenes		0.00621	0.00397	0.0120	0.00403		
o-Xylene		0.00308	0.00198	0.00396	0.00202		
Total Xylenes		0.00929	0.00198	0.0160	0.00202		
Total BTEX		0.0116	0.00198	0.0187	0.00202		
Chloride by EPA 300	Extracted:	Jul-27-17 15:00	Jul-27-17 15:00				
	Analyzed:	Jul-27-17 20:18	Jul-27-17 20:26				
	Units/RL:	mg/kg RL	mg/kg RL				
Chloride		2430	25.0	1550	24.6		
TPH By SW8015 Mod SUB: T104704400	Extracted:	Jul-26-17 17:00	Jul-26-17 17:00				
	Analyzed:	Jul-26-17 20:48	Jul-26-17 21:13				
	Units/RL:	mg/kg RL	mg/kg RL				
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0	<15.0	15.0		
Diesel Range Organics (DRO)		<15.0	15.0	83.6	15.0		
Oil Range Hydrocarbons (ORO)		<15.0	15.0	<15.0	15.0		
Total TPH		<15.0	15.0	83.6	15.0		

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Holly Taylor
Project Manager

Analytical Report 558337
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo
Indian Basin Station 210

03-AUG-17

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)



03-AUG-17

Project Manager: **Ben Arguijo**
Trinity Oilfield Services & Rentals, LLC
PO BOX 2587
Hobbs, NM 88241

Reference: XENCO Report No(s): **558337**
Indian Basin Station 210
Project Address:

Ben Arguijo:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 558337. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 558337 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Holly Taylor
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

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Sample Cross Reference 558337



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1	S	07-20-17 14:00		558337-001
SP-2	S	07-20-17 14:05		558337-002
SP-3	S	07-20-17 14:10		558337-003
SP-4	S	07-20-17 14:15		558337-004
SP-5	S	07-20-17 14:20		558337-005
SP-6	S	07-20-17 14:25		558337-006
SP-7	S	07-20-17 14:30		558337-007
SP-8	S	07-20-17 14:35		558337-008



CASE NARRATIVE

Client Name: *Trinity Oilfield Services & Rentals, LLC*

Project Name: *Indian Basin Station 210*

Project ID:
Work Order Number(s): 558337

Report Date: 03-AUG-17
Date Received: 07/24/2017

Sample receipt non conformances and comments:

Per Ben on 7-27-17 add TPH 8015 N.M. method.

Per Ben on 8/3/17: Re-issue report without TX1005 results.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3023326 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3023433 Inorganic Anions by EPA 300

Lab Sample ID 558337-005 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 558337-001, -002, -003, -004, -005, -006, -007, -008.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.



Certificate of Analytical Results 558337



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-1**
Lab Sample Id: 558337-001

Matrix: Soil
Date Collected: 07.20.17 14.00

Date Received: 07.24.17 15.31

Analytical Method: Chloride by EPA 300
Tech: MGO
Analyst: MGO
Seq Number: 3023433

Prep Method: E300P
% Moisture:
Date Prep: 07.27.17 15.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2950	24.7	mg/kg	07.27.17 19.01		5

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3023496

Prep Method: TX1005P
% Moisture:
Date Prep: 07.26.17 17.00
Basis: Wet Weight
SUB: T104704400

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	58.2	15.0	mg/kg	07.26.17 17.21		1
Diesel Range Organics (DRO)	C10C28DRO	179	15.0	mg/kg	07.26.17 17.21		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	07.26.17 17.21	U	1
Total TPH	PHC635	237	15.0	mg/kg	07.26.17 17.21		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	98	%	70-135	07.26.17 17.21		
o-Terphenyl	84-15-1	115	%	70-135	07.26.17 17.21		



Certificate of Analytical Results 558337



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-1**
Lab Sample Id: 558337-001

Matrix: Soil
Date Collected: 07.20.17 14.00

Date Received: 07.24.17 15.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 07.26.17 15.00

Basis: Wet Weight

Seq Number: 3023326

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.00431	0.00199	mg/kg	07.26.17 23.02		1
Toluene	108-88-3	0.0421	0.00199	mg/kg	07.26.17 23.02		1
Ethylbenzene	100-41-4	0.0182	0.00199	mg/kg	07.26.17 23.02		1
m,p-Xylenes	179601-23-1	0.0555	0.00398	mg/kg	07.26.17 23.02		1
o-Xylene	95-47-6	0.0334	0.00199	mg/kg	07.26.17 23.02		1
Total Xylenes	1330-20-7	0.0889	0.00199	mg/kg	07.26.17 23.02		1
Total BTEX		0.154	0.00199	mg/kg	07.26.17 23.02		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	89	%	80-120	07.26.17 23.02		
4-Bromofluorobenzene	460-00-4	103	%	80-120	07.26.17 23.02		



Certificate of Analytical Results 558337



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id: **SP-2**
Lab Sample Id: 558337-002

Matrix: Soil
Date Collected: 07.20.17 14.05

Date Received: 07.24.17 15.31

Analytical Method: Chloride by EPA 300

Tech: MGO

Analyst: MGO

Seq Number: 3023433

Prep Method: E300P

% Moisture:

Date Prep: 07.27.17 15.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2950	25.0	mg/kg	07.27.17 19.09		5

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3023496

Prep Method: TX1005P

% Moisture:

Date Prep: 07.26.17 17.00

Basis: Wet Weight

SUB: T104704400

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	37.8	14.9	mg/kg	07.26.17 18.40		1
Diesel Range Organics (DRO)	C10C28DRO	192	14.9	mg/kg	07.26.17 18.40		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	07.26.17 18.40	U	1
Total TPH	PHC635	230	14.9	mg/kg	07.26.17 18.40		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	07.26.17 18.40	
o-Terphenyl	84-15-1	109	%	70-135	07.26.17 18.40	



Certificate of Analytical Results 558337



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-2**
Lab Sample Id: 558337-002

Matrix: Soil
Date Collected: 07.20.17 14.05

Date Received: 07.24.17 15.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 07.26.17 15.00

Basis: Wet Weight

Seq Number: 3023326

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	07.26.17 23.21	U	1
Toluene	108-88-3	0.0108	0.00199	mg/kg	07.26.17 23.21		1
Ethylbenzene	100-41-4	0.00417	0.00199	mg/kg	07.26.17 23.21		1
m,p-Xylenes	179601-23-1	0.0160	0.00398	mg/kg	07.26.17 23.21		1
o-Xylene	95-47-6	0.00908	0.00199	mg/kg	07.26.17 23.21		1
Total Xylenes	1330-20-7	0.0251	0.00199	mg/kg	07.26.17 23.21		1
Total BTEX		0.0401	0.00199	mg/kg	07.26.17 23.21		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	109	%	80-120	07.26.17 23.21		
1,4-Difluorobenzene	540-36-3	96	%	80-120	07.26.17 23.21		



Certificate of Analytical Results 558337



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id: **SP-3**
Lab Sample Id: 558337-003

Matrix: Soil
Date Collected: 07.20.17 14.10

Date Received: 07.24.17 15.31

Analytical Method: Chloride by EPA 300

Tech: MGO

Analyst: MGO

Seq Number: 3023433

Prep Method: E300P

% Moisture:

Date Prep: 07.27.17 15.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2430	24.9	mg/kg	07.27.17 19.40		5

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3023496

Prep Method: TX1005P

% Moisture:

Date Prep: 07.26.17 17.00

Basis: Wet Weight

SUB: T104704400

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.26.17 19.05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.26.17 19.05	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	07.26.17 19.05	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.26.17 19.05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	07.26.17 19.05	
o-Terphenyl	84-15-1	108	%	70-135	07.26.17 19.05	



Certificate of Analytical Results 558337



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-3**
Lab Sample Id: 558337-003

Matrix: Soil
Date Collected: 07.20.17 14.10

Date Received: 07.24.17 15.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 07.26.17 15.00

Basis: Wet Weight

Seq Number: 3023326

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.26.17 23.39	U	1
Toluene	108-88-3	0.00489	0.00198	mg/kg	07.26.17 23.39		1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.26.17 23.39	U	1
m,p-Xylenes	179601-23-1	0.00998	0.00396	mg/kg	07.26.17 23.39		1
o-Xylene	95-47-6	0.00482	0.00198	mg/kg	07.26.17 23.39		1
Total Xylenes	1330-20-7	0.0148	0.00198	mg/kg	07.26.17 23.39		1
Total BTEX		0.0197	0.00198	mg/kg	07.26.17 23.39		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	116	%	80-120	07.26.17 23.39		
1,4-Difluorobenzene	540-36-3	99	%	80-120	07.26.17 23.39		



Certificate of Analytical Results 558337



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id: **SP-4**
Lab Sample Id: 558337-004

Matrix: Soil
Date Collected: 07.20.17 14.15

Date Received: 07.24.17 15.31

Analytical Method: Chloride by EPA 300

Tech: MGO

Analyst: MGO

Seq Number: 3023433

Prep Method: E300P

% Moisture:

Date Prep: 07.27.17 15.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1220	24.6	mg/kg	07.27.17 19.47		5

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3023496

Prep Method: TX1005P

% Moisture:

Date Prep: 07.26.17 17.00

Basis: Wet Weight

SUB: T104704400

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.26.17 19.31	U	1
Diesel Range Organics (DRO)	C10C28DRO	43.0	15.0	mg/kg	07.26.17 19.31		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	07.26.17 19.31	U	1
Total TPH	PHC635	43.0	15.0	mg/kg	07.26.17 19.31		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	07.26.17 19.31	
o-Terphenyl	84-15-1	109	%	70-135	07.26.17 19.31	



Certificate of Analytical Results 558337



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-4**
Lab Sample Id: 558337-004

Matrix: Soil
Date Collected: 07.20.17 14.15

Date Received: 07.24.17 15.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 07.26.17 15.00

Basis: Wet Weight

Seq Number: 3023326

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	07.26.17 23.58	U	1
Toluene	108-88-3	0.0100	0.00201	mg/kg	07.26.17 23.58		1
Ethylbenzene	100-41-4	0.00265	0.00201	mg/kg	07.26.17 23.58		1
m,p-Xylenes	179601-23-1	0.00847	0.00402	mg/kg	07.26.17 23.58		1
o-Xylene	95-47-6	0.00359	0.00201	mg/kg	07.26.17 23.58		1
Total Xylenes	1330-20-7	0.0121	0.00201	mg/kg	07.26.17 23.58		1
Total BTEX		0.0247	0.00201	mg/kg	07.26.17 23.58		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	100	%	80-120	07.26.17 23.58		
4-Bromofluorobenzene	460-00-4	111	%	80-120	07.26.17 23.58		



Certificate of Analytical Results 558337



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id: **SP-5**
Lab Sample Id: 558337-005

Matrix: Soil
Date Collected: 07.20.17 14.20

Date Received: 07.24.17 15.31

Analytical Method: Chloride by EPA 300

Tech: MGO

Analyst: MGO

Seq Number: 3023433

Prep Method: E300P

% Moisture:

Date Prep: 07.27.17 15.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1080	4.95	mg/kg	07.27.17 19.17		1

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3023496

Prep Method: TX1005P

% Moisture:

Date Prep: 07.26.17 17.00

Basis: Wet Weight

SUB: T104704400

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.26.17 19.57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.26.17 19.57	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	07.26.17 19.57	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.26.17 19.57	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	102	%	70-135	07.26.17 19.57		
o-Terphenyl	84-15-1	121	%	70-135	07.26.17 19.57		



Certificate of Analytical Results 558337



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-5**
Lab Sample Id: 558337-005

Matrix: Soil
Date Collected: 07.20.17 14.20

Date Received: 07.24.17 15.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 07.26.17 15.00

Basis: Wet Weight

Seq Number: 3023326

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.27.17 00.17	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	07.27.17 00.17	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	07.27.17 00.17	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	07.27.17 00.17	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	07.27.17 00.17	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	07.27.17 00.17	U	1
Total BTEX		<0.00200	0.00200	mg/kg	07.27.17 00.17	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	100	%	80-120	07.27.17 00.17		
4-Bromofluorobenzene	460-00-4	106	%	80-120	07.27.17 00.17		



Certificate of Analytical Results 558337



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-6**
Lab Sample Id: 558337-006

Matrix: Soil
Date Collected: 07.20.17 14.25

Date Received: 07.24.17 15.31

Analytical Method: Chloride by EPA 300
Tech: MGO
Analyst: MGO
Seq Number: 3023433

Prep Method: E300P
% Moisture:
Date Prep: 07.27.17 15.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3100	24.7	mg/kg	07.27.17 20.10		5

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3023496

Prep Method: TX1005P
% Moisture:
Date Prep: 07.26.17 17.00
Basis: Wet Weight
SUB: T104704400

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	233	15.0	mg/kg	07.26.17 20.21		1
Diesel Range Organics (DRO)	C10C28DRO	398	15.0	mg/kg	07.26.17 20.21		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	07.26.17 20.21	U	1
Total TPH	PHC635	631	15.0	mg/kg	07.26.17 20.21		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	100	%	70-135	07.26.17 20.21		
o-Terphenyl	84-15-1	108	%	70-135	07.26.17 20.21		



Certificate of Analytical Results 558337



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-6**
Lab Sample Id: 558337-006

Matrix: Soil
Date Collected: 07.20.17 14.25

Date Received: 07.24.17 15.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 07.26.17 15.00

Basis: Wet Weight

Seq Number: 3023326

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	07.27.17 00.55	U	1
Toluene	108-88-3	0.0411	0.00200	mg/kg	07.27.17 00.55		1
Ethylbenzene	100-41-4	0.0454	0.00200	mg/kg	07.27.17 00.55		1
m,p-Xylenes	179601-23-1	0.307	0.00399	mg/kg	07.27.17 00.55		1
o-Xylene	95-47-6	0.0704	0.00200	mg/kg	07.27.17 00.55		1
Total Xylenes	1330-20-7	0.377	0.00200	mg/kg	07.27.17 00.55		1
Total BTEX		0.464	0.00200	mg/kg	07.27.17 00.55		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	112	%	80-120	07.27.17 00.55		
1,4-Difluorobenzene	540-36-3	82	%	80-120	07.27.17 00.55		



Certificate of Analytical Results 558337



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id: **SP-7**
Lab Sample Id: 558337-007

Matrix: Soil
Date Collected: 07.20.17 14.30

Date Received: 07.24.17 15.31

Analytical Method: Chloride by EPA 300

Tech: MGO

Analyst: MGO

Seq Number: 3023433

Prep Method: E300P

% Moisture:

Date Prep: 07.27.17 15.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2430	25.0	mg/kg	07.27.17 20.18		5

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3023496

Prep Method: TX1005P

% Moisture:

Date Prep: 07.26.17 17.00

Basis: Wet Weight

SUB: T104704400

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.26.17 20.48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.26.17 20.48	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	07.26.17 20.48	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.26.17 20.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	07.26.17 20.48	
o-Terphenyl	84-15-1	107	%	70-135	07.26.17 20.48	



Certificate of Analytical Results 558337



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-7**
Lab Sample Id: 558337-007

Matrix: Soil
Date Collected: 07.20.17 14.30

Date Received: 07.24.17 15.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 07.26.17 15.00

Basis: Wet Weight

Seq Number: 3023326

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	07.27.17 00.36	U	1
Toluene	108-88-3	0.00234	0.00198	mg/kg	07.27.17 00.36		1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	07.27.17 00.36	U	1
m,p-Xylenes	179601-23-1	0.00621	0.00397	mg/kg	07.27.17 00.36		1
o-Xylene	95-47-6	0.00308	0.00198	mg/kg	07.27.17 00.36		1
Total Xylenes	1330-20-7	0.00929	0.00198	mg/kg	07.27.17 00.36		1
Total BTEX		0.0116	0.00198	mg/kg	07.27.17 00.36		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	111	%	80-120	07.27.17 00.36		
1,4-Difluorobenzene	540-36-3	103	%	80-120	07.27.17 00.36		



Certificate of Analytical Results 558337



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id: **SP-8**
Lab Sample Id: 558337-008

Matrix: Soil
Date Collected: 07.20.17 14.35

Date Received: 07.24.17 15.31

Analytical Method: Chloride by EPA 300

Tech: MGO

Analyst: MGO

Seq Number: 3023433

Prep Method: E300P

% Moisture:

Date Prep: 07.27.17 15.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1550	24.6	mg/kg	07.27.17 20.26		5

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3023496

Prep Method: TX1005P

% Moisture:

Date Prep: 07.26.17 17.00

Basis: Wet Weight

SUB: T104704400

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.26.17 21.13	U	1
Diesel Range Organics (DRO)	C10C28DRO	83.6	15.0	mg/kg	07.26.17 21.13		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	07.26.17 21.13	U	1
Total TPH	PHC635	83.6	15.0	mg/kg	07.26.17 21.13		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	07.26.17 21.13	
o-Terphenyl	84-15-1	108	%	70-135	07.26.17 21.13	



Certificate of Analytical Results 558337



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-8**
Lab Sample Id: 558337-008

Matrix: Soil
Date Collected: 07.20.17 14.35

Date Received: 07.24.17 15.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 07.26.17 15.00

Basis: Wet Weight

Seq Number: 3023326

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	07.27.17 01.14	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	07.27.17 01.14	U	1
Ethylbenzene	100-41-4	0.00270	0.00202	mg/kg	07.27.17 01.14		1
m,p-Xylenes	179601-23-1	0.0120	0.00403	mg/kg	07.27.17 01.14		1
o-Xylene	95-47-6	0.00396	0.00202	mg/kg	07.27.17 01.14		1
Total Xylenes	1330-20-7	0.0160	0.00202	mg/kg	07.27.17 01.14		1
Total BTEX		0.0187	0.00202	mg/kg	07.27.17 01.14		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	113		%	80-120	07.27.17 01.14	
1,4-Difluorobenzene	540-36-3	97		%	80-120	07.27.17 01.14	

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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Certified and approved by numerous States and Agencies.

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 5332 Blackberry Drive, San Antonio TX 78238
 1211 W Florida Ave, Midland, TX 79701
 2525 W. Huntington Dr. - Suite 102, Tempe AZ 85282

Phone	Fax
(281) 240-4200	(281) 240-4280
(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(432) 563-1800	(432) 563-1713
(602) 437-0330	

Trinity Oilfield Services & Rentals, LLC
Indian Basin Station 210**Analytical Method: Chloride by EPA 300**

Seq Number: 3023433

MB Sample Id: 728362-1-BLK

Matrix: Solid

LCS Sample Id: 728362-1-BKS

Prep Method: E300P

Date Prep: 07.27.17

LCSD Sample Id: 728362-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	249	100	247	99	90-110	1	20	mg/kg	07.27.17 17:14	

Analytical Method: Chloride by EPA 300

Seq Number: 3023433

Parent Sample Id: 558057-001

Matrix: Soil

MS Sample Id: 558057-001 S

Prep Method: E300P

Date Prep: 07.27.17

MSD Sample Id: 558057-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	342	250	577	94	582	96	90-110	1	20	mg/kg	07.27.17 17:37	

Analytical Method: Chloride by EPA 300

Seq Number: 3023433

Parent Sample Id: 558337-005

Matrix: Soil

MS Sample Id: 558337-005 S

Prep Method: E300P

Date Prep: 07.27.17

MSD Sample Id: 558337-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1080	248	1280	81	1280	81	90-110	0	20	mg/kg	07.27.17 19:24	X

Analytical Method: TPH By SW8015 Mod

Seq Number: 3023496

MB Sample Id: 728363-1-BLK

Matrix: Solid

LCS Sample Id: 728363-1-BKS

Prep Method: TX1005P

Date Prep: 07.26.17

LCSD Sample Id: 728363-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	882	88	858	86	70-135	3	35	mg/kg	07.26.17 16:29	
Diesel Range Organics (DRO)	<15.0	1000	924	92	918	92	70-135	1	35	mg/kg	07.26.17 16:29	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	93		109		105		70-135	%	07.26.17 16:29
o-Terphenyl	112		126		121		70-135	%	07.26.17 16:29

Trinity Oilfield Services & Rentals, LLC
Indian Basin Station 210

Analytical Method: TPH By SW8015 Mod

Seq Number: 3023496

Parent Sample Id: 558337-001

Matrix: Soil

MS Sample Id: 558337-001 S

Prep Method: TX1005P

Date Prep: 07.26.17

MSD Sample Id: 558337-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	58.2	999	894	84	926	87	70-135	4	35	mg/kg	07.26.17 17:47	
Diesel Range Organics (DRO)	179	999	1030	85	1080	90	70-135	5	35	mg/kg	07.26.17 17:47	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	105		111		70-135	%	07.26.17 17:47
o-Terphenyl	122		126		70-135	%	07.26.17 17:47

Analytical Method: BTEX by EPA 8021B

Seq Number: 3023326

MB Sample Id: 728303-1-BLK

Matrix: Solid

LCS Sample Id: 728303-1-BKS

Prep Method: SW5030B

Date Prep: 07.26.17

LCSD Sample Id: 728303-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.102	102	0.102	101	70-130	0	35	mg/kg	07.26.17 16:50	
Toluene	<0.00201	0.100	0.103	103	0.103	102	70-130	0	35	mg/kg	07.26.17 16:50	
Ethylbenzene	<0.00201	0.100	0.108	108	0.108	107	71-129	0	35	mg/kg	07.26.17 16:50	
m,p-Xylenes	<0.00402	0.201	0.210	104	0.210	104	70-135	0	35	mg/kg	07.26.17 16:50	
o-Xylene	<0.00201	0.100	0.105	105	0.105	104	71-133	0	35	mg/kg	07.26.17 16:50	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		104		108		80-120	%	07.26.17 16:50
4-Bromofluorobenzene	107		110		112		80-120	%	07.26.17 16:50

Analytical Method: BTEX by EPA 8021B

Seq Number: 3023326

Parent Sample Id: 558338-012

Matrix: Soil

MS Sample Id: 558338-012 S

Prep Method: SW5030B

Date Prep: 07.26.17

MSD Sample Id: 558338-012 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0610	61	0.0644	64	70-130	5	35	mg/kg	07.26.17 17:27	X
Toluene	0.00205	0.100	0.0571	55	0.0608	58	70-130	6	35	mg/kg	07.26.17 17:27	X
Ethylbenzene	<0.00200	0.100	0.0508	51	0.0563	56	71-129	10	35	mg/kg	07.26.17 17:27	X
m,p-Xylenes	0.00469	0.200	0.0972	46	0.108	51	70-135	11	35	mg/kg	07.26.17 17:27	X
o-Xylene	0.00264	0.100	0.0504	48	0.0559	53	71-133	10	35	mg/kg	07.26.17 17:27	X

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	108		103		80-120	%	07.26.17 17:27
4-Bromofluorobenzene	119		112		80-120	%	07.26.17 17:27



CHAIN OF CUSTODY RECORD

Houston: 4143 Greenbriar Dr. Stafford, TX 77477 (281)240-4200 Odessa: 12600 West I-20 East Odessa, TX 79765 (432)563-1800

Page 1 of 1

LAB W.O #:

558337

Field billable Hrs :

* Container Type Codes

VA Vial Amber ES Encore Sampler
VC Vial Clear TS TerraCore Sampler
VP Vial Pre-preserved AC Air Canister
GA Glass Amber TB Tedlar Bag
GC Glass Clear ZB Zip Lock Bag
PA Plastic Amber PC Plastic Clear
Other _____

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz, 1Gal
40ml, 125 ml, 250 ml, 500 ml, 1L, Other _____

** Preservative Type Codes

A. None E. HCL I. Ice
B. HNO₃ F. MeOH J. MCAA C.
H₂SO₄ G. Na₂SO₃ K. ZnAc&NaOH
D. NaOH H. NaHSO₄ L. Asbic Acid&NaOH
O. _____

^ Matrix Type Codes

GW Ground Water S. Soil/Sediment/Solid
WW Waste Water W. Wipe
DW Drinking Water A. Air
SW Surface Water O. Oil
OW Ocean/Sea Water T. Tissue
PL Product-Liquid U. Urine
PS Product-Solid B. Blood
SL Sludge
Other _____

REMARKS

Temp: 0.9 IR ID:R-8
CF:(0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 0.7

Company:	Trinity Oilfield Services & Rentals, LLC	Phone:	(575)390-7208
Address:	P.O. Box 2587	Fax:	
City:	Hobbs	State:	NM
PM/Attn:	Ben J. Arguijo	Email:	wade.dillich@oxy.com & ben@trinityoilfieldservices.com
Project ID:	Indian Basin Station 210	PO#:	
Invoice To:	Oxy - Wade Dillich (575)390-2828	Quote #:	
Sampler Name:	Ben J. Arguijo	Circle One Event:	Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ¹	Field Filled	Integrity OK (Y/N)	Total # of containers	Example Volatiles by GC/MS	TPH	BTEX	Chloride	Field Sample (CALL) or Highest TPH Only
1	SP-1	7/20/17	1400	S			1		X	X	X	
2	SP-2	7/20/17	1405	S			1		X	X	X	
3	SP-3	7/20/17	1410	S			1		X	X	X	
4	SP-4	7/20/17	1415	S			1		X	X	X	
5	SP-5	7/20/17	1420	S			1		X	X	X	
6	SP-6	7/20/17	1425	S			1		X	X	X	
7	SP-7	7/20/17	1430	S			1		X	X	X	
8	SP-8	7/20/17	1435	S			1		X	X	X	
9												
0												

Reg. Program / Clean-up Std	STATE for Certs & Regs	QA/QC Level & Certification	EDDs	COC & Labels	Coolers Temp °C	Lab Use Only	YES NO N/A
CTLs TRRP DW NPDES LPST DryCln Other:	FL TX GA NC SC NJ PA OK LA AL NM Other:	1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:	ADAPT SEDD ERPIMS XLS Other:	Match Incomplete Absent Unclear	10-12 3	Non-Conformances found? Samples intact upon arrival? Received on Well log? Labelled with proper preservatives? Received within holding time? Custody seals intact? VOCs rec'd w/o headspace? Proper containers used? pH verified-acceptable, and VOCs? Received on time to meet HTs?	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____
Relinquished By:	Affiliation:	Date:	Time:	Received by:	Affiliation:	Date:	Time:
1	Trinity	7/24/17	1530	Kenneth D.	MS	7-24-17	8:31
2				Shahneesh	Xenco	7-25-17	11:00
3							
4							

B&A Laboratories: Hobbs 575-392-7550 Dallas 214-902-0300 Houston 281-242-4200 Odessa 432-563-1800 San Antonio 210-509-3334 Phoenix 602-437-0330
FTS Service Centers: Atlanta 770-449-8800 Lakeland 863-646-8526 Tampa 803-543-8099 Philadelphia 610-955-5649 South Carolina 803-543-8099

C.O.C. Serial #

Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previously agreed in writing. Terms of payment are Net 30 days, and all past due amounts shall accrue interest at 1.5% per month until paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full. Revision Date: Nov 12, 2009



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 07/24/2017 03:31:00 PM

Work Order #: 558337

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	.7
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seal present on shipping container/ cooler?	N/A
#5 *Custody Seals intact on shipping container/ cooler?	N/A
#6 Custody Seals intact on sample bottles?	N/A
#7 *Custody Seals Signed and dated?	N/A
#8 *Chain of Custody present?	Yes
#9 Sample instructions complete on Chain of Custody?	Yes
#10 Any missing/extra samples?	No
#11 Chain of Custody signed when relinquished/ received?	Yes
#12 Chain of Custody agrees with sample label(s)?	Yes
#13 Container label(s) legible and intact?	Yes
#14 Sample matrix/ properties agree with Chain of Custody?	Yes
#15 Samples in proper container/ bottle?	Yes
#16 Samples properly preserved?	Yes
#17 Sample container(s) intact?	Yes
#18 Sufficient sample amount for indicated test(s)?	Yes
#19 All samples received within hold time?	Yes
#20 Subcontract of sample(s)?	N/A
#21 VOC samples have zero headspace?	N/A

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by:

Jessica Kramer

Jessica Kramer

Date: 07/25/2017

Checklist reviewed by:

Brandi Ritcherson

Brandi Ritcherson

Date: 07/25/2017



Certificate of Analysis Summary 562531

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Indian Basin Station 210



Project Id:

Contact: Ben Arguijo

Project Location: NM

Date Received in Lab: Mon Sep-11-17 09:23 am

Report Date: 22-SEP-17

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	562531-001	562531-002	562531-003	562531-004		
	<i>Field Id:</i>	SP-8 @ 1'	SP-8 @ 3'	SP-7 @ 2'	SP-7 @ 5'		
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL		
	<i>Sampled:</i>	Sep-07-17 13:53	Sep-07-17 14:11	Sep-07-17 14:50	Sep-07-17 15:20		
BTEX by EPA 8021B	<i>Extracted:</i>	Sep-14-17 08:37	Sep-14-17 08:37	Sep-14-17 16:00	Sep-13-17 13:00		
	<i>Analyzed:</i>	Sep-14-17 14:36	Sep-14-17 13:39	Sep-14-17 19:57	Sep-13-17 21:32		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200		
Toluene		<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200		
Ethylbenzene		<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200		
m,p-Xylenes		<0.00398 0.00398	<0.00400 0.00400	<0.00398 0.00398	<0.00399 0.00399		
o-Xylene		<0.00199 0.00199	<0.00200 0.00200	0.00251 0.00199	<0.00200 0.00200		
Total Xylenes		<0.00199 0.00199	<0.00200 0.00200	0.00251 0.00199	<0.00200 0.00200		
Total BTEX		<0.00199 0.00199	<0.00200 0.00200	0.00251 0.00199	<0.00200 0.00200		
Chloride by EPA 300	<i>Extracted:</i>	Sep-20-17 14:50	Sep-20-17 14:50	Sep-20-17 14:50	Sep-20-17 14:50		
	<i>Analyzed:</i>	Sep-20-17 18:20	Sep-20-17 18:27	Sep-20-17 18:34	Sep-20-17 18:41		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride		1370 4.98	1020 5.00	869 4.95	1160 5.00		
TPH By SW8015 Mod	<i>Extracted:</i>	Sep-15-17 18:00	Sep-15-17 18:00	Sep-15-17 18:00	Sep-15-17 18:00		
	<i>Analyzed:</i>	Sep-16-17 06:36	Sep-16-17 07:40	Sep-16-17 08:01	Sep-16-17 08:21		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9		
Diesel Range Organics (DRO)		<15.0 15.0	45.8 15.0	<15.0 15.0	46.3 14.9		
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9		
Total TPH		<15.0 15.0	45.8 15.0	<15.0 15.0	46.3 14.9		

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use.
The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories.
XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.
Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Holly Taylor
Project Manager

Analytical Report 562531
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo
Indian Basin Station 210

22-SEP-17

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215), Arizona (AZ0765), Florida (E871002), Louisiana (03054)
Oklahoma (9218)

Xenco-Dallas (EPA Lab code: TX01468): Texas (T104704295)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400)
Xenco-San Antonio: Texas (T104704534)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)



22-SEP-17

Project Manager: **Ben Arguijo**
Trinity Oilfield Services & Rentals, LLC
PO BOX 2587
Hobbs, NM 88241

Reference: XENCO Report No(s): **562531**
Indian Basin Station 210
Project Address: NM

Ben Arguijo:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 562531. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 562531 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Holly Taylor
Project Manager

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Sample Cross Reference 562531



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-8 @ 1'	S	09-07-17 13:53		562531-001
SP-8 @ 3'	S	09-07-17 14:11		562531-002
SP-7 @ 2'	S	09-07-17 14:50		562531-003
SP-7 @ 5'	S	09-07-17 15:20		562531-004



CASE NARRATIVE

Client Name: *Trinity Oilfield Services & Rentals, LLC*

Project Name: *Indian Basin Station 210*

Project ID:
Work Order Number(s): 562531

Report Date: 22-SEP-17
Date Received: 09/11/2017

Sample receipt non conformance and comments:

None

Sample receipt non conformance and comments per sample:

None

Analytical non conformance and comments:

Batch: LBA-3027595 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Lab Sample ID 562531-004 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD).

Ethylbenzene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Toluene recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 562531-004.

The Laboratory Control Sample for Toluene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3027682 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3027739 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.



Certificate of Analytical Results 562531



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id: **SP-8 @ 1'**
Lab Sample Id: 562531-001

Matrix: Soil
Date Collected: 09.07.17 13.53

Date Received: 09.11.17 09.23

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3028327

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Date Prep: 09.20.17 14.50

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1370	4.98	mg/kg	09.20.17 18.20		1

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3027864

Prep Method: TX1005P

% Moisture:

Basis: Wet Weight

Date Prep: 09.15.17 18.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.16.17 06.36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	09.16.17 06.36	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.16.17 06.36	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	09.16.17 06.36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	104	%	70-135	09.16.17 06.36		
o-Terphenyl	84-15-1	102	%	70-135	09.16.17 06.36		



Certificate of Analytical Results 562531



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-8 @ 1'**
Lab Sample Id: 562531-001

Matrix: Soil
Date Collected: 09.07.17 13.53

Date Received: 09.11.17 09.23

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.14.17 08.37

Basis: Wet Weight

Seq Number: 3027739

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.14.17 14.36	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.14.17 14.36	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.14.17 14.36	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.14.17 14.36	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.14.17 14.36	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.14.17 14.36	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.14.17 14.36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	85	%	80-120	09.14.17 14.36		
1,4-Difluorobenzene	540-36-3	98	%	80-120	09.14.17 14.36		



Certificate of Analytical Results 562531



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-8 @ 3'**
Lab Sample Id: 562531-002

Matrix: Soil
Date Collected: 09.07.17 14.11

Date Received: 09.11.17 09.23

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3028327

Prep Method: E300P
% Moisture:
Date Prep: 09.20.17 14.50
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1020	5.00	mg/kg	09.20.17 18.27		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3027864

Prep Method: TX1005P
% Moisture:
Date Prep: 09.15.17 18.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.16.17 07.40	U	1
Diesel Range Organics (DRO)	C10C28DRO	45.8	15.0	mg/kg	09.16.17 07.40		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.16.17 07.40	U	1
Total TPH	PHC635	45.8	15.0	mg/kg	09.16.17 07.40		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	96	%	70-135	09.16.17 07.40		
o-Terphenyl	84-15-1	95	%	70-135	09.16.17 07.40		



Certificate of Analytical Results 562531



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-8 @ 3'**
Lab Sample Id: 562531-002

Matrix: Soil
Date Collected: 09.07.17 14.11

Date Received: 09.11.17 09.23

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.14.17 08.37

Basis: Wet Weight

Seq Number: 3027739

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.14.17 13.39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.14.17 13.39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.14.17 13.39	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	09.14.17 13.39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.14.17 13.39	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.14.17 13.39	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.14.17 13.39	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	84	%	80-120	09.14.17 13.39		
1,4-Difluorobenzene	540-36-3	110	%	80-120	09.14.17 13.39		



Certificate of Analytical Results 562531



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-7 @ 2'**
Lab Sample Id: 562531-003

Matrix: Soil
Date Collected: 09.07.17 14.50

Date Received: 09.11.17 09.23

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3028327

Prep Method: E300P
% Moisture:
Basis: Wet Weight
Date Prep: 09.20.17 14.50

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	869	4.95	mg/kg	09.20.17 18.34		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3027864

Prep Method: TX1005P
% Moisture:
Basis: Wet Weight
Date Prep: 09.15.17 18.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.16.17 08.01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	09.16.17 08.01	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.16.17 08.01	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	09.16.17 08.01	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	94	%	70-135	09.16.17 08.01		
o-Terphenyl	84-15-1	92	%	70-135	09.16.17 08.01		



Certificate of Analytical Results 562531



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-7 @ 2'**
Lab Sample Id: 562531-003

Matrix: Soil
Date Collected: 09.07.17 14.50

Date Received: 09.11.17 09.23

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.14.17 16.00

Basis: Wet Weight

Seq Number: 3027682

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.14.17 19.57	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.14.17 19.57	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.14.17 19.57	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.14.17 19.57	U	1
o-Xylene	95-47-6	0.00251	0.00199	mg/kg	09.14.17 19.57		1
Total Xylenes	1330-20-7	0.00251	0.00199	mg/kg	09.14.17 19.57		1
Total BTEX		0.00251	0.00199	mg/kg	09.14.17 19.57		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	101	%	80-120	09.14.17 19.57		
4-Bromofluorobenzene	460-00-4	83	%	80-120	09.14.17 19.57		



Certificate of Analytical Results 562531



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-7 @ 5'**
Lab Sample Id: 562531-004

Matrix: Soil
Date Collected: 09.07.17 15.20

Date Received: 09.11.17 09.23

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3028327

Prep Method: E300P
% Moisture:
Date Prep: 09.20.17 14.50
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1160	5.00	mg/kg	09.20.17 18.41		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3027864

Prep Method: TX1005P
% Moisture:
Date Prep: 09.15.17 18.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	09.16.17 08.21	U	1
Diesel Range Organics (DRO)	C10C28DRO	46.3	14.9	mg/kg	09.16.17 08.21		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	09.16.17 08.21	U	1
Total TPH	PHC635	46.3	14.9	mg/kg	09.16.17 08.21		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	100	%	70-135	09.16.17 08.21		
o-Terphenyl	84-15-1	99	%	70-135	09.16.17 08.21		



Certificate of Analytical Results 562531



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-7 @ 5'**

Matrix: Soil

Date Received: 09.11.17 09.23

Lab Sample Id: 562531-004

Date Collected: 09.07.17 15.20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.13.17 13.00

Basis: Wet Weight

Seq Number: 3027595

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.13.17 21.32	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.13.17 21.32	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.13.17 21.32	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	09.13.17 21.32	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.13.17 21.32	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.13.17 21.32	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.13.17 21.32	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	85	%	80-120	09.13.17 21.32		
1,4-Difluorobenzene	540-36-3	92	%	80-120	09.13.17 21.32		

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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(210) 509-3334	(210) 509-3335
(432) 563-1800	(432) 563-1713
(602) 437-0330	



QC Summary 562531

Trinity Oilfield Services & Rentals, LLC Indian Basin Station 210

Analytical Method: Chloride by EPA 300

Seq Number: 3028327

MB Sample Id: 731284-1-BLK

Matrix: Solid

LCS Sample Id: 731284-1-BKS

Prep Method: E300P

Date Prep: 09.20.17

LCSD Sample Id: 731284-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	268	107	268	107	90-110	0	20	mg/kg	09.20.17 16:57	

Analytical Method: Chloride by EPA 300

Seq Number: 3028327

Parent Sample Id: 562530-012

Matrix: Soil

MS Sample Id: 562530-012 S

Prep Method: E300P

Date Prep: 09.20.17

MSD Sample Id: 562530-012 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	2420	249	2660	96	2650	92	90-110	0	20	mg/kg	09.20.17 17:18	

Analytical Method: Chloride by EPA 300

Seq Number: 3028327

Parent Sample Id: 562800-018

Matrix: Soil

MS Sample Id: 562800-018 S

Prep Method: E300P

Date Prep: 09.20.17

MSD Sample Id: 562800-018 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<4.99	250	266	106	266	106	90-110	0	20	mg/kg	09.20.17 18:55	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3027864

MB Sample Id: 731082-1-BLK

Matrix: Solid

LCS Sample Id: 731082-1-BKS

Prep Method: TX1005P

Date Prep: 09.15.17

LCSD Sample Id: 731082-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	1080	108	985	99	70-135	9	35	mg/kg	09.16.17 05:56	
Diesel Range Organics (DRO)	<15.0	1000	1130	113	1060	106	70-135	6	35	mg/kg	09.16.17 05:56	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	107		118		107		70-135	%	09.16.17 05:56
o-Terphenyl	102		117		105		70-135	%	09.16.17 05:56



QC Summary 562531

Trinity Oilfield Services & Rentals, LLC Indian Basin Station 210

Analytical Method: TPH By SW8015 Mod

Seq Number: 3027864

Parent Sample Id: 562531-001

Matrix: Soil

MS Sample Id: 562531-001 S

Prep Method: TX1005P

Date Prep: 09.15.17

MSD Sample Id: 562531-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	997	1110	111	1010	101	70-135	9	35	mg/kg	09.16.17 06:57	
Diesel Range Organics (DRO)	<15.0	997	1120	112	1080	108	70-135	4	35	mg/kg	09.16.17 06:57	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	118		105		70-135	%	09.16.17 06:57
o-Terphenyl	112		101		70-135	%	09.16.17 06:57

Analytical Method: BTEX by EPA 8021B

Seq Number: 3027595

MB Sample Id: 730911-1-BLK

Matrix: Solid

LCS Sample Id: 730911-1-BKS

Prep Method: SW5030B

Date Prep: 09.13.17

LCSD Sample Id: 730911-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.104	103	0.100	100	70-130	4	35	mg/kg	09.13.17 19:40	
Toluene	<0.00202	0.101	0.0996	99	0.0952	95	70-130	5	35	mg/kg	09.13.17 19:40	
Ethylbenzene	<0.00202	0.101	0.0994	98	0.0948	95	71-129	5	35	mg/kg	09.13.17 19:40	
m,p-Xylenes	<0.00403	0.202	0.194	96	0.184	92	70-135	5	35	mg/kg	09.13.17 19:40	
o-Xylene	<0.00202	0.101	0.0938	93	0.0890	89	71-133	5	35	mg/kg	09.13.17 19:40	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	91		90		92		80-120	%	09.13.17 19:40
4-Bromofluorobenzene	82		86		86		80-120	%	09.13.17 19:40

Analytical Method: BTEX by EPA 8021B

Seq Number: 3027739

MB Sample Id: 730960-1-BLK

Matrix: Solid

LCS Sample Id: 730960-1-BKS

Prep Method: SW5030B

Date Prep: 09.14.17

LCSD Sample Id: 730960-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.103	103	0.102	103	70-130	1	35	mg/kg	09.14.17 08:56	
Toluene	<0.00200	0.0998	0.0975	98	0.0965	97	70-130	1	35	mg/kg	09.14.17 08:56	
Ethylbenzene	<0.00200	0.0998	0.0963	96	0.0961	97	71-129	0	35	mg/kg	09.14.17 08:56	
m,p-Xylenes	<0.00399	0.200	0.187	94	0.186	93	70-135	1	35	mg/kg	09.14.17 08:56	
o-Xylene	<0.00200	0.0998	0.0902	90	0.0904	91	71-133	0	35	mg/kg	09.14.17 08:56	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		99		97		80-120	%	09.14.17 08:56
4-Bromofluorobenzene	81		90		90		80-120	%	09.14.17 08:56

Trinity Oilfield Services & Rentals, LLC
Indian Basin Station 210

Analytical Method: BTEX by EPA 8021B

Seq Number: 3027682

MB Sample Id: 730962-1-BLK

Matrix: Solid

LCS Sample Id: 730962-1-BKS

Prep Method: SW5030B

Date Prep: 09.14.17

LCSD Sample Id: 730962-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0991	99	0.0987	99	70-130	0	35	mg/kg	09.14.17 18:04	
Toluene	<0.00200	0.0998	0.0976	98	0.0976	98	70-130	0	35	mg/kg	09.14.17 18:04	
Ethylbenzene	<0.00200	0.0998	0.0958	96	0.0958	96	71-129	0	35	mg/kg	09.14.17 18:04	
m,p-Xylenes	<0.00399	0.200	0.186	93	0.186	93	70-135	0	35	mg/kg	09.14.17 18:04	
o-Xylene	<0.00200	0.0998	0.0901	90	0.0906	91	71-133	1	35	mg/kg	09.14.17 18:04	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	93		96		96		80-120	%	09.14.17 18:04
4-Bromofluorobenzene	94		93		92		80-120	%	09.14.17 18:04

Analytical Method: BTEX by EPA 8021B

Seq Number: 3027595

Parent Sample Id: 562531-004

Matrix: Soil

MS Sample Id: 562531-004 S

Prep Method: SW5030B

Date Prep: 09.13.17

MSD Sample Id: 562531-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.0756	76	0.0806	81	70-130	6	35	mg/kg	09.13.17 20:16	
Toluene	<0.00201	0.100	0.0705	71	0.0675	68	70-130	4	35	mg/kg	09.13.17 20:16	X
Ethylbenzene	<0.00201	0.100	0.0680	68	0.0617	62	71-129	10	35	mg/kg	09.13.17 20:16	X
m,p-Xylenes	<0.00402	0.201	0.131	65	0.114	57	70-135	14	35	mg/kg	09.13.17 20:16	X
o-Xylene	<0.00201	0.100	0.0675	68	0.0569	57	71-133	17	35	mg/kg	09.13.17 20:16	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		103		80-120	%	09.13.17 20:16
4-Bromofluorobenzene	89		85		80-120	%	09.13.17 20:16

Analytical Method: BTEX by EPA 8021B

Seq Number: 3027739

Parent Sample Id: 562530-002

Matrix: Soil

MS Sample Id: 562530-002 S

Prep Method: SW5030B

Date Prep: 09.14.17

MSD Sample Id: 562530-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.0891	88	0.0853	85	70-130	4	35	mg/kg	09.14.17 09:34	
Toluene	<0.00202	0.101	0.0828	82	0.0786	79	70-130	5	35	mg/kg	09.14.17 09:34	
Ethylbenzene	<0.00202	0.101	0.0805	80	0.0745	75	71-129	8	35	mg/kg	09.14.17 09:34	
m,p-Xylenes	<0.00403	0.202	0.155	77	0.143	72	70-135	8	35	mg/kg	09.14.17 09:34	
o-Xylene	<0.00202	0.101	0.0776	77	0.0712	71	71-133	9	35	mg/kg	09.14.17 09:34	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		105		80-120	%	09.14.17 09:34
4-Bromofluorobenzene	95		96		80-120	%	09.14.17 09:34

Trinity Oilfield Services & Rentals, LLC
Indian Basin Station 210

Analytical Method: BTEX by EPA 8021B

Seq Number: 3027682

Parent Sample Id: 562531-003

Matrix: Soil

MS Sample Id: 562531-003 S

Prep Method: SW5030B

Date Prep: 09.14.17

MSD Sample Id: 562531-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.0909	90	0.0848	85	70-130	7	35	mg/kg	09.14.17 18:42	
Toluene	<0.00202	0.101	0.0882	87	0.0823	82	70-130	7	35	mg/kg	09.14.17 18:42	
Ethylbenzene	<0.00202	0.101	0.0859	85	0.0805	81	71-129	6	35	mg/kg	09.14.17 18:42	
m,p-Xylenes	<0.00404	0.202	0.167	83	0.156	78	70-135	7	35	mg/kg	09.14.17 18:42	
o-Xylene	0.00251	0.101	0.0822	79	0.0774	75	71-133	6	35	mg/kg	09.14.17 18:42	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		101		80-120	%	09.14.17 18:42
4-Bromofluorobenzene	97		100		80-120	%	09.14.17 18:42



CHAIN OF CUSTODY RECORD

Houston: 4143 Greenbriar Dr. Stafford, TX 77477 (281)240-4200 Odessa: 12000 West I-20 East Odessa, TX 79765 (432)563-1800
70001-C

Page 1 of 1

LAB W.O #:

Field billable Hrs :

562531

* Container Type Codes

VA Vial Amber	ES Encore Sampler
VC Vial Clear	TS TerraCore Sampler
VP Vial Pre-preserved	AC Air Canister
GA Glass Amber	TB Teller Bag
GC Glass Clear	ZB Zip Lock Bag
PA Plastic Amber	PC Plastic Clear
Other	

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz, 1Gal
40ml, 125 ml, 250 ml, 500 ml, 1L, Other

** Preservative Type Codes

A. None	E. HCL	I. Ice
B. HNO ₃	F. MeOH	J. MCAA
H ₂ SO ₄	G. Na ₂ SiO ₃	K. ZnAc ₂ /NaOH
D. NaOH	H. NaHSO ₄	L. Asbc Acid/NaOH
O.		

* Matrix Type Codes

GW Ground Water	S. Soil/Sediment/Solid
WW Waste Water	W. Wipe
DW Drinking Water	A. Air
SW Surface Water	O. Oil
OW Ocean/Sea Water	T. Tissue
PL Product-Liquid	U. Urine
PS Product-Solid	B. Blood
SL Sludge	

Company:	Trinity Oilfield Services & Rentals, LLC	Phone:	(575)390-7208
Address:	P.O. Box 2587	Fax:	
City:	Hobbs	State:	NM
PM/Attn:	Ben J. Arguijo	Email:	wade.dittrich@oxy.com & ben@trinityoilfieldservices.com
Project ID:	Indian Basin Station 210	PO#:	
Invoice To:	Oxy - Wade Dittrich (575)390-2828	Quote #:	

Sampler Name:	Duskie Bennett	Circle One Event:	Daily	Weekly	Monthly	Quarterly
		Semi-Annual	Annual	N/A		

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field Filtered	Field Integrity	OK (Y/N)	Total # of containers	Example Volatiles by 6260	TPH 8015M	BTEX	Chloride	Hold Sample (CALL) or Highest TPH	Run PAH Only
1	SP-8 @1'	9/7/17	1353	S				1		X	X	X		
2	SP-8 @3'	9/7/17	1411	S				1		X	X	X		
3	SP-7 @2'	9/7/17	1450	S				1		X	X	X		
4	SP-7 @5'	9/7/17	1520	S				1		X	X	X		
5														
6														
7														
8														
9														
0														

TAT Work Days = D	Need results by:	Time:
Std (5-7D) 5Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other		

ANALYSES REQUESTED	GC	GC	GC											
Cont Type ^ VC														
Pres Type ^	I	I	I											
Example Volatiles by 6260	TPH 8015M	BTEX	Chloride											
# Cont	Lab Only:													

REMARKS

Reg. Program / Clean-up Std	STATE for Certs & Regs	QA/QC Level & Certification	EDDs	COC & Labels	Coolers Temp °C	Lab Use Only	YES NO N/A
CTLs TRRP DW NPDES LPST DryCln Other:	FL TX GA NC SC NJ PA OK LA AL NM Other:	1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:	AdAPT SEDD ERPIMS XLS Other:	Match Incomplete Absent Unclear	1 2 3	Non-Conformance found?	
Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1	Wade Dittrich	Trinity	9/11/17 0921	EG	MS	9-11	9:23
2				Shane Smith	Xenco	9-12-17	10:29
3							
4							

B&A Laboratories: Hobbs 575-392-7550 Dallas 214-902-0300 Houston 281-242-4200 Odessa 432-563-1800 San Antonio 210-509-3334 Phoenix 602-437-033
FTS Service Centers: Atlanta 770-449-8800 Lakeland 863-646-8526 Tampa 803-543-8099 Philadelphia 610-955-5649 South Carolina 803-543-8099

Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previo
shall accrue interest at 1.5% per month until paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full.

Revision Da

Temp: -0.4 IR ID:R-8
CF:(0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: -0.2

sounds



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 09/11/2017 09:23:00 AM

Work Order #: 562531

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	2
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	No
#18 Water VOC samples have zero headspace?	N/A

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by:

Shawnee Smith

Date: 09/12/2017

Checklist reviewed by:

Holly Taylor

Date: 09/13/2017



Certificate of Analysis Summary 565630

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Indian Basin Station 210



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Fri Oct-13-17 12:30 pm

Report Date: 20-OCT-17

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	565630-001	565630-002	565630-003	565630-004	565630-005	565630-006
	<i>Field Id:</i>	SP-4 @ 2'	SP-4 @ 4'	SP-5 @ 3'	SP-5 @ 5'	SP-5 @ 6'	SP-7 @ 6'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Oct-12-17 11:25	Oct-12-17 11:35	Oct-12-17 10:35	Oct-12-17 10:45	Oct-12-17 11:05	Oct-12-17 12:05
BTEX by EPA 8021B	<i>Extracted:</i>	Oct-15-17 08:30	Oct-15-17 08:30	Oct-15-17 08:30		Oct-16-17 16:30	
	<i>Analyzed:</i>	Oct-16-17 17:19	Oct-16-17 17:38	Oct-16-17 17:57		Oct-16-17 23:05	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL		mg/kg RL	
Benzene		<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202		<0.00201 0.00201	
Toluene		<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202		<0.00201 0.00201	
Ethylbenzene		<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202		<0.00201 0.00201	
m,p-Xylenes		<0.00399 0.00399	<0.00403 0.00403	<0.00404 0.00404		<0.00402 0.00402	
o-Xylene		<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202		<0.00201 0.00201	
Total Xylenes		<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202		<0.00201 0.00201	
Total BTEX		<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202		<0.00201 0.00201	
Chloride by EPA 300	<i>Extracted:</i>	Oct-16-17 14:05	Oct-16-17 14:05	Oct-16-17 14:05	Oct-16-17 14:05	Oct-16-17 14:05	Oct-16-17 14:05
	<i>Analyzed:</i>	Oct-16-17 18:20	Oct-16-17 18:28	Oct-16-17 18:36	Oct-16-17 18:43	Oct-16-17 18:51	Oct-16-17 18:59
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		162 4.95	82.1 4.95	872 5.00	612 4.93	550 4.98	33.2 4.90
TPH By SW8015 Mod	<i>Extracted:</i>	Oct-17-17 11:01	Oct-17-17 11:01	Oct-17-17 11:01		Oct-17-17 11:01	
	<i>Analyzed:</i>	Oct-17-17 17:18	Oct-17-17 18:19	Oct-17-17 18:40		Oct-17-17 19:00	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL		mg/kg RL	
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0		<15.0 15.0	
Diesel Range Organics (DRO)		<15.0 15.0	26.3 15.0	<15.0 15.0		<15.0 15.0	
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	<15.0 15.0		<15.0 15.0	
Total TPH		<15.0 15.0	26.3 15.0	<15.0 15.0		<15.0 15.0	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Holly Taylor
Project Manager



Certificate of Analysis Summary 565630

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Indian Basin Station 210



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Fri Oct-13-17 12:30 pm

Report Date: 20-OCT-17

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	565630-007	565630-008	565630-009	565630-010	565630-011	
	Field Id:	SP-7 @ 7'	SP-8 @ 4'	SP-8 @ 5'	SP-9 @ 2'	SP-9 @ 5'	
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sampled:	Oct-12-17 12:10	Oct-12-17 10:15	Oct-12-17 10:20	Oct-12-17 12:30	Oct-12-17 12:37	
BTEX by EPA 8021B	Extracted:	Oct-16-17 16:30		Oct-16-17 16:30	Oct-16-17 16:30	Oct-16-17 16:30	
	Analyzed:	Oct-16-17 22:47		Oct-17-17 01:21	Oct-17-17 01:41	Oct-17-17 02:00	
	Units/RL:	mg/kg RL		mg/kg RL	mg/kg RL	mg/kg RL	
Benzene		<0.00200 0.00200		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	
Toluene		<0.00200 0.00200		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	
Ethylbenzene		<0.00200 0.00200		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	
m,p-Xylenes		<0.00399 0.00399		<0.00404 0.00404	<0.00401 0.00401	<0.00398 0.00398	
o-Xylene		<0.00200 0.00200		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	
Total Xylenes		<0.00200 0.00200		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	
Total BTEX		<0.00200 0.00200		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	
Chloride by EPA 300	Extracted:	Oct-16-17 14:05	Oct-16-17 15:20	Oct-16-17 15:20	Oct-16-17 15:20	Oct-16-17 15:20	
	Analyzed:	Oct-16-17 19:06	Oct-16-17 20:54	Oct-16-17 21:17	Oct-16-17 21:24	Oct-16-17 21:32	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		323 4.90	184 4.96	150 4.96	139 4.94	17.5 5.00	
TPH By SW8015 Mod	Extracted:	Oct-17-17 11:01		Oct-17-17 11:01	Oct-17-17 11:01	Oct-17-17 11:01	
	Analyzed:	Oct-17-17 19:20		Oct-17-17 19:40	Oct-17-17 20:00	Oct-17-17 20:19	
	Units/RL:	mg/kg RL		mg/kg RL	mg/kg RL	mg/kg RL	
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0		<15.0 15.0	<15.0 15.0	<15.0 15.0	
Diesel Range Organics (DRO)		20.5 15.0		<15.0 15.0	<15.0 15.0	<15.0 15.0	
Oil Range Hydrocarbons (ORO)		<15.0 15.0		<15.0 15.0	<15.0 15.0	<15.0 15.0	
Total TPH		20.5 15.0		<15.0 15.0	<15.0 15.0	<15.0 15.0	

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Holly Taylor
Project Manager

Analytical Report 565630
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo
Indian Basin Station 210

20-OCT-17

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-17-23), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab code: TX01468):
Texas (T104704295-17-15), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab code: TX00127): Texas (T104704221-17-12)
Xenco-Lubbock (EPA Lab code: TX00139): Texas (T104704219-17-16)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-17-13)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-17-3)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)



20-OCT-17

Project Manager: **Ben Arguijo**
Trinity Oilfield Services & Rentals, LLC
PO BOX 2587
Hobbs, NM 88241

Reference: XENCO Report No(s): **565630**
Indian Basin Station 210
Project Address:

Ben Arguijo:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 565630. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 565630 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

Holly Taylor
Project Manager

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A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America



Sample Cross Reference 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-4 @ 2'	S	10-12-17 11:25		565630-001
SP-4 @ 4'	S	10-12-17 11:35		565630-002
SP-5 @ 3'	S	10-12-17 10:35		565630-003
SP-5 @ 5'	S	10-12-17 10:45		565630-004
SP-5 @ 6'	S	10-12-17 11:05		565630-005
SP-7 @ 6'	S	10-12-17 12:05		565630-006
SP-7 @ 7'	S	10-12-17 12:10		565630-007
SP-8 @ 4'	S	10-12-17 10:15		565630-008
SP-8 @ 5'	S	10-12-17 10:20		565630-009
SP-9 @ 2'	S	10-12-17 12:30		565630-010
SP-9 @ 5'	S	10-12-17 12:37		565630-011



CASE NARRATIVE

Client Name: *Trinity Oilfield Services & Rentals, LLC*

Project Name: *Indian Basin Station 210*

Project ID:

Work Order Number(s): 565630

Report Date: 20-OCT-17

Date Received: 10/13/2017

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3030625 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3030630 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id: **SP-4 @ 2'**

Matrix: Soil

Date Received: 10.13.17 12.30

Lab Sample Id: 565630-001

Date Collected: 10.12.17 11.25

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.16.17 14.05

Basis: Wet Weight

Seq Number: 3030646

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	162	4.95	mg/kg	10.16.17 18.20		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.17.17 11.01

Basis: Wet Weight

Seq Number: 3030727

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.17.17 17.18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	10.17.17 17.18	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.17.17 17.18	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	10.17.17 17.18	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	10.17.17 17.18	
o-Terphenyl	84-15-1	94	%	70-135	10.17.17 17.18	



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-4 @ 2'**
Lab Sample Id: 565630-001

Matrix: Soil
Date Collected: 10.12.17 11.25

Date Received: 10.13.17 12.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.15.17 08.30

Basis: Wet Weight

Seq Number: 3030625

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.16.17 17.19	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.16.17 17.19	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.16.17 17.19	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.16.17 17.19	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.16.17 17.19	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.16.17 17.19	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.16.17 17.19	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	101	%	80-120	10.16.17 17.19		
4-Bromofluorobenzene	460-00-4	93	%	80-120	10.16.17 17.19		



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-4 @ 4'**
Lab Sample Id: 565630-002

Matrix: Soil
Date Collected: 10.12.17 11.35

Date Received: 10.13.17 12.30

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3030646

Prep Method: E300P
% Moisture:
Date Prep: 10.16.17 14.05
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	82.1	4.95	mg/kg	10.16.17 18.28		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3030727

Prep Method: TX1005P
% Moisture:
Date Prep: 10.17.17 11.01
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.17.17 18.19	U	1
Diesel Range Organics (DRO)	C10C28DRO	26.3	15.0	mg/kg	10.17.17 18.19		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.17.17 18.19	U	1
Total TPH	PHC635	26.3	15.0	mg/kg	10.17.17 18.19		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	106	%	70-135	10.17.17 18.19		
o-Terphenyl	84-15-1	101	%	70-135	10.17.17 18.19		



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-4 @ 4'**
Lab Sample Id: 565630-002

Matrix: Soil
Date Collected: 10.12.17 11.35

Date Received: 10.13.17 12.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.15.17 08.30

Basis: Wet Weight

Seq Number: 3030625

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.16.17 17.38	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.16.17 17.38	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.16.17 17.38	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	10.16.17 17.38	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.16.17 17.38	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.16.17 17.38	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.16.17 17.38	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	90	%	80-120	10.16.17 17.38		
1,4-Difluorobenzene	540-36-3	97	%	80-120	10.16.17 17.38		



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id: **SP-5 @ 3'**

Matrix: Soil

Date Received: 10.13.17 12.30

Lab Sample Id: 565630-003

Date Collected: 10.12.17 10.35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.16.17 14.05

Basis: Wet Weight

Seq Number: 3030646

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	872	5.00	mg/kg	10.16.17 18.36		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.17.17 11.01

Basis: Wet Weight

Seq Number: 3030727

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.17.17 18.40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	10.17.17 18.40	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.17.17 18.40	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	10.17.17 18.40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	109	%	70-135	10.17.17 18.40	
o-Terphenyl	84-15-1	104	%	70-135	10.17.17 18.40	



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-5 @ 3'**
Lab Sample Id: 565630-003

Matrix: Soil
Date Collected: 10.12.17 10.35

Date Received: 10.13.17 12.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.15.17 08.30

Basis: Wet Weight

Seq Number: 3030625

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.16.17 17.57	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.16.17 17.57	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.16.17 17.57	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	10.16.17 17.57	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.16.17 17.57	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.16.17 17.57	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.16.17 17.57	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	88	%	80-120	10.16.17 17.57		
1,4-Difluorobenzene	540-36-3	96	%	80-120	10.16.17 17.57		



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-5 @ 5'**

Matrix: Soil

Date Received: 10.13.17 12.30

Lab Sample Id: 565630-004

Date Collected: 10.12.17 10.45

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.16.17 14.05

Basis: Wet Weight

Seq Number: 3030646

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	612	4.93	mg/kg	10.16.17 18.43		1



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-5 @ 6'**
Lab Sample Id: 565630-005

Matrix: Soil
Date Collected: 10.12.17 11.05

Date Received: 10.13.17 12.30

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3030646

Prep Method: E300P
% Moisture:
Basis: Wet Weight
Date Prep: 10.16.17 14.05

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	550	4.98	mg/kg	10.16.17 18.51		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3030727

Prep Method: TX1005P
% Moisture:
Basis: Wet Weight
Date Prep: 10.17.17 11.01

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.17.17 19.00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	10.17.17 19.00	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.17.17 19.00	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	10.17.17 19.00	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	106	%	70-135	10.17.17 19.00		
o-Terphenyl	84-15-1	100	%	70-135	10.17.17 19.00		



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-5 @ 6'**
Lab Sample Id: 565630-005

Matrix: Soil
Date Collected: 10.12.17 11.05

Date Received: 10.13.17 12.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.16.17 16.30

Basis: Wet Weight

Seq Number: 3030630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	10.16.17 23.05	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	10.16.17 23.05	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	10.16.17 23.05	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	10.16.17 23.05	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	10.16.17 23.05	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	10.16.17 23.05	U	1
Total BTEX		<0.00201	0.00201	mg/kg	10.16.17 23.05	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	118	%	80-120	10.16.17 23.05		
1,4-Difluorobenzene	540-36-3	105	%	80-120	10.16.17 23.05		



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id: **SP-7 @ 6'**

Matrix: Soil

Date Received: 10.13.17 12.30

Lab Sample Id: 565630-006

Date Collected: 10.12.17 12.05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.16.17 14.05

Basis: Wet Weight

Seq Number: 3030646

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	33.2	4.90	mg/kg	10.16.17 18.59		1



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id: **SP-7 @ 7'**

Matrix: Soil

Date Received: 10.13.17 12.30

Lab Sample Id: 565630-007

Date Collected: 10.12.17 12.10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.16.17 14.05

Basis: Wet Weight

Seq Number: 3030646

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	323	4.90	mg/kg	10.16.17 19.06		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.17.17 11.01

Basis: Wet Weight

Seq Number: 3030727

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.17.17 19.20	U	1
Diesel Range Organics (DRO)	C10C28DRO	20.5	15.0	mg/kg	10.17.17 19.20		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.17.17 19.20	U	1
Total TPH	PHC635	20.5	15.0	mg/kg	10.17.17 19.20		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	10.17.17 19.20	
o-Terphenyl	84-15-1	97	%	70-135	10.17.17 19.20	



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-7 @ 7'**
Lab Sample Id: 565630-007

Matrix: Soil
Date Collected: 10.12.17 12.10

Date Received: 10.13.17 12.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.16.17 16.30

Basis: Wet Weight

Seq Number: 3030630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.16.17 22.47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.16.17 22.47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.16.17 22.47	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.16.17 22.47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.16.17 22.47	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.16.17 22.47	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.16.17 22.47	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	96	%	80-120	10.16.17 22.47		
4-Bromofluorobenzene	460-00-4	116	%	80-120	10.16.17 22.47		



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-8 @ 4'**

Matrix: Soil

Date Received: 10.13.17 12.30

Lab Sample Id: 565630-008

Date Collected: 10.12.17 10.15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.16.17 15.20

Basis: Wet Weight

Seq Number: 3030754

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	184	4.96	mg/kg	10.16.17 20.54		1



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id: **SP-8 @ 5'**

Matrix: Soil

Date Received: 10.13.17 12.30

Lab Sample Id: 565630-009

Date Collected: 10.12.17 10.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.16.17 15.20

Basis: Wet Weight

Seq Number: 3030754

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	150	4.96	mg/kg	10.16.17 21.17		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.17.17 11.01

Basis: Wet Weight

Seq Number: 3030727

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.17.17 19.40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	10.17.17 19.40	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.17.17 19.40	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	10.17.17 19.40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	10.17.17 19.40	
o-Terphenyl	84-15-1	92	%	70-135	10.17.17 19.40	



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-8 @ 5'**

Matrix: Soil

Date Received: 10.13.17 12.30

Lab Sample Id: 565630-009

Date Collected: 10.12.17 10.20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.16.17 16.30

Basis: Wet Weight

Seq Number: 3030630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.17.17 01.21	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.17.17 01.21	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.17.17 01.21	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	10.17.17 01.21	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.17.17 01.21	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.17.17 01.21	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.17.17 01.21	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	86	%	80-120	10.17.17 01.21		
4-Bromofluorobenzene	460-00-4	108	%	80-120	10.17.17 01.21		



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id: **SP-9 @ 2'**

Matrix: Soil

Date Received: 10.13.17 12.30

Lab Sample Id: 565630-010

Date Collected: 10.12.17 12.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.16.17 15.20

Basis: Wet Weight

Seq Number: 3030754

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	139	4.94	mg/kg	10.16.17 21.24		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.17.17 11.01

Basis: Wet Weight

Seq Number: 3030727

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.17.17 20.00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	10.17.17 20.00	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.17.17 20.00	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	10.17.17 20.00	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	104	%	70-135	10.17.17 20.00		
o-Terphenyl	84-15-1	102	%	70-135	10.17.17 20.00		



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-9 @ 2'**
Lab Sample Id: 565630-010

Matrix: Soil
Date Collected: 10.12.17 12.30

Date Received: 10.13.17 12.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.16.17 16.30

Basis: Wet Weight

Seq Number: 3030630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.17.17 01.41	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.17.17 01.41	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.17.17 01.41	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	10.17.17 01.41	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.17.17 01.41	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.17.17 01.41	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.17.17 01.41	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	100	%	80-120	10.17.17 01.41		
4-Bromofluorobenzene	460-00-4	120	%	80-120	10.17.17 01.41		



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id: **SP-9 @ 5'**

Matrix: Soil

Date Received: 10.13.17 12.30

Lab Sample Id: 565630-011

Date Collected: 10.12.17 12.37

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.16.17 15.20

Basis: Wet Weight

Seq Number: 3030754

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	17.5	5.00	mg/kg	10.16.17 21.32		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.17.17 11.01

Basis: Wet Weight

Seq Number: 3030727

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.17.17 20.19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	10.17.17 20.19	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.17.17 20.19	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	10.17.17 20.19	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	10.17.17 20.19	
o-Terphenyl	84-15-1	103	%	70-135	10.17.17 20.19	



Certificate of Analytical Results 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Indian Basin Station 210

Sample Id: **SP-9 @ 5'**
Lab Sample Id: 565630-011

Matrix: Soil
Date Collected: 10.12.17 12.37

Date Received: 10.13.17 12.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.16.17 16.30

Basis: Wet Weight

Seq Number: 3030630

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.17.17 02.00	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.17.17 02.00	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.17.17 02.00	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.17.17 02.00	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.17.17 02.00	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.17.17 02.00	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.17.17 02.00	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	107	%	80-120	10.17.17 02.00		
1,4-Difluorobenzene	540-36-3	89	%	80-120	10.17.17 02.00		

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

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 5332 Blackberry Drive, San Antonio TX 78238
 1211 W Florida Ave, Midland, TX 79701
 2525 W. Huntington Dr. - Suite 102, Tempe AZ 85282

Phone	Fax
(281) 240-4200	(281) 240-4280
(214) 902 0300	(214) 351-9139
(210) 509-3334	(210) 509-3335
(432) 563-1800	(432) 563-1713
(602) 437-0330	

Trinity Oilfield Services & Rentals, LLC
Indian Basin Station 210**Analytical Method: Chloride by EPA 300**

Seq Number: 3030646

MB Sample Id: 7632697-1-BLK

Matrix: Solid

LCS Sample Id: 7632697-1-BKS

Prep Method: E300P

Date Prep: 10.16.17

LCSD Sample Id: 7632697-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	244	98	242	97	90-110	1	20	mg/kg	10.16.17 15:24	

Analytical Method: Chloride by EPA 300

Seq Number: 3030754

MB Sample Id: 7632699-1-BLK

Matrix: Solid

LCS Sample Id: 7632699-1-BKS

Prep Method: E300P

Date Prep: 10.16.17

LCSD Sample Id: 7632699-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	242	97	239	96	90-110	1	20	mg/kg	10.16.17 20:38	

Analytical Method: Chloride by EPA 300

Seq Number: 3030646

Parent Sample Id: 565529-001

Matrix: Soil

MS Sample Id: 565529-001 S

Prep Method: E300P

Date Prep: 10.16.17

MSD Sample Id: 565529-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	335	248	576	97	584	100	90-110	1	20	mg/kg	10.18.17 00:24	

Analytical Method: Chloride by EPA 300

Seq Number: 3030646

Parent Sample Id: 565546-007

Matrix: Soil

MS Sample Id: 565546-007 S

Prep Method: E300P

Date Prep: 10.16.17

MSD Sample Id: 565546-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	801	246	996	79	997	80	90-110	0	20	mg/kg	10.18.17 00:01	X

Analytical Method: Chloride by EPA 300

Seq Number: 3030754

Parent Sample Id: 565630-008

Matrix: Soil

MS Sample Id: 565630-008 S

Prep Method: E300P

Date Prep: 10.16.17

MSD Sample Id: 565630-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	184	248	422	96	428	98	90-110	1	20	mg/kg	10.16.17 21:01	



QC Summary 565630

Trinity Oilfield Services & Rentals, LLC Indian Basin Station 210

Analytical Method: TPH By SW8015 Mod

Seq Number: 3030727

MB Sample Id: 7632786-1-BLK

Matrix: Solid

LCS Sample Id: 7632786-1-BKS

Prep Method: TX1005P

Date Prep: 10.17.17

LCSD Sample Id: 7632786-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	882	88	933	93	70-135	6	35	mg/kg	10.17.17 16:36	
Diesel Range Organics (DRO)	<15.0	1000	1050	105	1010	101	70-135	4	35	mg/kg	10.17.17 16:36	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	93		98		101		70-135	%	10.17.17 16:36			
o-Terphenyl	92		93		95		70-135	%	10.17.17 16:36			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3030727

Parent Sample Id: 565630-001

Matrix: Soil

MS Sample Id: 565630-001 S

Prep Method: TX1005P

Date Prep: 10.17.17

MSD Sample Id: 565630-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	999	1070	107	1090	109	70-135	2	35	mg/kg	10.17.17 17:39	
Diesel Range Organics (DRO)	<15.0	999	1140	114	1140	114	70-135	0	35	mg/kg	10.17.17 17:39	
Surrogate			MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane			106		106		70-135	%	10.17.17 17:39			
o-Terphenyl			99		102		70-135	%	10.17.17 17:39			

Analytical Method: BTEX by EPA 8021B

Seq Number: 3030625

MB Sample Id: 7632745-1-BLK

Matrix: Solid

LCS Sample Id: 7632745-1-BKS

Prep Method: SW5030B

Date Prep: 10.15.17

LCSD Sample Id: 7632745-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.0927	93	0.0900	89	70-130	3	35	mg/kg	10.16.17 08:56	
Toluene	<0.00201	0.100	0.0973	97	0.0930	92	70-130	5	35	mg/kg	10.16.17 08:56	
Ethylbenzene	<0.00201	0.100	0.0949	95	0.102	101	71-129	7	35	mg/kg	10.16.17 08:56	
m,p-Xylenes	<0.00402	0.201	0.194	97	0.197	98	70-135	2	35	mg/kg	10.16.17 08:56	
o-Xylene	<0.00201	0.100	0.0951	95	0.0919	91	71-133	3	35	mg/kg	10.16.17 08:56	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1,4-Difluorobenzene	100		98		102		80-120	%	10.16.17 08:56			
4-Bromofluorobenzene	97		105		101		80-120	%	10.16.17 08:56			

Trinity Oilfield Services & Rentals, LLC
Indian Basin Station 210

Analytical Method: BTEX by EPA 8021B

Seq Number: 3030630

MB Sample Id: 7632753-1-BLK

Matrix: Solid

LCS Sample Id: 7632753-1-BKS

Prep Method: SW5030B

Date Prep: 10.16.17

LCSD Sample Id: 7632753-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.126	125	0.117	117	70-130	7	35	mg/kg	10.16.17 19:10	
Toluene	<0.00202	0.101	0.122	121	0.124	124	70-130	2	35	mg/kg	10.16.17 19:10	
Ethylbenzene	<0.00202	0.101	0.115	114	0.115	115	71-129	0	35	mg/kg	10.16.17 19:10	
m,p-Xylenes	<0.00403	0.202	0.228	113	0.230	115	70-135	1	35	mg/kg	10.16.17 19:10	
o-Xylene	<0.00202	0.101	0.108	107	0.108	108	71-133	0	35	mg/kg	10.16.17 19:10	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		107		106		80-120	%	10.16.17 19:10
4-Bromofluorobenzene	119		109		103		80-120	%	10.16.17 19:10

Analytical Method: BTEX by EPA 8021B

Seq Number: 3030625

Parent Sample Id: 565438-001

Matrix: Soil

MS Sample Id: 565438-001 S

Prep Method: SW5030B

Date Prep: 10.15.17

MSD Sample Id: 565438-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0682	68	0.0499	50	70-130	31	35	mg/kg	10.16.17 10:16	X
Toluene	<0.00200	0.0998	0.0628	63	0.0452	45	70-130	33	35	mg/kg	10.16.17 10:16	X
Ethylbenzene	<0.00200	0.0998	0.0507	51	0.0441	44	71-129	14	35	mg/kg	10.16.17 10:16	X
m,p-Xylenes	<0.00399	0.200	0.102	51	0.0802	40	70-135	24	35	mg/kg	10.16.17 10:16	X
o-Xylene	<0.00200	0.0998	0.0512	51	0.0441	44	71-133	15	35	mg/kg	10.16.17 10:16	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		97		80-120	%	10.16.17 10:16
4-Bromofluorobenzene	102		95		80-120	%	10.16.17 10:16

Analytical Method: BTEX by EPA 8021B

Seq Number: 3030630

Parent Sample Id: 565655-001

Matrix: Soil

MS Sample Id: 565655-001 S

Prep Method: SW5030B

Date Prep: 10.16.17

MSD Sample Id: 565655-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0965	97	0.109	109	70-130	12	35	mg/kg	10.16.17 19:48	
Toluene	<0.00200	0.0998	0.0596	60	0.0505	51	70-130	17	35	mg/kg	10.16.17 19:48	X
Ethylbenzene	<0.00200	0.0998	0.0341	34	0.0303	30	71-129	12	35	mg/kg	10.16.17 19:48	X
m,p-Xylenes	<0.00399	0.200	0.0631	32	0.0549	27	70-135	14	35	mg/kg	10.16.17 19:48	X
o-Xylene	<0.00200	0.0998	0.0296	30	0.0255	26	71-133	15	35	mg/kg	10.16.17 19:48	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	113		118		80-120	%	10.16.17 19:48
4-Bromofluorobenzene	117		102		80-120	%	10.16.17 19:48



CHAIN OF CUSTODY RECORD

Houston: 4143 Greenbrier Dr. Stafford, TX 77477 (281)240-4200 Odessa: 12600 West I-20 East Odessa, TX 79765 (432)563-1800

Page 1 of 2

LAB W.O.#:

565630

Field billable Hrs:

* Container Type Codes

VA Vial Amber	ES Encore Sampler
VC Vial Clear	TS TerraCore Sampler
VP Vial Pre-preserved	AC Air Canister
GA Glass Amber	TB Tedlar Bag
GC Glass Clear	ZB Zip Lock Bag
PA Plastic Amber	PC Plastic Clear

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz, 1Gal, 40ml, 125 ml, 250 ml, 500 ml, 1L, Other

** Preservative Type Codes

A. None	E. HCL	I. Ice
B. HNO ₃	F. MeOH	J. MCAA
C. H ₂ SO ₄	G. Na ₂ S ₂ O ₃	K. ZnAc&NaOH
D. NaOH	H. NaHSO ₄	L. Asbc Acid&NaOH

^ Matrix Type Codes

GW Ground Water	S. Soil/Sediment/Solid
WW Waste Water	W. Wipe
DW Drinking Water	A. Air
SW Surface Water	O. Oil
OW Ocean/Sea Water	T. Tissue
PL Product-Liquid	U. Urine
PS Product-Solid	B. Blood
SL Sludge	

REMARKS

Company: Trinity Oilfield Services & Rentals, LLC Phone: (575)390-7208

Address: P.O. Box 2587 Fax:

City: Hobbs State: NM Zip: 88241

PM/Attn: Ben J. Arguijo Email: wade.dittrich@oxy.com & ben@trinityoilfieldservices.com

Project ID: Indian Basin Station 210 PO#:

Invoice To: Oxy - Wade Dittrich (575)390-2828 Quote #:

Sampler Name: Ben J. Arguijo Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code	Field Filtered	Integrity DIC (Y/N)	Total # of containers
1	SP-4 @ 2'	10/12/17	1125	S			1
2	SP-4 @ 4'	10/12/17	1135	S			1
3	SP-5 @ 3'	10/12/17	1035	S			1
4	SP-5 @ 5'	10/12/17	1045	S			1
5	SP-5 @ 6'	10/12/17	1105	S			1
6	SP-7 @ 6'	10/12/17	1205	S			1
7	SP-7 @ 7'	10/12/17	1210	S			1
8	SP-8 @ 4'	10/12/17	1015	S			1
9	SP-8 @ 5'	10/12/17	1020	S			1
0	SP-9 @ 2'	10/12/17	1230	S			1

TAT Work Days = D Need results by: Time:

Std (5-7D) 5Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other

ANALYSES REQUESTED

Dent Type VC	GC	GC	GC												
Prep Type**	I	I	I												

Example Volatiles by 9260	Chloride	TPH 8015M	BTEX												
# Cont															

Lab Only:

Hold Sample (CALL or Highest Typ) Only if															

Temp: 1.2 IR ID: R-8
CF: (0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 1.0

Reg. Program / Clean-up Std						STATE for Certs & Regs						QA/QC Level & Certification						EDDs		COC & Labels		Coolers: Temp °C		Lab Use Only		YES	NO	N/A																													
CTLs	TRRP	DW	NPDES	LPST	DryCin	FL	TX	GA	NC	SC	NJ	PA	OK	1	2	3	4	CLP	AFCEE	QAPP	ADaPT	SEDD	ERPIMS	Match	Incomplete	Absent	Unclear	1	132	3	Non-Conformances found?		___	___																							
Other:						LA						AL						NM						Other:						NELAC						DoD-ELAP						Other:						XLS		Other:				Samples intact upon arrival?		___	___
Relinquished by						Affiliation						Date						Time						Received by		Affiliation		Date		Time		Received on Wet Ice?				Labelled with proper preservatives?		___	___																		
1						Trinity						10/13/17						1230						Koussing		MS		10/13/17		12:30		Received within holding time?		___	___																						
2																								J. Warner				10/14/17		1300		Custody seals intact?		___	___																						
3																																VOCs rec'd w/o headspace?		___	___																						
4																																Proper containers used?		___	___																						
																																pH verified-acceptable, excl VOCs?		___	___																						
																																Received on time to meet HTs?		___	___																						

B&A Laboratories: Hobbs 575-392-7550 Dallas 214-902-0300 Houston 281-242-4200 Odessa 432-563-1800 San Antonio 210-509-3334 Phoenix 602-437-0330
FTS Service Centers: Atlanta 770-449-8800 Lakeland 863-646-8526 Tampa 803-543-8099 Philadelphia 610-955-5649 South Carolina 803-543-8099

C.O.C. Serial #

Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previously agreed in writing. Terms of payment are Net 30 days, and all past due amounts shall accrue interest at 1.5% per month until paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full. Revision Date: Nov 12, 2009

Final 1.000

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CHAIN OF CUSTODY RECORD

Houston: 4143 Greenbriar Dr. Stafford, TX 77477 (281)240-4200 Odessa: 12600 West I-20 East Odessa, TX 79765 (432)563-1800
70001-c

Page 2 of 2

LAB W.O.#:

565630

Field billable Hrs:

* Container Type Codes

VA Vial Amber ES Encase Sampler
VC Vial Clear TS TerraCore Sampler
VP Vial Pre-preserved AC Air Canister
GA Glass Amber TB Tedlar Bag
GC Glass Clear ZB Zip Lock Bag
PA Plastic Amber PC Plastic Clear
Other _____

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz, 1Gal
40ml, 125 ml, 250 ml, 500 ml, 1L, Other

** Preservative Type Codes

A. None E. HCL I. Ice
B. HNO₃ F. MeOH J. MCAA
C. H₂SO₄ G. Na₂S₂O₃ K. ZnAc&NaOH
D. NaOH H. NaHSO₄ L. Asbc Acid&NaOH
O. _____

^ Matrix Type Codes

GW Ground Water S Soil/Sediment/Solid
WW Waste Water W Wipe
DW Drinking Water A Air
SW Surface Water O Oil
OW Ocean/Sea Water T Tissue
PL Product-Liquid U Urine
PS Product-Solid B Blood
SL Sludge

REMARKS

Company: Trinity Oilfield Services & Rentals, LLC Phone: (575)390-7208

Address: P.O. Box 2587 Fax:

City: Hobbs State: NM Zip: 88241

PM/Attn: Ben J. Arguijo Email: wade.dittrich@oxy.com & ben@trinityoilfieldservices.com

Project ID: Indian Basin Station 210 PO#:

Invoice To: Oxy - Wade Dittrich (575)390-2828 Quote #:

Sampler Name: Ben J. Arguijo Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code *	Field Filtered	Integrity OK (Y/N)	Total # of containers
1	SP-9 @ 5'	10/12/17	1237	S			1
2							
3							
4							
5							
6							
7							
8							
9							
0							

TAT Work Days = D Need results by: Time:

Std (5-7D) 5Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other

ANALYSES REQUESTED

Cool Type * VC GC GC GC

Pres Type ** I I I

Example Volatiles by 8260 Chloride TPH 8015M BTEX

Cool: Lab Only:

Hold Sample (CALL) Run Rate on Highest TPH Only if

Reg. Program / Clean-up Std	STATE for Certs & Regs	QA/QC Level & Certification	EDDs	COC & Labels	YES NO N/A
CTLs TRRP DW NPDES LPST DryCin Other:	FL TX GA NC SC NJ PA OK LA AL NM Other:	1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:	ADaPT SEDD ERPIMS XLS Other:	Match Incomplete Absent Unclear	113 2 3
Relinquished by	Affiliation	Date	Time	Received by	Affiliation
1	Trinity	10/13/17	12:30	Keupling	MS
2				W. Kramiec	
3					
4					

Temp: 10.2 IR ID: R-8
CF: (0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 10.0

B&A Laboratories: Hobbs 575-392-7550 Dallas 214-902-0300 Houston 281-242-4200 Odessa 432-563-1800 San Antonio 210-509-3334 Phoenix 602-437-0330
FTS Service Centers: Atlanta 770-449-8800 Lakeland 863-646-8526 Tampa 803-543-8099 Philadelphia 610-955-5649 South Carolina 803-543-8099

C.O.C. Serial #

Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previously agreed in writing. Terms of payment are Net 30 days, and all past due amounts shall accrue interest at 1.5% per month until paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full. Revision Date: Nov 12, 2009

Final 1.000

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XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 10/13/2017 12:30:00 PM

Work Order #: 565630

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	1.3
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

*** Must be completed for after-hours delivery of samples prior to placing in the refrigerator**

Analyst:

PH Device/Lot#:

Checklist completed by:

Jessica Kramer

Jessica Kramer

Date: 10/16/2017

Checklist reviewed by:

Holly Taylor

Holly Taylor

Date: 10/16/2017