

Trinity Oilfield Services & Rentals, LLC

Remediation Summary & Site Closure Request



Company: OXY USA, Inc. **Address:** P.O. Box 4294, Houston, TX 77210 **Telephone #:** (575) 390-2828
Site Name: Fred Turner Jr. B 0004 **NMOCD Reference#:** 1RP-4846
Surface Owner: McCasland Ltd. Partnership **Mineral Owner:** Fee
Unit Letter: "F" (SE/NW) **Section:** 17 **Township:** 20S **Range:** 38E **County:** Lea **GPS Coordinates:** 32.574963 N -103.172844 W
Depth to Ground Water: 65' - 70' **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: 10 **Soil Remediation Levels (mg/kg):** Benzene: 10 BTEX: 50 TPH: ☐ 100 Chloride: ☐ 250
☒ 1,000 ☒ 600
☐ 5,000
Date/Time of Release: 9/29/2017 **Type of Release:** Crude Oil & Produced Water **Approximate Volume of Release:** See Below

Background Information:

On September 29, 2017, OXY USA, Inc. (OXY), discovered a release at the Fred Turner Jr. B 0004 well site. Failure of a section of a 2-inch steel production line resulted in the release of approximately 22 barrels (bbls) of crude oil and 30 bbls of produced water. During initial response activities, the production line was repaired, and a vacuum truck was utilized to recover approximately 50 bbls of free-standing liquid. The release affected an area of the caliche well pad and access road measuring approximately 13,000 sq. ft. The release also affected an area of the adjacent pastureland measuring approximately 8,200 sq. ft.

The release was immediately reported to the New Mexico Oil Conservation Division's (NMOCD) Hobbs District Office and the New Mexico State Land Office (NMSLO). The NMOCD "Release Notification & Corrective Action" form (C-141) is provided as Appendix A. General photographs of the release site are provided in Appendix C. A "Site Location Map" is provided as Figure 1.

During the course of remediation activities, it was determined that the release commingled with a historical release of unknown date, volume, and cause. The releases were remediated concurrently.

Summary of Field Activities:

On October 2, 2017, Trinity Oilfield Services & Rentals, LLC (Trinity), commenced delineation of the release site. A hand-auger was utilized to collect a series of soil samples from nine (9) locations (SP-1 through SP-9) in the visibly stained area to investigate the extent of impacted soil. The auger holes were advanced to the extent practicable (i.e., until a hard rock layer was encountered) to total depths ranging from approximately 6 inches (SP-7) to 4 feet (SP-1 through SP-6 and SP-9) below ground surface (bgs). Soil samples were collected at 6-inch to 2-foot vertical increments and field-screened with a chloride test kit. Confirmation samples were submitted to Xenco Laboratories in Midland, Texas, for analysis of chloride, total petroleum hydrocarbons (TPH), and/or benzene, toluene, ethylbenzene, and total xylenes (BTEX) concentrations using Environmental Protection Agency (EPA) Methods 300, SW 846-8015 Mod, and SW 846-8021B, respectively. Laboratory analytical results and field-screens indicated vertical delineation of the release had been achieved.

On October 30, 2018, pursuant to the NMOCD-approved "Environmental Site Summary & Spill Remediation Plan", dated March 23, 2018 (henceforth referred to as "Work Plan"), excavation activities commenced at the release site. A chloride test kit and olfactory/visual senses were utilized to determine the horizontal extent of impacted soil and to guide the excavation. From October 30 through November 8, 2018, impacted soil was excavated from the areas represented by auger holes SP-2, SP-4, and SP-6 and stockpiled on-site, pending transfer to Lea Land, Inc. (NMOCD Permit #WM-01-035), for disposal.

Pursuant to correspondence from an NMOCD representative dated May 7, 2018, no excavation was necessary in the areas represented by auger holes SP-1, SP-3, SP-5, SP-7, SP-8, and SP-9. However, additional representative surface samples were required to demonstrate that horizontal delineation of the release had been achieved.

Trinity Oilfield Services & Rentals, LLC

Remediation Summary & Site Closure Request



Summary of Field Activities (cont.):

On October 30, 2018, surface samples were collected from the areas represented by auger holes SP-7, SP-8, SP-9 and along the inferred margins of the release (SP-10, SP-11, SP-12, and SP-15). The soil samples were field-screened with a chloride test kit and olfactory/visual senses. An unrelated historical release (date, volume, and cause unknown) was identified based on the olfactory/visual inspection of soil sample SP-15 @ Surface, and an additional sample was collected from 1 foot bgs in this area. A soil sample (SP-6 Floor #1) was also collected from the floor of the excavation in the area represented by auger hole SP-6.

The soil samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results and field-screens indicated delineation of the release had been achieved in the areas represented by soil samples SP-6 Floor #1 and SP-7 through SP-12. However, additional delineation was required to determine the extent of historical TPH contamination in the area represented by soil samples SP-15 @ Surface and SP-15 @ 1'.

On November 1, 2018, five (5) soil samples (SP-6 N. Wall, SP-6 E. Wall, SP-6 S. Wall, SP-6 W. Wall, and SP-6 Floor #2) were collected from the sidewalls and floor of the excavation in the area represented by auger hole SP-6. Surface samples were collected on the caliche pad (SP-13) and along the inferred margins of the release (SP-14, SP-16, and SP-17). A soil sample (PA @ 6") was also collected from a secondary pooling area of the release located on the caliche pad. The soil samples were field-screened with a chloride test kit and submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated horizontal and vertical delineation of the areas had been achieved, and no additional excavation was required.

On November 2, 2018, five (5) soil samples (SP-4 N. Wall, SP-4 E. Wall, SP-4 S. Wall, SP-4 W. Wall, and SP-4 Floor) were collected from the sidewalls and floor of the excavation in the area represented by auger hole SP-4. The soil samples were field-screened with a chloride test kit and submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated horizontal and vertical delineation of the area had been achieved, and no additional excavation was required.

On November 5, 2018, five (5) soil samples (SP-2 N. Wall, SP-2 E. Wall, SP-2 S. Wall, SP-2 W. Wall, and SP-2 Floor) were collected from the sidewalls and floor of the excavation in the area represented by auger hole SP-2. The soil samples were field-screened with a chloride test kit and submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated horizontal and vertical delineation of the area had been achieved, and no additional excavation was required.

On November 14, 2018, eight (8) soil samples (SP-15 NE Wall, SP-15 NW Wall, SP-15 E. Wall, SP-15 SE Wall, SP-15 SW Wall, SP-15 W. Wall, SP-15 E. Floor, and SP-15 W. Floor) were collected from the sidewalls and floor of the excavation in the area represented by auger hole SP-15 (i.e., the historical release). The soil samples were field-screened with a TPH test kit and olfactory/visual senses and submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated horizontal delineation of the area had been achieved. However, additional delineation and excavation was required in the areas represented by soil samples SP-15 E. Floor and SP-15 W. Floor.

On November 15, 2018, a delineation trench was advanced in the area represented by soil sample SP-15 @ 1'. The trench was advanced in 6-inch to 1-foot increments to a total depth of 7 feet bgs. Soil samples collected from the trench were field-screened with a TPH test kit and olfactory/visual senses. Representative samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated vertical delineation of the historical release had been achieved.

On December 13 and 21, 2018, and January 3, 2019, the excavation of the historical release was advanced to a total depth of 5 feet bgs. Excavated soil was transported to Lea Land for disposal.

On January 8, 2019, two (2) soil samples (SP-15 E. Floor @ 5' and SP-15 W. Floor @ 5') were collected from the floor of the excavation. The soil samples were field-screened with a TPH test kit and olfactory/visual senses and submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated vertical delineation of the area represented by soil sample SP-15 E. Floor @ 5' had been achieved. However, additional delineation was required in the area represented by soil sample SP-15 W. Floor @ 5'.

Trinity Oilfield Services & Rentals, LLC

Remediation Summary & Site Closure Request



Summary of Field Activities (cont.):

On January 25, 2019, a delineation trench (SP-15 W. Floor Trench) was advanced in the floor of the excavation to further investigate the extent of impacted soil. The trench was advanced in 6-inch to 1-foot increments to a total depth of 9 feet bgs. Soil samples collected from the trench were field-screened with a TPH test kit and olfactory/visual senses. Representative samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated vertical delineation of the historical release had been achieved.

The excavation of the historical release was advanced to a total depth of 5.5 feet bgs in the area represented by delineation trench SP-15 W. Floor Trench. Excavated soil was transported to Lea Land for disposal.

On February 4, 2019, the excavation was treated with a Micro-Blaze solution, tilled, aerated, and left undisturbed for several days to facilitate bioremediation of the historical release.

On February 21, 2019, a soil sample (SP-15 W. Floor @ 5.5') was collected from the floor of the excavation and field-screened utilizing olfactory/visual senses. The soil sample was submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated the TPH concentration remaining in-situ was 333 mg/kg, a decrease of 2,777 mg/kg from the 3,110 mg/kg concentration observed in soil sample SP-15 W. Floor Trench @ 5.5' collected on January 25, 2019. The chloride and BTEX concentrations in the sample were also below the Recommended Remediation Action Levels (RRALs) approved for the site by the NMOCD.

Based on these laboratory analytical results, on March 1, 2019, a representative of Trinity notified a representative of the NMOCD's Environmental Bureau that backfilling of the excavation would commence the week of March 4 through 8, 2019, pending any objections from the NMOCD. No objections were raised by the NMOCD representative.

From March 7 through 12, 2019, the excavation was backfilled with locally acquired, non-impacted material, compacted, and contoured to fit the surrounding topography.

Locations of the auger holes, delineation trenches, and soil samples are depicted in Figures 2 through 4. Laboratory analytical results are summarized in Table 1, and analytical reports are provided in Appendix D. Chloride and TPH field test results are summarized in Table 2.

The disturbed area in the pasture will be seeded with a landowner-approved seed mix at a time conducive to germination.

Site Closure Request:

Remediation activities conducted at the Fred Turner Jr. B 0004 release site met the objectives set forth in the NMOCD-approved Work Plan, as well as the stipulations listed in the May 7, 2018, correspondence from the NMOCD (summarized above). Soil samples collected from the sidewalls and floors of the excavations were analyzed by an NMOCD-certified laboratory, and concentrations of chloride, TPH, and BTEX were below the RRALs approved for the site by the NMOCD.

Trinity recommends OXY provide the NMOCD Hobbs District Office a copy of this "Remediation Summary & Site Closure Request" and request the NMOCD grant closure to the Fred Turner Jr. B 0004 release site.

Enclosures:

Figure 1: Site Location Map

Figure 2: Sample Location Map - Aerial Overview

Figure 3: Sample Location Map - SP-2, SP-4 & SP-6 Excavations

Figure 4: Sample Location Map - SP-15 Excavation

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

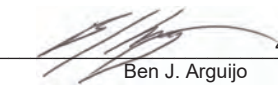
Table 2: Field Test Results

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

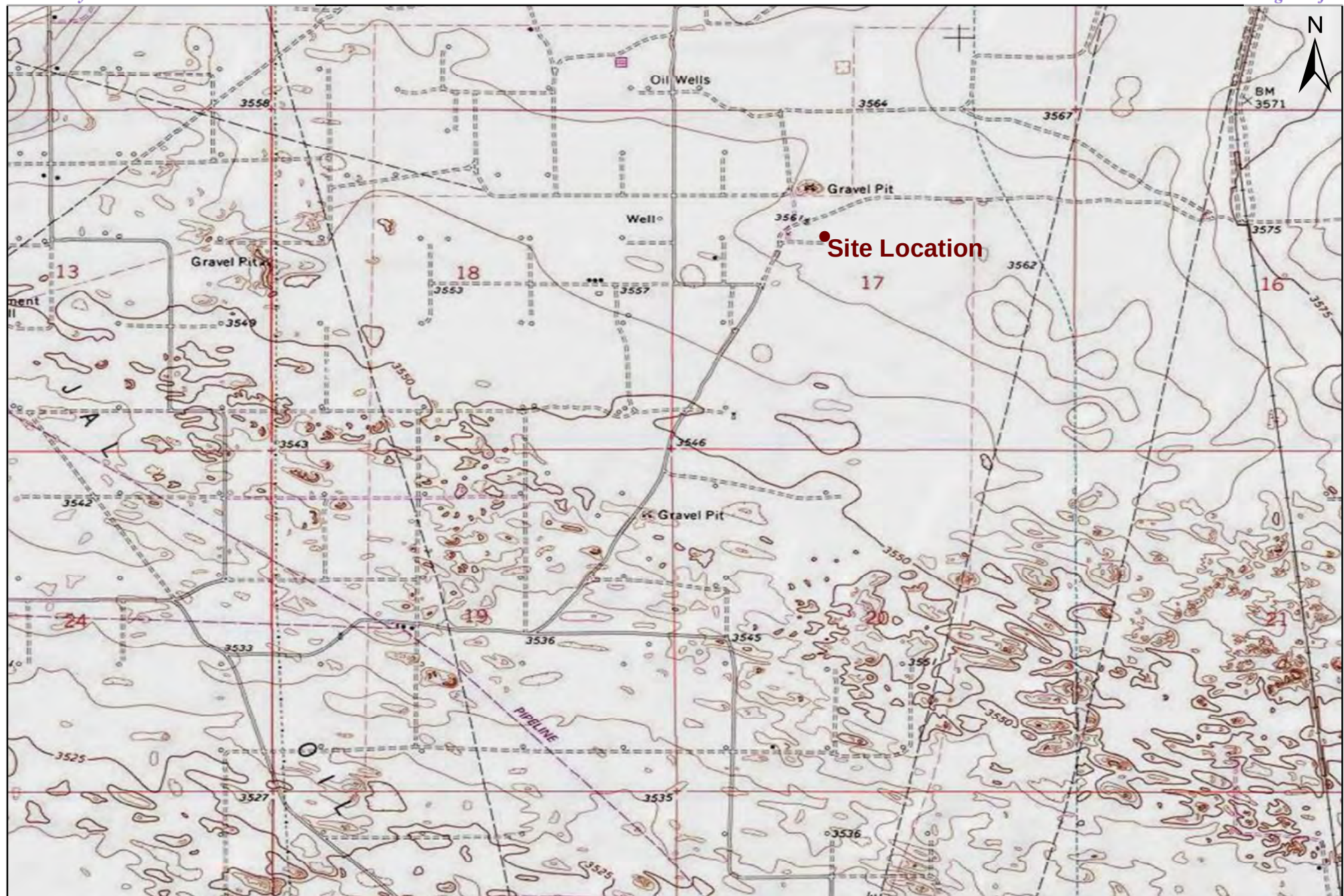
Appendix B: Depth-to-Groundwater Data

Appendix C: Photographs

Appendix D: Laboratory Analytical Results

 4/12/2019
Ben J. Arguijo
Project Manager

Figures



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

Figure 1
Site Location Map
OXY USA, Inc.
Fred Turner Jr. B 0004
Lea County, New Mexico
NMOCD Reference #: 1RP-4846



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

Drawn By: BJA	Checked By: CTR
March 22, 2018	Scale: 1" = 2,000'

**Legend**

- Auger Hole
- Delineation Sample

Figure 2
Sample Location Map - Aerial Overview
 OXY USA, Inc.
 Fred Turner Jr. B 0004
 Lea County, New Mexico
 NMOCD Reference #: 1RP-4846



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

Drawn By: BJA	Checked By: JEH
April 12, 2019	Scale: 1" = 40'



Legend	
○ Auger Hole	— Delineation Trench
● Delineation Sample	
● Excavated Sample	
● Floor Sample	
● Wall Sample	

Figure 3
Sample Location Map - SP-2, SP-4 & SP-6 Excavations
 OXY USA, Inc.
 Fred Turner Jr. B 0004
 Lea County, New Mexico
 NMOCD Reference #: 1RP-4846



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

Drawn By: BJA	Checked By: JEH
April 12, 2019	Scale: 1" = 12'

**Legend**

- Auger Hole
- Delineation Sample
- Excavated Sample
- Floor Sample
- Wall Sample
- Delineation Trench

Figure 4
Sample Location Map - SP-15 Excavation
 OXY USA, Inc.
 Fred Turner Jr. B 0004
 Lea County, New Mexico
 NMOCD Reference #: 1RP-4846



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

Drawn By: BJA	Checked By: JEH
April 12, 2019	Scale: 1" = 10'

Tables

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

OXY USA, INC.
FRED TURNER JR. B 0004
LEA COUNTY, NEW MEXICO
NMOCD REF. #: 1RP-4846



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M				EPA 300
				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	1,000	600
Delineation Samples															
SP-1 @ 6"	6"	10/2/2017	In-Situ	<0.0020	<0.0020	<0.0020	0.0052	0.0050	0.0102	0.0102	<15.0	23.4	<15.0	23.4	25.9
SP-1 @ 2'	2'	10/2/2017	In-Situ	-	-	-	-	-	-	-	-	-	-	-	39.6
SP-1 @ 4'	4'	10/2/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	11.5
SP-2 @ 6"	6"	10/2/2017	Excavated	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	69.1	<15.0	69.1	712
SP-2 @ 2'	2'	10/2/2017	In-Situ	-	-	-	-	-	-	-	-	-	-	-	87.8
SP-2 @ 4'	4'	10/2/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	17.3	<15.0	17.3	40.6
SP-3 @ 6"	6"	10/2/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	39.8	<15.0	39.8	44.4
SP-3 @ 2"	2'	10/2/2017	In-Situ	-	-	-	-	-	-	-	-	-	-	-	5.56
SP-3 @ 4"	4'	10/2/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	<4.96
SP-4 @ 6"	6"	10/2/2017	Excavated	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	35.9	1,240	221	1,500	743
SP-4 @ 2'	2'	10/2/2017	Excavated	-	-	-	-	-	-	-	-	-	-	-	1,130
SP-4 @ 4'	4'	10/2/2017	In-Situ	<0.0034	<0.0034	<0.0034	<0.0067	<0.0034	<0.0034	<0.0034	<14.9	35.9	<14.9	35.9	18.5
SP-5 @ 6"	6"	10/2/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	72.0	<15.0	72.0	42.5
SP-5 @ 2'	2'	10/2/2017	In-Situ	-	-	-	-	-	-	-	-	-	-	-	56.5
SP-5 @ 4'	4'	10/2/2017	In-Situ	<0.0033	<0.0033	<0.0033	<0.0066	<0.0033	<0.0033	<0.0033	<15.0	96.3	18.3	115	72.4
SP-5	Surface	10/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	15.9	<15.0	15.9	143
SP-6 @ 6"	6"	10/2/2017	Excavated	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	72.7	<15.0	72.7	1,600
SP-6 @ 2'	2'	10/2/2017	Excavated	-	-	-	-	-	-	-	-	-	-	-	41.1
SP-6 @ 4'	4'	10/2/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	43.0
SP-7 @ 6"	6"	10/2/2017	In-Situ	<0.0034	<0.0034	<0.0034	<0.0068	<0.0034	<0.0034	<0.0034	<15.0	<15.0	<15.0	<15.0	30.8
SP-7	Surface	10/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	<4.96
SP-8 @ 6"	6"	10/2/2017	In-Situ	<0.0033	<0.0033	<0.0033	<0.0066	<0.0033	<0.0033	<0.0033	<15.0	218	42.5	261	17.8
SP-8 @ 2'	2'	10/2/2017	In-Situ	<0.0033	<0.0033	<0.0033	<0.0066	<0.0033	<0.0033	<0.0033	<15.0	108	18.7	127	<4.90
SP-8	Surface	10/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	15.0	<15.0	15.0	<4.97
SP-9 @ 6"	6"	10/2/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<4.91
SP-9 @ 2'	2'	10/2/2017	In-Situ	-	-	-	-	-	-	-	-	-	-	-	21.8
SP-9 @ 4'	4'	10/2/2017	In-Situ	<0.0034	<0.0034	<0.0034	<0.0068	<0.0034	<0.0034	<0.0034	<15.0	<15.0	<15.0	<15.0	43.2
SP-9	Surface	10/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	59.2	<15.0	59.2	<5.00
SP-10	Surface	10/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	139	25.2	164	<4.99
SP-11	Surface	10/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	16.8	<15.0	16.8	<4.98
SP-12	Surface	10/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	15.4	<15.0	15.4	5.84

NE = Not established

- = Not analyzed

Concentrations in **BOLD** exceed NMOCD RRALs

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

OXY USA, INC.
FRED TURNER JR. B 0004
LEA COUNTY, NEW MEXICO
NMOCD REF. #: 1RP-4846



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M				EPA 300
				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	1,000	600
Delineation Samples (cont.)															
SP-13	Surface	11/1/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	75.6	19.3	94.9	109
SP-14	Surface	11/1/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	50.2	22.4	72.6	<4.95
SP-15 @ Surface	Surface	10/30/2018	Excavated	<0.0020	0.0306	0.0178	0.0863	0.0471	0.1330	0.1820	103	9,350	1,520	11,000	71.1
SP-15 @ 1'	1'	10/30/2018	Excavated	<0.0020	0.0037	0.0127	0.0611	0.0140	0.0751	0.0915	234	3,780	416	4,430	82.0
SP-15 @ 4'	4'	11/15/2018	Excavated	<0.0201	0.8380	1.65	4.42	2.92	7.34	9.83	730	2,950	125	3,810	271
SP-15 @ 5'	5'	11/15/2018	In-Situ	<0.0020	0.0134	0.0429	0.1620	0.0993	0.2610	0.3180	95.5	764	27.9	887	86.3
SP-15 @ 7'	7'	11/15/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	60.1	<15.0	60.1	<4.95
SP-15 W. Floor Trench @ 5.5'	5.5'	1/25/2019	Bioremediated	<0.0020	0.0142	0.0080	0.0162	0.0534	0.0696	0.0918	274	2,490	349	3,110	-
SP-15 W. Floor Trench @ 7'	7'	1/25/2019	In-Situ	-	-	-	-	-	-	-	<15.0	<15.0	<15.0	<15.0	-
SP-15 W. Floor Trench @ 9'	9'	1/25/2019	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<4.99
SP-16	Surface	11/1/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<4.98
SP-17	Surface	11/1/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<5.00
PA @ 6"	6"	11/1/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	15.9	<15.0	15.9	<4.98
Excavation Samples															
SP-2 N. Wall	1'	11/5/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	42.3	19.4	61.7	<4.98
SP-2 E. Wall	1'	11/5/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	26.4
SP-2 S. Wall	1'	11/5/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	49.7	<15.0	49.7	<4.97
SP-2 W. Wall	1'	11/5/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	140
SP-2 Floor	2'	11/5/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	15.5	<15.0	15.5	131
SP-4 N. Wall	2'	11/2/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	263
SP-4 E. Wall	2'	11/2/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<4.97
SP-4 S. Wall	2'	11/2/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	<4.97
SP-4 W. Wall	2'	11/2/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	75.9
SP-4 Floor	2.5'	11/2/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<4.95
SP-6 N. Wall	2.5'	11/1/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	406
SP-6 E. Wall	1'	11/1/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<4.98
SP-6 S. Wall	1'	11/1/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<5.00
SP-6 W. Wall	1'	11/1/2018	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-6 Floor #1	1'	10/30/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<4.97
SP-6 Floor #2	3'	11/1/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	276
SP-15 NE Wall	2.5'	11/14/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<5.00
SP-15 NW Wall	2.5'	11/14/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	25.2
SP-15 E. Wall	2.5'	11/14/2018	In-Situ	<0.0020	<0.0020	<0.0020	0.0051	<0.0020	0.0051	0.0051	<15.0	<15.0	<15.0	<15.0	<5.00
SP-15 SE Wall	2.5'	11/14/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	0.0025	0.0025	0.0025	<15.0	<15.0	<15.0	<15.0	<4.98

NE = Not established

- = Not analyzed

Concentrations in **BOLD** exceed NMOCD RRALs

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

OXY USA, INC.
FRED TURNER JR. B 0004
LEA COUNTY, NEW MEXICO
NMOCD REF. #: 1RP-4846



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M				EPA 300
				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	1,000	600
Excavation Samples (cont.)															
SP-15 SW Wall	2.5'	11/14/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<5.00
SP-15 W. Wall	2.5'	11/14/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	43.0	<15.0	43.0	65.9
SP-15 E. Floor	4'	11/14/2018	Excavated	0.0590	4.06	1.79	13.3	8.17	21.5	27.4	1,350	5,220	234	6,800	33.6
SP-15 E. Floor @ 5'	5'	1/8/2019	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	180	<15.0	180	21.8
SP-15 W. Floor	4'	11/14/2018	Excavated	<0.0199	0.2180	0.2330	1.42	0.8150	2.24	2.69	490	2,970	144	3,600	<4.97
SP-15 W. Floor @ 5'	5'	1/8/2019	Excavated	<0.0020	0.0028	0.0115	0.0272	0.0166	0.0438	0.0581	77.1	1,780	147	2,000	87.9
SP-15 W. Floor @ 5.5'	5.5'	2/21/2019	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	288	44.6	333	50.5

NE = Not established

- = Not analyzed

Concentrations in **BOLD** exceed NMOCD RRALs

Appendices

Appendix A

Release Notification & Corrective Action (Form C-141)

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

State of New Mexico
Energy Minerals and Natural Resources
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised April 3, 2017

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	OXY USA, Inc.	Contact	Wade Dittrich
Address	P.O. Box 4294, Houston, TX 77210	Telephone No.	(575)390-2828
Facility Name	Fred Turner JR B 0004	Facility Type	P&E
Surface Owner	McCasland Ltd. Partnership	Mineral Owner	Fee
		API No.	30-025-07780

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	17	20S	38E	1970	N	1990	W	Lea

Latitude 32.574963 Longitude -103.172844 NAD83

NATURE OF RELEASE

Type of Release	Crude Oil & Produced water	Volume of Release	22 bbls Crude Oil & 30 bbls Produced Water	Volume Recovered	50 bbls
Source of Release	2-Inch Steel Production Line	Date and Hour of Occurrence	9/29/2017, Time Unknown	Date and Hour of Discovery	9/29/2017, 6:30 AM
Was Immediate Notice Given?	☒ Yes ☐ No ☐ Not Required	If YES, To Whom?	Olivia Yu - NMOCD; Amber Groves - NMSLO		
By Whom?	Wade Dittrich	Date and Hour	9/29/2017, 7:25 PM		
Was a Watercourse Reached?	☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.			

RECEIVED

By Olivia Yu at 8:04 am, Oct 18, 2017

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*
A 2-inch steel production line failed, causing a release of crude oil and produced water. The affected section of steel line has been replaced.

Describe Area Affected and Cleanup Action Taken.*
During initial response activities, a vacuum truck was utilized to recover free-standing liquid. The released fluid affected an area of caliche well pad and access road measuring approximately 13,000 sq. ft. The release also affected an area of the adjacent pasture measuring approximately 8,200 sq. ft. Remediation of the impacted areas will be conducted in accordance with NMOCD and NMSLO guidelines.

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: Environmental Coordinator				Approval Date: 10/18/2017	Expiration Date:
E-mail Address: wade_dittrich@oxy.com				Conditions of Approval:	Attached ☒
Date: 10/16/2017	Phone: (575) 390-2828			see attached directive	

* Attach Additional Sheets If Necessary

1RP-4846

nOY1729129537

pOY1729130036

Appendix B

Depth-to-Groundwater Data



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced, O=orphaned, C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
L 02109	L	LE		2	4	2	18	20S	38E	670803	3605719*	712	124	50	74
L 02125	L	LE		2	4	3	08	20S	38E	671593	3606538	900	120		
L 02124	R	L	LE	1	3	3	08	20S	38E	671190	3606531*	945	131		
L 02124 POD2	L	LE		2	3	3	08	20S	38E	671190	3606531	945	122	70	52
L 00438 POD6	L	LE		1	2	3	08	20S	38E	671385	3606941*	1305	125	90	35
L 00407 POD4	L	LE		4	2	4	07	20S	38E	670781	3606727*	1308	136	72	64
L 00438 POD7	L	LE		1	1	4	08	20S	38E	671788	3606948	1335	123		
L 00407 S	L	LE		2	2	4	07	20S	38E	670781	3606927*	1478	134	66	68
L 00407 S	R	L	LE	2	2	4	07	20S	38E	670781	3606927*	1478	134	66	68
L 03799	L	LE		1	2	4	08	20S	38E	672190	3606955*	1478	83		
L 03800	L	LE		1	2	4	08	20S	38E	672190	3606955*	1478	103		
L 00407 POD5	L	LE		1	2	4	07	20S	38E	670581	3606927*	1586	136	64	72

Average Depth to Water: **68 feet**

Minimum Depth: **50 feet**

Maximum Depth: **90 feet**

Record Count: 12

UTM NAD83 Radius Search (in meters):

Easting (X): 671511.3

Northing (Y): 3605641.59

Radius: 1610

*UTM location was derived from PLSS - see Help

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

3/23/18 2:50 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Released to Imaging: 9/20/2022 2:30:25 PM

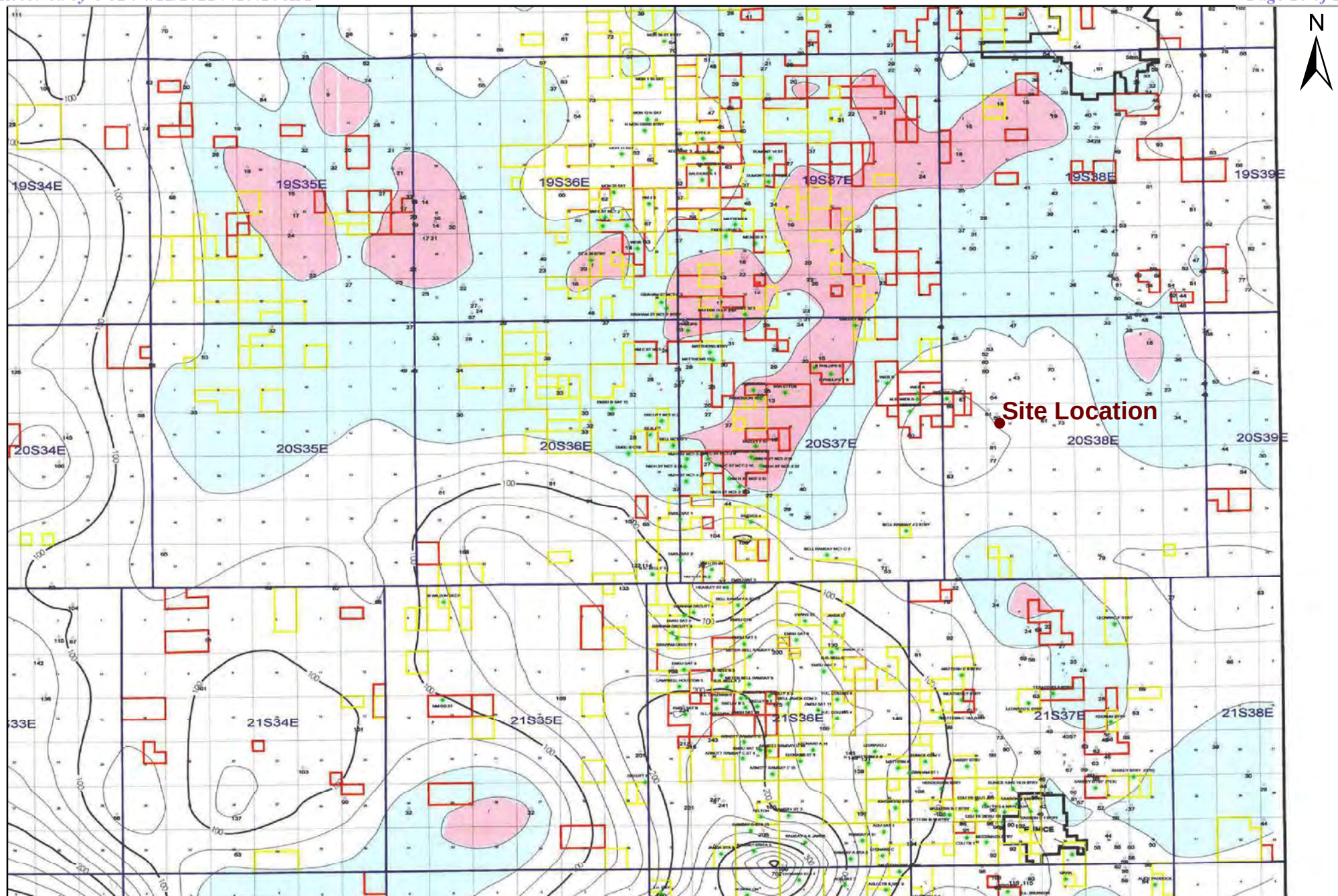


Figure 5
Depth-to-Groundwater Trend Map
OXY USA, Inc.
Fred Turner Jr. B 0004
Lea County, New Mexico
NMOCD Reference #: 1RP-4846



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

Drawn By: BJA	Checked By: CTR
March 22, 2018	Not To Scale

Appendix C

Photographs

OXY USA, Inc. – Fred Turner Jr. B 0004
Unit Letter “F” (SE/NW), Section 17, Township 20S, Range 38E



Release (Looking East-Northeast)



Release (Looking Northwest)

OXY USA, Inc. – Fred Turner Jr. B 0004
Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Release (Looking North)



Release (Looking Southeast)

OXY USA, Inc. – Fred Turner Jr. B 0004
Unit Letter “F” (SE/NW), Section 17, Township 20S, Range 38E



Release (Looking South-Southeast)



Release (Looking West-Southwest)

OXY USA, Inc. – Fred Turner Jr. B 0004
Unit Letter “F” (SE/NW), Section 17, Township 20S, Range 38E



Release (Looking West-Southwest)



Release (Looking Southwest)

OXY USA, Inc. – Fred Turner Jr. B 0004
Unit Letter “F” (SE/NW), Section 17, Township 20S, Range 38E



Release (Looking East-Southeast)



Release (Looking Southeast)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Release (Looking West)



Release (Looking West-Northwest)

OXY USA, Inc. – Fred Turner Jr. B 0004
Unit Letter “F” (SE/NW), Section 17, Township 20S, Range 38E



Release (Looking West-Southwest)



Release (Looking South-Southwest)

OXY USA, Inc. – Fred Turner Jr. B 0004
Unit Letter “F” (SE/NW), Section 17, Township 20S, Range 38E



Release (Looking Southwest)



Release (Looking West-Southwest)

OXY USA, Inc. – Fred Turner Jr. B 0004
Unit Letter “F” (SE/NW), Section 17, Township 20S, Range 38E



Release (Looking East)



Release (Looking East-Northeast)

OXY USA, Inc. – Fred Turner Jr. B 0004
Unit Letter “F” (SE/NW), Section 17, Township 20S, Range 38E



Release (Looking Southwest)



Release (Looking South)

OXY USA, Inc. – Fred Turner Jr. B 0004
Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Release (Looking South)



Release (Looking Southeast)

OXY USA, Inc. – Fred Turner Jr. B 0004
Unit Letter “F” (SE/NW), Section 17, Township 20S, Range 38E



Release (Looking Southeast)



Release (Looking Southeast)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Excavation (SP-2)



Excavation (SP-2)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Excavation (SP-2)



Excavation (SP-2)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Excavation (SP-2)



Excavation (SP-2/SP-4, in foreground & SP-6, in background)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



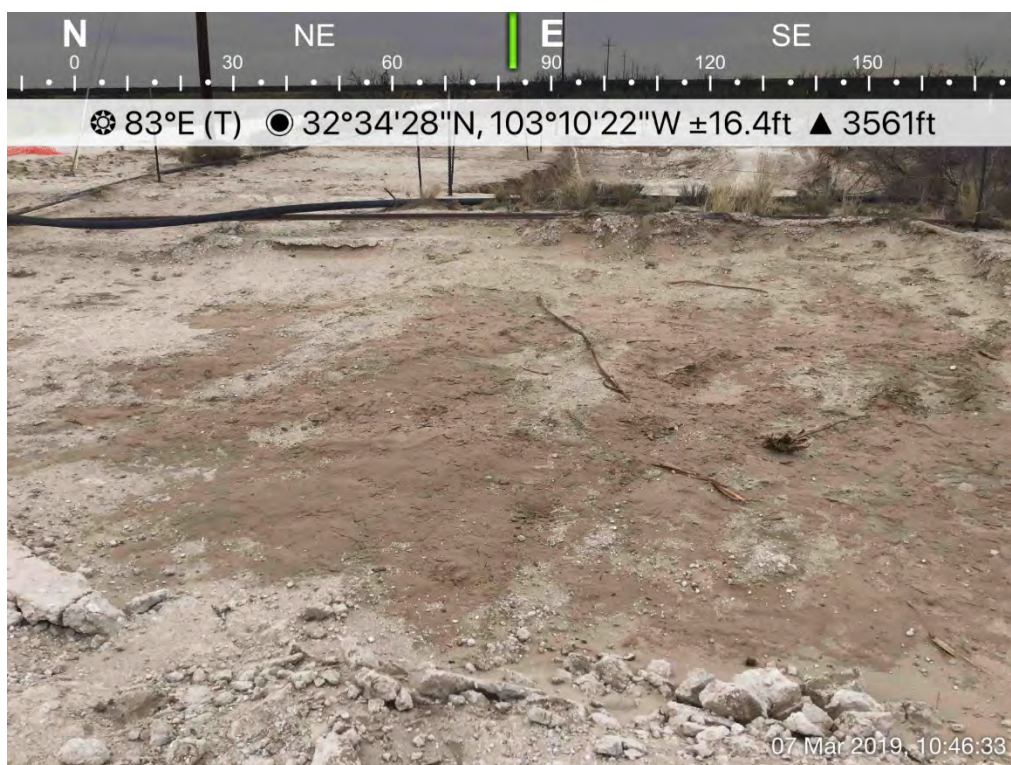
Excavation (SP-2 & SP-4, in left background)



Excavation (SP-2)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Excavation (SP-2)



Excavation (SP-2 & SP-4)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Excavation (SP-2 & SP-15/Historical Excavation, in background)



Excavation (SP-4/SP-2)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Excavation (SP-2 & SP-4)



Excavation (SP-6)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Excavation (SP-6)



Excavation (SP-6)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Excavation (SP-6)



Excavation (SP-15/Historical Release)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Excavation (SP-15/Historical Release)



Excavation (SP-15/Historical Release)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Excavation (SP-2, in right background & SP-15/Historical Release, in left background)



Excavation (SP-15/Historical Release)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Excavation (SP-15/Historical Release)



Excavation (SP-15/Historical Release)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Excavation (SP-15/Historical Release)



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OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Excavation (SP-15/Historical Release)



Excavation (SP-15/Historical Release)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Excavation (SP-15/Historical Release)



Excavation (SP-15/Historical Release)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Excavation (SP-15/Historical Release)



Excavation (SP-15/Historical Release)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Backfilled Excavation (SP-2)



Backfilled Excavation (SP-2)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



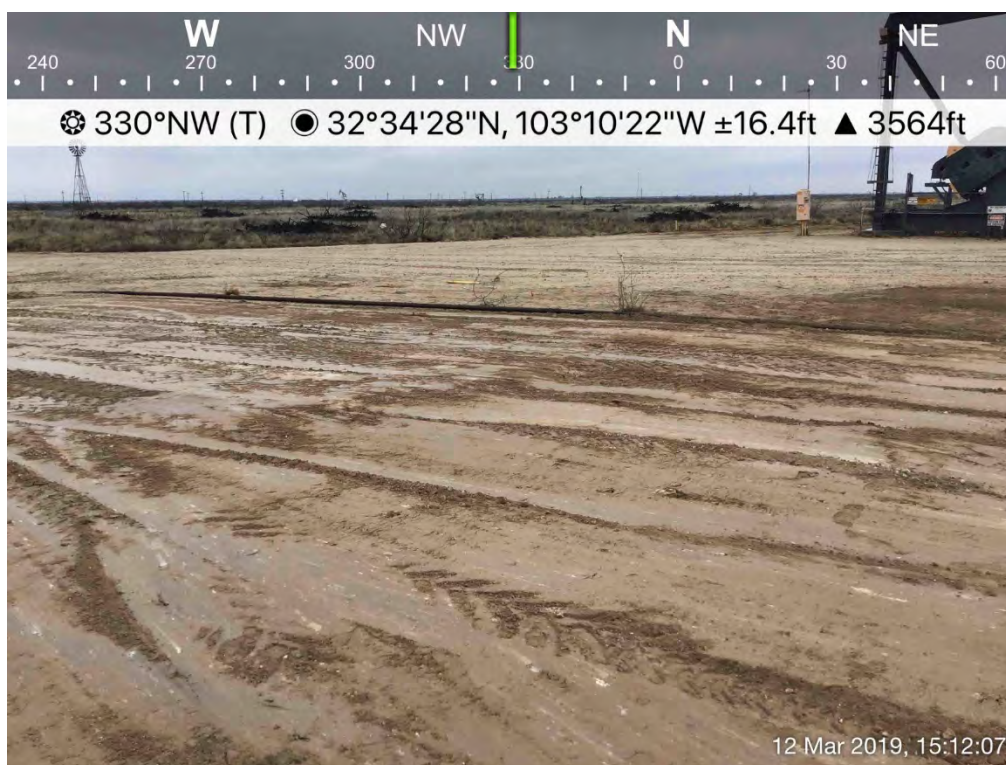
Backfilled Excavation (SP-2, in background & SP-15/Historical Release, in foreground)



Backfilled Excavation (SP-2 & SP-6, in background)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Backfilled Excavation (SP-2)



Backfilled Excavation (SP-2)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Backfilled Excavation (SP-2)



Backfilled Excavation (SP-2 & SP-15/Historical Release, left background)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



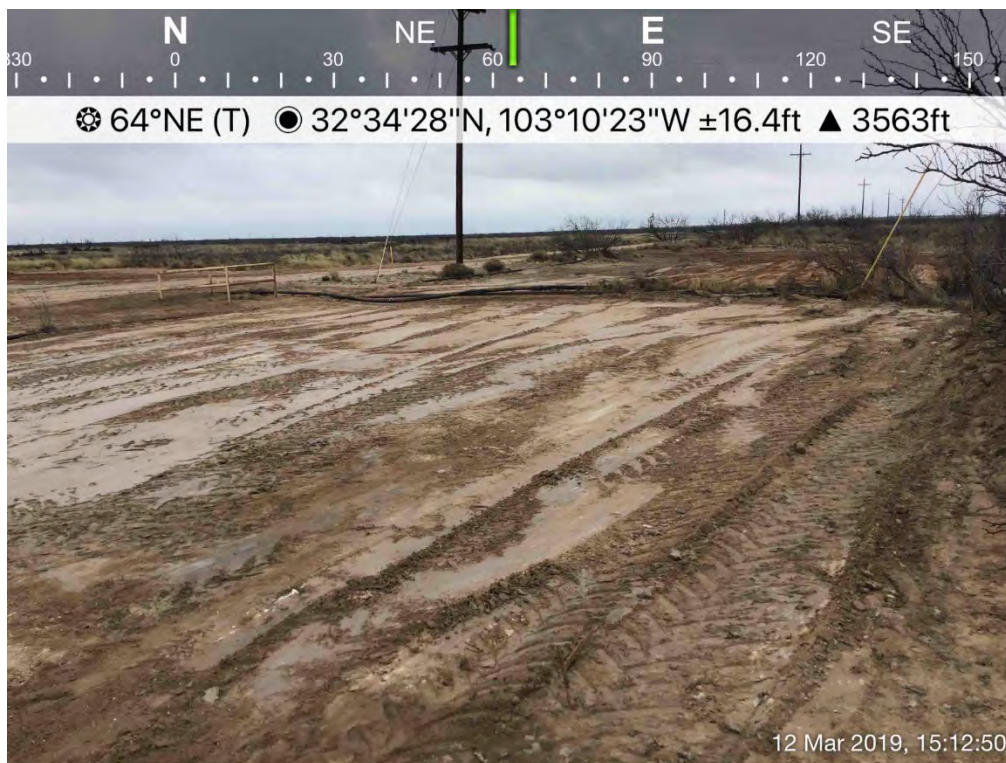
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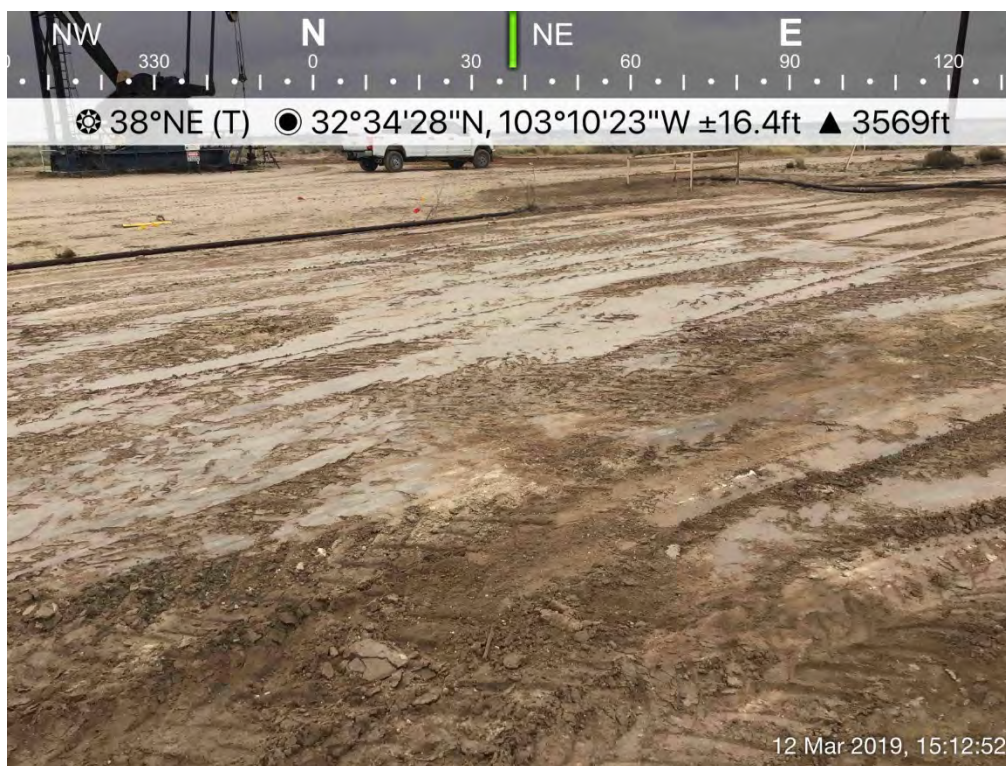
Backfilled Excavation (SP-2 & SP-4, in background)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Backfilled Excavation (SP-4/SP-2, in foreground & SP-15/Historical Release, in background)



Backfilled Excavation (SP-4, in foreground & SP-2, in background)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Backfilled Excavation (SP-6)



Backfilled Excavation (SP-6)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



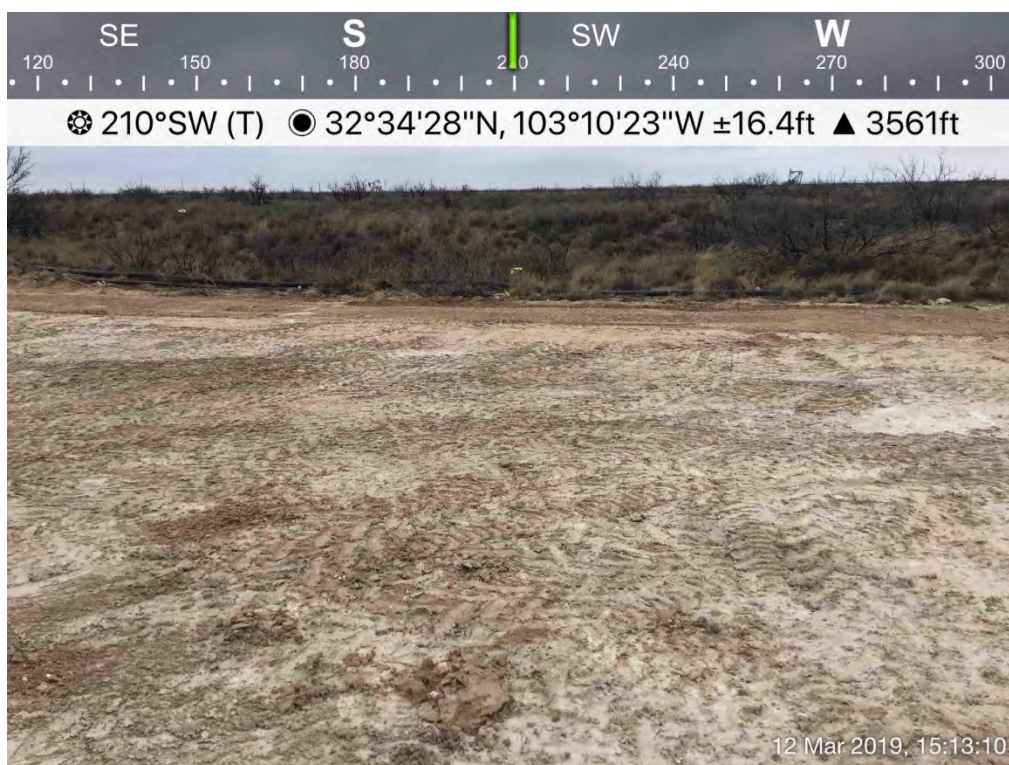
Backfilled Excavation (SP-6)



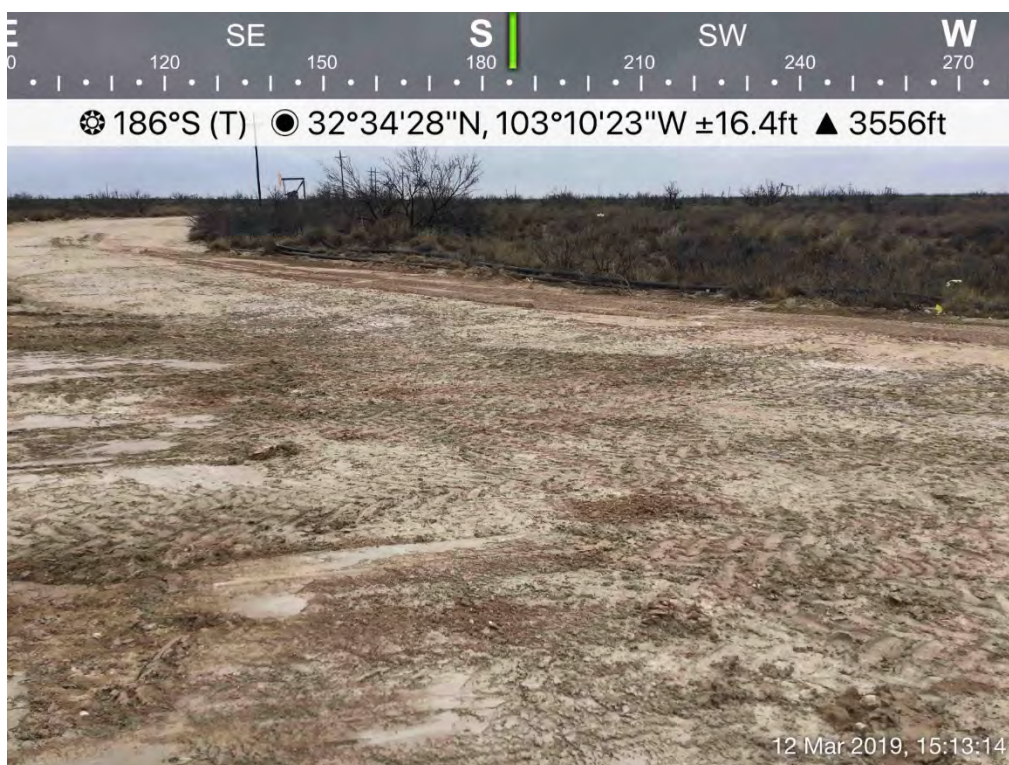
Backfilled Excavation (SP-6)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Backfilled Excavation (SP-6)



Backfilled Excavation (SP-6)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Backfilled Excavation (SP-15/Historical Release)



Backfilled Excavation (SP-15/Historical Release)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Backfilled Excavation (SP-15/Historical Release & SP-2, in right background)



Backfilled Excavation (SP-15/Historical Release)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Backfilled Excavation (SP-15/Historical Release)



Backfilled Excavation (SP-15/Historical Release)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Backfilled Excavation (SP-15/Historical Release & SP-2, in background)



Backfilled Excavation (SP-15/Historical Release & SP-2, in background)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Backfilled Excavation (SP-15/Historical Release)



Backfilled Excavation (SP-15/Historical Release)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Backfilled Excavation (SP-15/Historical Release)



Backfilled Excavation (SP-15/Historical Release)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Backfilled Excavation (SP-15/Historical Release)



Backfilled Excavation (SP-15/Historical Release)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Backfilled Excavation (SP-15/Historical Release)



Backfilled Excavation (SP-15/Historical Release)

OXY USA, Inc. – Fred Turner Jr. B 0004

Unit Letter "F" (SE/NW), Section 17, Township 20S, Range 38E



Backfilled Excavation (SP-15/Historical Release)

Appendix D

Laboratory Analytical Reports



Certificate of Analysis Summary 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fred Turner Jr B 0004



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Fri Oct-06-17 03:41 pm

Report Date: 30-OCT-17

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	565000-001	565000-002	565000-003	565000-004	565000-005	565000-006
	Field Id:	SP-1 @ 6"	SP-1 @ 2'	SP-1 @ 4'	SP-2 @ 6"	SP-2 @ 2'	SP-2 @ 4'
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Oct-02-17 09:16	Oct-02-17 09:30	Oct-02-17 09:32	Oct-02-17 09:46	Oct-02-17 09:48	Oct-02-17 09:50
BTEX by EPA 8021B	Extracted:	Oct-12-17 11:00		Oct-12-17 11:00	Oct-12-17 11:00		Oct-12-17 11:00
	Analyzed:	Oct-12-17 19:18		Oct-12-17 19:37	Oct-12-17 19:56		Oct-12-17 20:15
	Units/RL:	mg/kg RL		mg/kg RL	mg/kg RL		mg/kg RL
Benzene		<0.00202 0.00202		<0.00199 0.00199	<0.00200 0.00200		<0.00200 0.00200
Toluene		<0.00202 0.00202		<0.00199 0.00199	<0.00200 0.00200		<0.00200 0.00200
Ethylbenzene		<0.00202 0.00202		<0.00199 0.00199	<0.00200 0.00200		<0.00200 0.00200
m,p-Xylenes		0.00521 0.00403		<0.00398 0.00398	<0.00399 0.00399		<0.00401 0.00401
o-Xylene		0.00498 0.00202		<0.00199 0.00199	<0.00200 0.00200		<0.00200 0.00200
Total Xylenes		0.0102 0.00202		<0.00199 0.00199	<0.00200 0.00200		<0.00200 0.00200
Total BTEX		0.0102 0.00202		<0.00199 0.00199	<0.00200 0.00200		<0.00200 0.00200
Chloride by EPA 300	Extracted:	Oct-23-17 08:00	Oct-23-17 08:00	Oct-23-17 08:00	Oct-23-17 08:00	Oct-23-17 08:00	Oct-23-17 08:00
	Analyzed:	Oct-23-17 10:32	Oct-23-17 10:52	Oct-23-17 10:59	Oct-23-17 11:06	Oct-23-17 11:12	Oct-23-17 11:33
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		25.9 4.90	39.6 4.92	11.5 5.00	712 4.96	87.8 4.98	40.6 4.94
TPH By SW8015 Mod	Extracted:	Oct-10-17 07:00		Oct-10-17 07:00	Oct-25-17 16:00		Oct-25-17 16:00
	Analyzed:	Oct-10-17 15:46		Oct-10-17 16:46	Oct-25-17 21:10		Oct-25-17 21:30
	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)		23.4 15.0		<15.0 15.0	69.1 K 15.0		17.3 K 15.0
Oil Range Hydrocarbons (ORO)		<15.0 15.0		<15.0 15.0	29.0 K 15.0		<15.0 15.0
Total TPH		23.4 15.0		<15.0 15.0	98.1 K 15.0		17.3 K 15.0

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Holly Taylor
Project Manager



Certificate of Analysis Summary 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fred Turner Jr B 0004



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Fri Oct-06-17 03:41 pm

Report Date: 30-OCT-17

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	565000-007	565000-008	565000-009	565000-010	565000-011	565000-012
	Field Id:	SP-3 @ 6"	SP-3 @ 2'	SP-3 @ 4'	SP-4 @ 6"	SP-4 @ 2'	SP-4 @ 4'
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Oct-02-17 10:12	Oct-02-17 10:15	Oct-02-17 10:20	Oct-02-17 10:43	Oct-02-17 10:46	Oct-02-17 10:48
BTEX by EPA 8021B	Extracted:	Oct-12-17 11:00		Oct-12-17 15:00	Oct-12-17 15:00		Oct-27-17 10:00
	Analyzed:	Oct-12-17 20:33		Oct-13-17 08:50	Oct-13-17 09:09		Oct-27-17 14:10
	Units/RL:	mg/kg RL		mg/kg RL	mg/kg RL		mg/kg RL
Benzene		<0.00198 0.00198		<0.00202 0.00202	<0.00200 0.00200		<0.00336 0.00336
Toluene		<0.00198 0.00198		<0.00202 0.00202	<0.00200 0.00200		<0.00336 0.00336
Ethylbenzene		<0.00198 0.00198		<0.00202 0.00202	<0.00200 0.00200		<0.00336 0.00336
m,p-Xylenes		<0.00396 0.00396		<0.00403 0.00403	<0.00399 0.00399		<0.00671 0.00671
o-Xylene		<0.00198 0.00198		<0.00202 0.00202	<0.00200 0.00200		<0.00336 0.00336
Total Xylenes		<0.00198 0.00198		<0.00202 0.00202	<0.00200 0.00200		<0.00336 0.00336
Total BTEX		<0.00198 0.00198		<0.00202 0.00202	<0.00200 0.00200		<0.00336 0.00336
Chloride by EPA 300	Extracted:	Oct-23-17 08:00	Oct-23-17 08:00	Oct-23-17 08:00	Oct-23-17 08:00	Oct-23-17 08:00	Oct-23-17 08:00
	Analyzed:	Oct-23-17 11:40	Oct-23-17 11:46	Oct-23-17 11:53	Oct-23-17 12:00	Oct-23-17 12:07	Oct-23-17 12:27
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		44.4 4.94	5.56 4.90	<4.96 4.96	743 4.92	1130 4.97	18.5 4.93
TPH By SW8015 Mod	Extracted:	Oct-10-17 07:00		Oct-25-17 16:00	Oct-25-17 16:00		Oct-25-17 16:00
	Analyzed:	Oct-10-17 17:47		Oct-25-17 22:12	Oct-26-17 10:58		Oct-25-17 22:51
	Units/RL:	mg/kg RL		mg/kg RL	mg/kg RL		mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0		<14.9 14.9	35.9 K 15.0		<14.9 14.9
Diesel Range Organics (DRO)		39.8 15.0		<14.9 14.9	1240 K 15.0		35.9 K 14.9
Oil Range Hydrocarbons (ORO)		<15.0 15.0		<14.9 14.9	221 K 15.0		<14.9 14.9
Total TPH		39.8 15.0		<14.9 14.9	1500 K 15.0		35.9 K 14.9

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Holly Taylor
Project Manager



Certificate of Analysis Summary 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fred Turner Jr B 0004



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Fri Oct-06-17 03:41 pm

Report Date: 30-OCT-17

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	565000-013	565000-014	565000-015	565000-016	565000-017	565000-018
	<i>Field Id:</i>	SP-5 @ 6"	SP-5 @ 2'	SP-5 @ 4'	SP-6 @ 6"	SP-6 @ 2'	SP-6 @ 4'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Oct-02-17 11:05	Oct-02-17 11:09	Oct-02-17 11:25	Oct-02-17 12:03	Oct-02-17 12:05	Oct-02-17 12:07
BTEX by EPA 8021B	<i>Extracted:</i>	Oct-12-17 15:00		Oct-27-17 10:00	Oct-12-17 15:00		Oct-12-17 15:00
	<i>Analyzed:</i>	Oct-13-17 00:38		Oct-27-17 14:29	Oct-13-17 01:34		Oct-13-17 01:53
	<i>Units/RL:</i>	mg/kg RL		mg/kg RL	mg/kg RL		mg/kg RL
Benzene		<0.00200 0.00200		<0.00332 0.00332	<0.00202 0.00202		<0.00198 0.00198
Toluene		<0.00200 0.00200		<0.00332 0.00332	<0.00202 0.00202		<0.00198 0.00198
Ethylbenzene		<0.00200 0.00200		<0.00332 0.00332	<0.00202 0.00202		<0.00198 0.00198
m,p-Xylenes		<0.00399 0.00399		<0.00664 0.00664	<0.00404 0.00404		<0.00396 0.00396
o-Xylene		<0.00200 0.00200		<0.00332 0.00332	<0.00202 0.00202		<0.00198 0.00198
Total Xylenes		<0.00200 0.00200		<0.00332 0.00332	<0.00202 0.00202		<0.00198 0.00198
Total BTEX		<0.00200 0.00200		<0.00332 0.00332	<0.00202 0.00202		<0.00198 0.00198
Chloride by EPA 300	<i>Extracted:</i>	Oct-23-17 08:00	Oct-23-17 08:00	Oct-23-17 08:00	Oct-23-17 08:00	Oct-23-17 08:00	Oct-23-17 08:00
	<i>Analyzed:</i>	Oct-23-17 12:34	Oct-23-17 12:54	Oct-23-17 13:01	Oct-23-17 13:08	Oct-23-17 13:14	Oct-23-17 13:21
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		42.5 4.91	56.5 4.94	72.4 4.92	1600 24.5	41.1 4.98	43.0 4.90
TPH By SW8015 Mod	<i>Extracted:</i>	Oct-25-17 16:00		Oct-25-17 16:00	Oct-25-17 16:00		Oct-25-17 16:00
	<i>Analyzed:</i>	Oct-25-17 23:10		Oct-25-17 23:30	Oct-26-17 00:34		Oct-26-17 00:53
	<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)		72.0 K 15.0		96.3 K 15.0	72.7 K 15.0		<15.0 15.0
Oil Range Hydrocarbons (ORO)		<15.0 15.0		18.3 K 15.0	<15.0 15.0		<15.0 15.0
Total TPH		72.0 K 15.0		115 K 15.0	72.7 K 15.0		<15.0 15.0

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Holly Taylor
Project Manager



Certificate of Analysis Summary 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fred Turner Jr B 0004



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Fri Oct-06-17 03:41 pm

Report Date: 30-OCT-17

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	565000-019	565000-020	565000-021	565000-022	565000-023	565000-024
	Field Id:	SP-7 @ 6"	SP-8 @ 6"	SP-8 @ 2'	SP-9 @ 6"	SP-9 @ 2'	SP-9 @ 4'
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Oct-02-17 12:25	Oct-02-17 12:40	Oct-02-17 12:42	Oct-02-17 13:16	Oct-02-17 13:28	Oct-02-17 13:34
BTEX by EPA 8021B	Extracted:	Oct-12-17 15:00	Oct-27-17 10:00	Oct-13-17 09:00	Oct-12-17 15:00		Oct-13-17 09:00
	Analyzed:	Oct-13-17 09:28	Oct-27-17 14:48	Oct-13-17 18:18	Oct-13-17 03:46		Oct-13-17 18:36
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		mg/kg RL
Benzene		<0.00340 0.00340	<0.00330 0.00330	<0.00332 0.00332	<0.00202 0.00202		<0.00338 0.00338
Toluene		<0.00340 0.00340	<0.00330 0.00330	<0.00332 0.00332	<0.00202 0.00202		<0.00338 0.00338
Ethylbenzene		<0.00340 0.00340	<0.00330 0.00330	<0.00332 0.00332	<0.00202 0.00202		<0.00338 0.00338
m,p-Xylenes		<0.00680 0.00680	<0.00660 0.00660	<0.00664 0.00664	<0.00404 0.00404		<0.00676 0.00676
o-Xylene		<0.00340 0.00340	<0.00330 0.00330	<0.00332 0.00332	<0.00202 0.00202		<0.00338 0.00338
Total Xylenes		<0.00340 0.00340	<0.00330 0.00330	<0.00332 0.00332	<0.00202 0.00202		<0.00338 0.00338
Total BTEX		<0.00340 0.00340	<0.00330 0.00330	<0.00332 0.00332	<0.00202 0.00202		<0.00338 0.00338
Chloride by EPA 300	Extracted:	Oct-23-17 08:00	Oct-23-17 08:00	Oct-26-17 16:15	Oct-26-17 16:15	Oct-26-17 16:15	Oct-26-17 16:15
	Analyzed:	Oct-23-17 13:28	Oct-23-17 13:35	Oct-27-17 00:53	Oct-27-17 01:13	Oct-27-17 01:20	Oct-27-17 01:27
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		30.8 4.94	17.8 4.95	<4.90 4.90	<4.91 4.91	21.8 4.92	43.2 4.95
TPH By SW8015 Mod	Extracted:	Oct-10-17 07:00	Oct-25-17 16:00	Oct-25-17 16:00	Oct-10-17 07:00		Oct-10-17 07:00
	Analyzed:	Oct-10-17 21:10	Oct-26-17 01:32	Oct-26-17 01:51	Oct-10-17 22:12		Oct-10-17 22:31
	Units/RL:	mg/kg 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		<15.0 15.0
Diesel Range Organics (DRO)		<15.0 15.0	218 K 15.0	108 K 15.0	<15.0 15.0		<15.0 15.0
Oil Range Hydrocarbons (ORO)		<15.0 15.0	42.5 K 15.0	18.7 K 15.0	<15.0 15.0		<15.0 15.0
Total TPH		<15.0 15.0	261 K 15.0	127 K 15.0	<15.0 15.0		<15.0 15.0

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Holly Taylor
Project Manager

Analytical Report 565000

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Fred Turner Jr B 0004

30-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)



30-OCT-17

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

Reference: XENCO Report No(s): **565000**
Fred Turner Jr B 0004
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) 565000. 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. 565000 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,

A handwritten signature in black ink that reads 'Holly Taylor'.

Holly Taylor
Project Manager

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Sample Cross Reference 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1 @ 6"	S	10-02-17 09:16		565000-001
SP-1 @ 2'	S	10-02-17 09:30		565000-002
SP-1 @ 4'	S	10-02-17 09:32		565000-003
SP-2 @ 6"	S	10-02-17 09:46		565000-004
SP-2 @ 2'	S	10-02-17 09:48		565000-005
SP-2 @ 4'	S	10-02-17 09:50		565000-006
SP-3 @ 6"	S	10-02-17 10:12		565000-007
SP-3 @ 2'	S	10-02-17 10:15		565000-008
SP-3 @ 4'	S	10-02-17 10:20		565000-009
SP-4 @ 6"	S	10-02-17 10:43		565000-010
SP-4 @ 2'	S	10-02-17 10:46		565000-011
SP-4 @ 4'	S	10-02-17 10:48		565000-012
SP-5 @ 6"	S	10-02-17 11:05		565000-013
SP-5 @ 2'	S	10-02-17 11:09		565000-014
SP-5 @ 4'	S	10-02-17 11:25		565000-015
SP-6 @ 6"	S	10-02-17 12:03		565000-016
SP-6 @ 2'	S	10-02-17 12:05		565000-017
SP-6 @ 4'	S	10-02-17 12:07		565000-018
SP-7 @ 6"	S	10-02-17 12:25		565000-019
SP-8 @ 6"	S	10-02-17 12:40		565000-020
SP-8 @ 2'	S	10-02-17 12:42		565000-021
SP-9 @ 6"	S	10-02-17 13:16		565000-022
SP-9 @ 2'	S	10-02-17 13:28		565000-023
SP-9 @ 4'	S	10-02-17 13:34		565000-024

**CASE NARRATIVE****Client Name: Trinity Oilfield Services & Rentals, LLC****Project Name: Fred Turner Jr B 0004**Project ID:
Work Order Number(s): 565000Report Date: 30-OCT-17
Date Received: 10/06/2017

Sample receipt non conformances and comments:

10/12/17 Analyze samples 001, 003, 004, 006, 007, 009, 010, 013, 015, 016, 018-022, and 024 for BTEX per Ben Arguijo.

1.001 Re-issued report due to sample mislabling.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3030405 BTEX by EPA 8021B

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

Batch: LBA-3030410 BTEX by EPA 8021B

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

Surrogate 1,4-Difluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 565000-022.

Batch: LBA-3030629 BTEX by EPA 8021B

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

Batch: LBA-3031489 Chloride by EPA 300

Lab Sample ID 565000-011 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: 565000-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015, -016, -017, -018, -019, -020.

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

Batch: LBA-3031744 BTEX by EPA 8021B

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



Certificate of Analytical Results 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-1 @ 6"**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-001

Date Collected: 10.02.17 09.16

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	25.9	4.90	mg/kg	10.23.17 10.32		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.10.17 07.00

Basis: Wet Weight

Seq Number: 3030141

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.10.17 15.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	23.4	15.0	mg/kg	10.10.17 15.46		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.10.17 15.46	U	1
Total TPH	PHC635	23.4	15.0	mg/kg	10.10.17 15.46		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	108	%	70-135	10.10.17 15.46		
o-Terphenyl	84-15-1	107	%	70-135	10.10.17 15.46		



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-1 @ 6"**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-001

Date Collected: 10.02.17 09.16

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.12.17 11.00

Basis: Wet Weight

Seq Number: 3030405

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.12.17 19.18	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.12.17 19.18	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.12.17 19.18	U	1
m,p-Xylenes	179601-23-1	0.00521	0.00403	mg/kg	10.12.17 19.18		1
o-Xylene	95-47-6	0.00498	0.00202	mg/kg	10.12.17 19.18		1
Total Xylenes	1330-20-7	0.0102	0.00202	mg/kg	10.12.17 19.18		1
Total BTEX		0.0102	0.00202	mg/kg	10.12.17 19.18		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	99	%	80-120	10.12.17 19.18		
1,4-Difluorobenzene	540-36-3	94	%	80-120	10.12.17 19.18		



Certificate of Analytical Results 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-1 @ 2'**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-002

Date Collected: 10.02.17 09.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	39.6	4.92	mg/kg	10.23.17 10.52		1



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-1 @ 4'**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-003

Date Collected: 10.02.17 09.32

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	11.5	5.00	mg/kg	10.23.17 10.59		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.10.17 07.00

Basis: Wet Weight

Seq Number: 3030141

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.10.17 16.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	10.10.17 16.46	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.10.17 16.46	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	10.10.17 16.46	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	109	%	70-135	10.10.17 16.46		
o-Terphenyl	84-15-1	108	%	70-135	10.10.17 16.46		



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-1 @ 4'**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-003

Date Collected: 10.02.17 09.32

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.12.17 11.00

Basis: Wet Weight

Seq Number: 3030405

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	10.12.17 19.37	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	10.12.17 19.37	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	10.12.17 19.37	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	10.12.17 19.37	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	10.12.17 19.37	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	10.12.17 19.37	U	1
Total BTEX		<0.00199	0.00199	mg/kg	10.12.17 19.37	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	101	%	80-120	10.12.17 19.37		
4-Bromofluorobenzene	460-00-4	83	%	80-120	10.12.17 19.37		



Certificate of Analytical Results 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-2 @ 6"**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-004

Date Collected: 10.02.17 09.46

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	712	4.96	mg/kg	10.23.17 11.06		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.25.17 16.00

Basis: Wet Weight

Seq Number: 3031681

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.25.17 21.10	UK	1
Diesel Range Organics (DRO)	C10C28DRO	69.1	15.0	mg/kg	10.25.17 21.10	K	1
Oil Range Hydrocarbons (ORO)	PHCG2835	29.0	15.0	mg/kg	10.25.17 21.10	K	1
Total TPH	PHC635	98.1	15.0	mg/kg	10.25.17 21.10	K	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	10.25.17 21.10	
o-Terphenyl	84-15-1	97	%	70-135	10.25.17 21.10	



Certificate of Analytical Results 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-2 @ 6"**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-004

Date Collected: 10.02.17 09.46

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.12.17 11.00

Basis: Wet Weight

Seq Number: 3030405

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.12.17 19.56	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.12.17 19.56	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.12.17 19.56	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.12.17 19.56	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.12.17 19.56	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.12.17 19.56	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.12.17 19.56	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	91	%	80-120	10.12.17 19.56		
1,4-Difluorobenzene	540-36-3	94	%	80-120	10.12.17 19.56		



Certificate of Analytical Results 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: SP-2 @ 2'

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-005

Date Collected: 10.02.17 09.48

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	87.8	4.98	mg/kg	10.23.17 11.12		1



Certificate of Analytical Results 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

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

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-006

Date Collected: 10.02.17 09.50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	40.6	4.94	mg/kg	10.23.17 11.33		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.25.17 16.00

Basis: Wet Weight

Seq Number: 3031681

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.25.17 21.30	UK	1
Diesel Range Organics (DRO)	C10C28DRO	17.3	15.0	mg/kg	10.25.17 21.30	K	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.25.17 21.30	UK	1
Total TPH	PHC635	17.3	15.0	mg/kg	10.25.17 21.30	K	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	10.25.17 21.30	
o-Terphenyl	84-15-1	98	%	70-135	10.25.17 21.30	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

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

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-006

Date Collected: 10.02.17 09.50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.12.17 11.00

Basis: Wet Weight

Seq Number: 3030405

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.12.17 20.15	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.12.17 20.15	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.12.17 20.15	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	10.12.17 20.15	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.12.17 20.15	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.12.17 20.15	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.12.17 20.15	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	99	%	80-120	10.12.17 20.15		
1,4-Difluorobenzene	540-36-3	95	%	80-120	10.12.17 20.15		



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-3 @ 6"**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-007

Date Collected: 10.02.17 10.12

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	44.4	4.94	mg/kg	10.23.17 11.40		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.10.17 07.00

Basis: Wet Weight

Seq Number: 3030141

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.10.17 17.47	U	1
Diesel Range Organics (DRO)	C10C28DRO	39.8	15.0	mg/kg	10.10.17 17.47		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.10.17 17.47	U	1
Total TPH	PHC635	39.8	15.0	mg/kg	10.10.17 17.47		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	10.10.17 17.47	
o-Terphenyl	84-15-1	104	%	70-135	10.10.17 17.47	



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-3 @ 6"**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-007

Date Collected: 10.02.17 10.12

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.12.17 11.00

Basis: Wet Weight

Seq Number: 3030405

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	10.12.17 20.33	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	10.12.17 20.33	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	10.12.17 20.33	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	10.12.17 20.33	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	10.12.17 20.33	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	10.12.17 20.33	U	1
Total BTEX		<0.00198	0.00198	mg/kg	10.12.17 20.33	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	81	%	80-120	10.12.17 20.33		
1,4-Difluorobenzene	540-36-3	80	%	80-120	10.12.17 20.33		



Certificate of Analytical Results 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-3 @ 2'**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-008

Date Collected: 10.02.17 10.15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5.56	4.90	mg/kg	10.23.17 11.46		1



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-3 @ 4'**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-009

Date Collected: 10.02.17 10.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.96	4.96	mg/kg	10.23.17 11.53	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.25.17 16.00

Basis: Wet Weight

Seq Number: 3031681

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	10.25.17 22.12	UK	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	10.25.17 22.12	UK	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	10.25.17 22.12	UK	1
Total TPH	PHC635	<14.9	14.9	mg/kg	10.25.17 22.12	UK	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	10.25.17 22.12	
o-Terphenyl	84-15-1	98	%	70-135	10.25.17 22.12	



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-3 @ 4'**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-009

Date Collected: 10.02.17 10.20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.12.17 15.00

Basis: Wet Weight

Seq Number: 3030410

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.13.17 08.50	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.13.17 08.50	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.13.17 08.50	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	10.13.17 08.50	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.13.17 08.50	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.13.17 08.50	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.13.17 08.50	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	91	%	80-120	10.13.17 08.50		
1,4-Difluorobenzene	540-36-3	95	%	80-120	10.13.17 08.50		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-4 @ 6"**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-010

Date Collected: 10.02.17 10.43

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	743	4.92	mg/kg	10.23.17 12.00		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.25.17 16.00

Basis: Wet Weight

Seq Number: 3031681

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	35.9	15.0	mg/kg	10.26.17 10.58	K	1
Diesel Range Organics (DRO)	C10C28DRO	1240	15.0	mg/kg	10.26.17 10.58	K	1
Oil Range Hydrocarbons (ORO)	PHCG2835	221	15.0	mg/kg	10.26.17 10.58	K	1
Total TPH	PHC635	1500	15.0	mg/kg	10.26.17 10.58	K	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	105	%	70-135	10.26.17 10.58		
o-Terphenyl	84-15-1	95	%	70-135	10.26.17 10.58		



Certificate of Analytical Results 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-4 @ 6"**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-010

Date Collected: 10.02.17 10.43

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.12.17 15.00

Basis: Wet Weight

Seq Number: 3030410

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.13.17 09.09	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.13.17 09.09	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.13.17 09.09	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.13.17 09.09	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.13.17 09.09	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.13.17 09.09	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.13.17 09.09	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	91	%	80-120	10.13.17 09.09		
4-Bromofluorobenzene	460-00-4	92	%	80-120	10.13.17 09.09		



Certificate of Analytical Results 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

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

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-011

Date Collected: 10.02.17 10.46

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1130	4.97	mg/kg	10.23.17 12.07		1



Certificate of Analytical Results 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

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

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-012

Date Collected: 10.02.17 10.48

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	18.5	4.93	mg/kg	10.23.17 12.27		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.25.17 16.00

Basis: Wet Weight

Seq Number: 3031681

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	10.25.17 22.51	UK	1
Diesel Range Organics (DRO)	C10C28DRO	35.9	14.9	mg/kg	10.25.17 22.51	K	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	10.25.17 22.51	UK	1
Total TPH	PHC635	35.9	14.9	mg/kg	10.25.17 22.51	K	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	100	%	70-135	10.25.17 22.51		
o-Terphenyl	84-15-1	98	%	70-135	10.25.17 22.51		



Certificate of Analytical Results 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

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

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-012

Date Collected: 10.02.17 10.48

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.27.17 10.00

Basis: Wet Weight

Seq Number: 3031744

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00336	0.00336	mg/kg	10.27.17 14.10	UK	1
Toluene	108-88-3	<0.00336	0.00336	mg/kg	10.27.17 14.10	UK	1
Ethylbenzene	100-41-4	<0.00336	0.00336	mg/kg	10.27.17 14.10	UK	1
m,p-Xylenes	179601-23-1	<0.00671	0.00671	mg/kg	10.27.17 14.10	UK	1
o-Xylene	95-47-6	<0.00336	0.00336	mg/kg	10.27.17 14.10	UK	1
Total Xylenes	1330-20-7	<0.00336	0.00336	mg/kg	10.27.17 14.10	UK	1
Total BTEX		<0.00336	0.00336	mg/kg	10.27.17 14.10	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	100	%	80-120	10.27.17 14.10		
1,4-Difluorobenzene	540-36-3	91	%	80-120	10.27.17 14.10		



Certificate of Analytical Results 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-5 @ 6"**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-013

Date Collected: 10.02.17 11.05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	42.5	4.91	mg/kg	10.23.17 12.34		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.25.17 16.00

Basis: Wet Weight

Seq Number: 3031681

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.25.17 23.10	UK	1
Diesel Range Organics (DRO)	C10C28DRO	72.0	15.0	mg/kg	10.25.17 23.10	K	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.25.17 23.10	UK	1
Total TPH	PHC635	72.0	15.0	mg/kg	10.25.17 23.10	K	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	10.25.17 23.10	
o-Terphenyl	84-15-1	93	%	70-135	10.25.17 23.10	



Certificate of Analytical Results 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-5 @ 6"**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-013

Date Collected: 10.02.17 11.05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.12.17 15.00

Basis: Wet Weight

Seq Number: 3030410

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	10.13.17 00.38	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	10.13.17 00.38	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	10.13.17 00.38	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	10.13.17 00.38	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	10.13.17 00.38	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	10.13.17 00.38	U	1
Total BTEX		<0.00200	0.00200	mg/kg	10.13.17 00.38	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	93	%	80-120	10.13.17 00.38		
1,4-Difluorobenzene	540-36-3	97	%	80-120	10.13.17 00.38		



Certificate of Analytical Results 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: SP-5 @ 2'

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-014

Date Collected: 10.02.17 11.09

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	56.5	4.94	mg/kg	10.23.17 12.54		1



Certificate of Analytical Results 565000

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-5 @ 4'**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-015

Date Collected: 10.02.17 11.25

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	72.4	4.92	mg/kg	10.23.17 13.01		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.25.17 16.00

Basis: Wet Weight

Seq Number: 3031681

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.25.17 23.30	UK	1
Diesel Range Organics (DRO)	C10C28DRO	96.3	15.0	mg/kg	10.25.17 23.30	K	1
Oil Range Hydrocarbons (ORO)	PHCG2835	18.3	15.0	mg/kg	10.25.17 23.30	K	1
Total TPH	PHC635	115	15.0	mg/kg	10.25.17 23.30	K	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	10.25.17 23.30	
o-Terphenyl	84-15-1	102	%	70-135	10.25.17 23.30	



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-5 @ 4'**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-015

Date Collected: 10.02.17 11.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.27.17 10.00

Basis: Wet Weight

Seq Number: 3031744

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00332	0.00332	mg/kg	10.27.17 14.29	UK	1
Toluene	108-88-3	<0.00332	0.00332	mg/kg	10.27.17 14.29	UK	1
Ethylbenzene	100-41-4	<0.00332	0.00332	mg/kg	10.27.17 14.29	UK	1
m,p-Xylenes	179601-23-1	<0.00664	0.00664	mg/kg	10.27.17 14.29	UK	1
o-Xylene	95-47-6	<0.00332	0.00332	mg/kg	10.27.17 14.29	UK	1
Total Xylenes	1330-20-7	<0.00332	0.00332	mg/kg	10.27.17 14.29	UK	1
Total BTEX		<0.00332	0.00332	mg/kg	10.27.17 14.29	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	93	%	80-120	10.27.17 14.29		
4-Bromofluorobenzene	460-00-4	82	%	80-120	10.27.17 14.29		



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-6 @ 6"**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-016

Date Collected: 10.02.17 12.03

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1600	24.5	mg/kg	10.23.17 13.08		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.25.17 16.00

Basis: Wet Weight

Seq Number: 3031681

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.26.17 00.34	UK	1
Diesel Range Organics (DRO)	C10C28DRO	72.7	15.0	mg/kg	10.26.17 00.34	K	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.26.17 00.34	UK	1
Total TPH	PHC635	72.7	15.0	mg/kg	10.26.17 00.34	K	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	10.26.17 00.34	
o-Terphenyl	84-15-1	94	%	70-135	10.26.17 00.34	



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-6 @ 6"**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-016

Date Collected: 10.02.17 12.03

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.12.17 15.00

Basis: Wet Weight

Seq Number: 3030410

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.13.17 01.34	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.13.17 01.34	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.13.17 01.34	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	10.13.17 01.34	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.13.17 01.34	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.13.17 01.34	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.13.17 01.34	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	99	%	80-120	10.13.17 01.34		
4-Bromofluorobenzene	460-00-4	93	%	80-120	10.13.17 01.34		

**Certificate of Analytical Results 565000****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Fred Turner Jr B 0004

Sample Id: **SP-6 @ 2'**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-017

Date Collected: 10.02.17 12.05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	41.1	4.98	mg/kg	10.23.17 13.14		1



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-6 @ 4'**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-018

Date Collected: 10.02.17 12.07

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	43.0	4.90	mg/kg	10.23.17 13.21		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.25.17 16.00

Basis: Wet Weight

Seq Number: 3031681

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.26.17 00.53	UK	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	10.26.17 00.53	UK	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.26.17 00.53	UK	1
Total TPH	PHC635	<15.0	15.0	mg/kg	10.26.17 00.53	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	101	%	70-135	10.26.17 00.53		
o-Terphenyl	84-15-1	98	%	70-135	10.26.17 00.53		



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-6 @ 4'**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-018

Date Collected: 10.02.17 12.07

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.12.17 15.00

Basis: Wet Weight

Seq Number: 3030410

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	10.13.17 01.53	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	10.13.17 01.53	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	10.13.17 01.53	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	10.13.17 01.53	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	10.13.17 01.53	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	10.13.17 01.53	U	1
Total BTEX		<0.00198	0.00198	mg/kg	10.13.17 01.53	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	85	%	80-120	10.13.17 01.53		
1,4-Difluorobenzene	540-36-3	99	%	80-120	10.13.17 01.53		



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

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

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-019

Date Collected: 10.02.17 12.25

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	30.8	4.94	mg/kg	10.23.17 13.28		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.10.17 07.00

Basis: Wet Weight

Seq Number: 3030141

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.10.17 21.10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	10.10.17 21.10	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.10.17 21.10	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	10.10.17 21.10	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	108	%	70-135	10.10.17 21.10		
o-Terphenyl	84-15-1	106	%	70-135	10.10.17 21.10		



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

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

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-019

Date Collected: 10.02.17 12.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.12.17 15.00

Basis: Wet Weight

Seq Number: 3030410

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00340	0.00340	mg/kg	10.13.17 09.28	U	1
Toluene	108-88-3	<0.00340	0.00340	mg/kg	10.13.17 09.28	U	1
Ethylbenzene	100-41-4	<0.00340	0.00340	mg/kg	10.13.17 09.28	U	1
m,p-Xylenes	179601-23-1	<0.00680	0.00680	mg/kg	10.13.17 09.28	U	1
o-Xylene	95-47-6	<0.00340	0.00340	mg/kg	10.13.17 09.28	U	1
Total Xylenes	1330-20-7	<0.00340	0.00340	mg/kg	10.13.17 09.28	U	1
Total BTEX		<0.00340	0.00340	mg/kg	10.13.17 09.28	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	94	%	80-120	10.13.17 09.28		
4-Bromofluorobenzene	460-00-4	97	%	80-120	10.13.17 09.28		



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-8 @ 6"**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-020

Date Collected: 10.02.17 12.40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 08.00

Basis: Wet Weight

Seq Number: 3031489

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	17.8	4.95	mg/kg	10.23.17 13.35		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.25.17 16.00

Basis: Wet Weight

Seq Number: 3031681

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.26.17 01.32	UK	1
Diesel Range Organics (DRO)	C10C28DRO	218	15.0	mg/kg	10.26.17 01.32	K	1
Oil Range Hydrocarbons (ORO)	PHCG2835	42.5	15.0	mg/kg	10.26.17 01.32	K	1
Total TPH	PHC635	261	15.0	mg/kg	10.26.17 01.32	K	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	101	%	70-135	10.26.17 01.32		
o-Terphenyl	84-15-1	98	%	70-135	10.26.17 01.32		



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-8 @ 6"**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-020

Date Collected: 10.02.17 12.40

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.27.17 10.00

Basis: Wet Weight

Seq Number: 3031744

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00330	0.00330	mg/kg	10.27.17 14.48	UK	1
Toluene	108-88-3	<0.00330	0.00330	mg/kg	10.27.17 14.48	UK	1
Ethylbenzene	100-41-4	<0.00330	0.00330	mg/kg	10.27.17 14.48	UK	1
m,p-Xylenes	179601-23-1	<0.00660	0.00660	mg/kg	10.27.17 14.48	UK	1
o-Xylene	95-47-6	<0.00330	0.00330	mg/kg	10.27.17 14.48	UK	1
Total Xylenes	1330-20-7	<0.00330	0.00330	mg/kg	10.27.17 14.48	UK	1
Total BTEX		<0.00330	0.00330	mg/kg	10.27.17 14.48	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	93	%	80-120	10.27.17 14.48		
4-Bromofluorobenzene	460-00-4	99	%	80-120	10.27.17 14.48		



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-8 @ 2'**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-021

Date Collected: 10.02.17 12.42

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.26.17 16.15

Basis: Wet Weight

Seq Number: 3031637

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.90	4.90	mg/kg	10.27.17 00.53	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.25.17 16.00

Basis: Wet Weight

Seq Number: 3031681

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.26.17 01.51	UK	1
Diesel Range Organics (DRO)	C10C28DRO	108	15.0	mg/kg	10.26.17 01.51	K	1
Oil Range Hydrocarbons (ORO)	PHCG2835	18.7	15.0	mg/kg	10.26.17 01.51	K	1
Total TPH	PHC635	127	15.0	mg/kg	10.26.17 01.51	K	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	109	%	70-135	10.26.17 01.51		
o-Terphenyl	84-15-1	103	%	70-135	10.26.17 01.51		



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-8 @ 2'**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-021

Date Collected: 10.02.17 12.42

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.13.17 09.00

Basis: Wet Weight

Seq Number: 3030629

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00332	0.00332	mg/kg	10.13.17 18.18	U	1
Toluene	108-88-3	<0.00332	0.00332	mg/kg	10.13.17 18.18	U	1
Ethylbenzene	100-41-4	<0.00332	0.00332	mg/kg	10.13.17 18.18	U	1
m,p-Xylenes	179601-23-1	<0.00664	0.00664	mg/kg	10.13.17 18.18	U	1
o-Xylene	95-47-6	<0.00332	0.00332	mg/kg	10.13.17 18.18	U	1
Total Xylenes	1330-20-7	<0.00332	0.00332	mg/kg	10.13.17 18.18	U	1
Total BTEX		<0.00332	0.00332	mg/kg	10.13.17 18.18	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	105	%	80-120	10.13.17 18.18		
4-Bromofluorobenzene	460-00-4	81	%	80-120	10.13.17 18.18		



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-9 @ 6"**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-022

Date Collected: 10.02.17 13.16

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.26.17 16.15

Basis: Wet Weight

Seq Number: 3031637

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.91	4.91	mg/kg	10.27.17 01.13	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.10.17 07.00

Basis: Wet Weight

Seq Number: 3030141

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.10.17 22.12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	10.10.17 22.12	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.10.17 22.12	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	10.10.17 22.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	10.10.17 22.12	
o-Terphenyl	84-15-1	98	%	70-135	10.10.17 22.12	



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-9 @ 6"**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-022

Date Collected: 10.02.17 13.16

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.12.17 15.00

Basis: Wet Weight

Seq Number: 3030410

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.13.17 03.46	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.13.17 03.46	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.13.17 03.46	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	10.13.17 03.46	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.13.17 03.46	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.13.17 03.46	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.13.17 03.46	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	128	%	80-120	10.13.17 03.46	**	
4-Bromofluorobenzene	460-00-4	81	%	80-120	10.13.17 03.46		

**Certificate of Analytical Results 565000****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Fred Turner Jr B 0004

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

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-023

Date Collected: 10.02.17 13.28

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.26.17 16.15

Basis: Wet Weight

Seq Number: 3031637

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	21.8	4.92	mg/kg	10.27.17 01.20		1



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-9 @ 4'**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-024

Date Collected: 10.02.17 13.34

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.26.17 16.15

Basis: Wet Weight

Seq Number: 3031637

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	43.2	4.95	mg/kg	10.27.17 01.27		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.10.17 07.00

Basis: Wet Weight

Seq Number: 3030141

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.10.17 22.31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	10.10.17 22.31	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.10.17 22.31	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	10.10.17 22.31	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	106	%	70-135	10.10.17 22.31		
o-Terphenyl	84-15-1	104	%	70-135	10.10.17 22.31		



Certificate of Analytical Results 565000



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-9 @ 4'**

Matrix: Soil

Date Received: 10.06.17 15.41

Lab Sample Id: 565000-024

Date Collected: 10.02.17 13.34

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.13.17 09.00

Basis: Wet Weight

Seq Number: 3030629

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00338	0.00338	mg/kg	10.13.17 18.36	U	1
Toluene	108-88-3	<0.00338	0.00338	mg/kg	10.13.17 18.36	U	1
Ethylbenzene	100-41-4	<0.00338	0.00338	mg/kg	10.13.17 18.36	U	1
m,p-Xylenes	179601-23-1	<0.00676	0.00676	mg/kg	10.13.17 18.36	U	1
o-Xylene	95-47-6	<0.00338	0.00338	mg/kg	10.13.17 18.36	U	1
Total Xylenes	1330-20-7	<0.00338	0.00338	mg/kg	10.13.17 18.36	U	1
Total BTEX		<0.00338	0.00338	mg/kg	10.13.17 18.36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	116	%	80-120	10.13.17 18.36		
1,4-Difluorobenzene	540-36-3	114	%	80-120	10.13.17 18.36		



Flagging Criteria



- 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 **SQL** 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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Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 0004

Analytical Method: Chloride by EPA 300

Seq Number: 3031489

MB Sample Id: 7633253-1-BLK

Matrix: Solid

LCS Sample Id: 7633253-1-BKS

Prep Method: E300P

Date Prep: 10.23.17

LCSD Sample Id: 7633253-1-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	243	97	243	97	90-110	0	20	mg/kg	10.23.17 09:46	

Analytical Method: Chloride by EPA 300

Seq Number: 3031637

MB Sample Id: 7633298-1-BLK

Matrix: Solid

LCS Sample Id: 7633298-1-BKS

Prep Method: E300P

Date Prep: 10.26.17

LCSD Sample Id: 7633298-1-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	239	96	239	96	90-110	0	20	mg/kg	10.27.17 00:40	

Analytical Method: Chloride by EPA 300

Seq Number: 3031489

Parent Sample Id: 565000-001

Matrix: Soil

MS Sample Id: 565000-001 S

Prep Method: E300P

Date Prep: 10.23.17

MSD Sample Id: 565000-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	25.9	245	266	98	266	98	90-110	0	20	mg/kg	10.23.17 10:39	

Analytical Method: Chloride by EPA 300

Seq Number: 3031489

Parent Sample Id: 565000-011

Matrix: Soil

MS Sample Id: 565000-011 S

Prep Method: E300P

Date Prep: 10.23.17

MSD Sample Id: 565000-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1130	249	1310	72	1310	72	90-110	0	20	mg/kg	10.23.17 12:13	X

Analytical Method: Chloride by EPA 300

Seq Number: 3031637

Parent Sample Id: 565000-021

Matrix: Soil

MS Sample Id: 565000-021 S

Prep Method: E300P

Date Prep: 10.26.17

MSD Sample Id: 565000-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<4.90	245	247	101	246	100	90-110	0	20	mg/kg	10.27.17 01:00	

Analytical Method: Chloride by EPA 300

Seq Number: 3031637

Parent Sample Id: 565001-007

Matrix: Soil

MS Sample Id: 565001-007 S

Prep Method: E300P

Date Prep: 10.26.17

MSD Sample Id: 565001-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	24.2	246	262	97	262	97	90-110	0	20	mg/kg	10.27.17 02:35	



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 0004

Analytical Method: TPH By SW8015 Mod

Seq Number: 3030141

MB Sample Id: 7632447-1-BLK

Matrix: Solid

LCS Sample Id: 7632447-1-BKS

Prep Method: TX1005P

Date Prep: 10.10.17

LCSD Sample Id: 7632447-1-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	979	98	948	95	70-135	3	35	mg/kg	10.10.17 15:07	
Diesel Range Organics (DRO)	<15.0	1000	1110	111	1140	114	70-135	3	35	mg/kg	10.10.17 15:07	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	116		107		111		70-135	%	10.10.17 15:07			
o-Terphenyl	117		108		108		70-135	%	10.10.17 15:07			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3031681

MB Sample Id: 7633364-1-BLK

Matrix: Solid

LCS Sample Id: 7633364-1-BKS

Prep Method: TX1005P

Date Prep: 10.25.17

LCSD Sample Id: 7633364-1-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	905	91	936	94	70-135	3	35	mg/kg	10.25.17 19:09	
Diesel Range Organics (DRO)	<15.0	1000	1050	105	1100	110	70-135	5	35	mg/kg	10.25.17 19:09	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits			Units	Analysis Date	
1-Chlorooctane	105		98		104		70-135			%	10.25.17 19:09	
o-Terphenyl	105		96		105		70-135			%	10.25.17 19:09	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3030141

Parent Sample Id: 565000-001

Matrix: Soil

MS Sample Id: 565000-001 S

Prep Method: TX1005P

Date Prep: 10.10.17

MSD Sample Id: 565000-001 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	998	972	97	967	97	70-135	1	35	mg/kg	10.10.17 16:07	
Diesel Range Organics (DRO)	23.4	998	1140	112	1130	111	70-135	1	35	mg/kg	10.10.17 16:07	
Surrogate			MS %Rec	MS Flag		MSD %Rec	MSD Flag		Limits	Units	Analysis Date	
1-Chlorooctane			110			103			70-135	%	10.10.17 16:07	
o-Terphenyl			105			97			70-135	%	10.10.17 16:07	



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 0004

Analytical Method: TPH By SW8015 Mod

Seq Number: 3031681

Parent Sample Id: 565000-004

Matrix: Soil

MS Sample Id: 565000-004 S

Prep Method: TX1005P

Date Prep: 10.25.17

MSD Sample Id: 565000-004 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	973	97	971	97	70-135	0	35	mg/kg	10.25.17 20:08	
Diesel Range Organics (DRO)	69.1	999	1050	98	1040	97	70-135	1	35	mg/kg	10.25.17 20:08	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	100		95		70-135	%	10.25.17 20:08
o-Terphenyl	98		96		70-135	%	10.25.17 20:08

Analytical Method: BTEX by EPA 8021B

Seq Number: 3030405

MB Sample Id: 7632585-1-BLK

Matrix: Solid

LCS Sample Id: 7632585-1-BKS

Prep Method: SW5030B

Date Prep: 10.12.17

LCSD Sample Id: 7632585-1-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	0.0864	86	0.0968	97	70-130	11	35	mg/kg	10.12.17 12:23	
Toluene	<0.00202	0.101	0.0904	90	0.100	100	70-130	10	35	mg/kg	10.12.17 12:23	
Ethylbenzene	<0.00202	0.101	0.0895	89	0.100	100	71-129	11	35	mg/kg	10.12.17 12:23	
m,p-Xylenes	<0.00403	0.202	0.180	89	0.202	101	70-135	12	35	mg/kg	10.12.17 12:23	
o-Xylene	<0.00202	0.101	0.0894	89	0.101	101	71-133	12	35	mg/kg	10.12.17 12:23	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		95		98		80-120	%	10.12.17 12:23
4-Bromofluorobenzene	89		98		96		80-120	%	10.12.17 12:23

Analytical Method: BTEX by EPA 8021B

Seq Number: 3030410

MB Sample Id: 7632587-1-BLK

Matrix: Solid

LCS Sample Id: 7632587-1-BKS

Prep Method: SW5030B

Date Prep: 10.12.17

LCSD Sample Id: 7632587-1-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	0.100	0.0842	84	0.0869	87	70-130	3	35	mg/kg	10.12.17 21:47	
Toluene	<0.00200	0.100	0.0887	89	0.0908	91	70-130	2	35	mg/kg	10.12.17 21:47	
Ethylbenzene	<0.00200	0.100	0.0899	90	0.0913	91	71-129	2	35	mg/kg	10.12.17 21:47	
m,p-Xylenes	<0.00400	0.200	0.181	91	0.184	92	70-135	2	35	mg/kg	10.12.17 21:47	
o-Xylene	<0.00200	0.100	0.0920	92	0.0930	93	71-133	1	35	mg/kg	10.12.17 21:47	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		98		98		80-120	%	10.12.17 21:47
4-Bromofluorobenzene	90		97		98		80-120	%	10.12.17 21:47



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 0004

Analytical Method: BTEX by EPA 8021B

Seq Number: 3030629

MB Sample Id: 7632642-1-BLK

Matrix: Solid

LCS Sample Id: 7632642-1-BKS

Prep Method: SW5030B

Date Prep: 10.13.17

LCSD Sample Id: 7632642-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.0875	88	0.0816	82	70-130	7	35	mg/kg	10.13.17 10:38	
Toluene	<0.00199	0.0994	0.0985	99	0.0888	89	70-130	10	35	mg/kg	10.13.17 10:38	
Ethylbenzene	<0.00199	0.0994	0.0948	95	0.0879	88	71-129	8	35	mg/kg	10.13.17 10:38	
m,p-Xylenes	<0.00398	0.199	0.192	96	0.178	89	70-135	8	35	mg/kg	10.13.17 10:38	
o-Xylene	<0.00199	0.0994	0.0960	97	0.0898	90	71-133	7	35	mg/kg	10.13.17 10:38	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		99		99		80-120	%	10.13.17 10:38
4-Bromofluorobenzene	87		99		101		80-120	%	10.13.17 10:38

Analytical Method: BTEX by EPA 8021B

Seq Number: 3031744

MB Sample Id: 7633415-1-BLK

Matrix: Solid

LCS Sample Id: 7633415-1-BKS

Prep Method: SW5030B

Date Prep: 10.27.17

LCSD Sample Id: 7633415-1-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	0.103	102	0.0897	90	70-130	14	35	mg/kg	10.27.17 11:38	
Toluene	<0.00202	0.101	0.107	106	0.0932	93	70-130	14	35	mg/kg	10.27.17 11:38	
Ethylbenzene	<0.00202	0.101	0.119	118	0.104	104	71-129	13	35	mg/kg	10.27.17 11:38	
m,p-Xylenes	<0.00404	0.202	0.221	109	0.201	100	70-135	9	35	mg/kg	10.27.17 11:38	
o-Xylene	<0.00202	0.101	0.113	112	0.102	102	71-133	10	35	mg/kg	10.27.17 11:38	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	90		99		92		80-120	%	10.27.17 11:38
4-Bromofluorobenzene	82		110		102		80-120	%	10.27.17 11:38

Analytical Method: BTEX by EPA 8021B

Seq Number: 3030405

Parent Sample Id: 565238-027

Matrix: Soil

MS Sample Id: 565238-027 S

Prep Method: SW5030B

Date Prep: 10.12.17

MSD Sample Id: 565238-027 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00353	0.177	0.116	66	0.129	75	70-130	11	35	mg/kg	10.12.17 13:00	X
Toluene	<0.00353	0.177	0.119	67	0.127	74	70-130	7	35	mg/kg	10.12.17 13:00	X
Ethylbenzene	<0.00353	0.177	0.113	64	0.117	68	71-129	3	35	mg/kg	10.12.17 13:00	X
m,p-Xylenes	<0.00707	0.353	0.226	64	0.234	68	70-135	3	35	mg/kg	10.12.17 13:00	X
o-Xylene	<0.00353	0.177	0.113	64	0.120	70	71-133	6	35	mg/kg	10.12.17 13:00	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	82		105		80-120	%	10.12.17 13:00
4-Bromofluorobenzene	83		97		80-120	%	10.12.17 13:00



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 0004

Analytical Method: BTEX by EPA 8021B

Seq Number: 3030410

Parent Sample Id: 565000-013

Matrix: Soil

MS Sample Id: 565000-013 S

Prep Method: SW5030B

Date Prep: 10.12.17

MSD Sample Id: 565000-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.0791	80	0.0790	79	70-130	0	35	mg/kg	10.12.17 22:25	
Toluene	<0.00199	0.0994	0.0805	81	0.0816	82	70-130	1	35	mg/kg	10.12.17 22:25	
Ethylbenzene	<0.00199	0.0994	0.0781	79	0.0786	79	71-129	1	35	mg/kg	10.12.17 22:25	
m,p-Xylenes	<0.00398	0.199	0.157	79	0.158	79	70-135	1	35	mg/kg	10.12.17 22:25	
o-Xylene	<0.00199	0.0994	0.0799	80	0.0805	81	71-133	1	35	mg/kg	10.12.17 22:25	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		93		80-120	%	10.12.17 22:25
4-Bromofluorobenzene	108		103		80-120	%	10.12.17 22:25

Analytical Method: BTEX by EPA 8021B

Seq Number: 3030629

Parent Sample Id: 565001-013

Matrix: Soil

MS Sample Id: 565001-013 S

Prep Method: SW5030B

Date Prep: 10.13.17

MSD Sample Id: 565001-013 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00348	0.174	0.114	66	0.110	64	70-130	4	35	mg/kg	10.13.17 11:18	X
Toluene	<0.00348	0.174	0.118	68	0.119	69	70-130	1	35	mg/kg	10.13.17 11:18	X
Ethylbenzene	<0.00348	0.174	0.103	59	0.111	65	71-129	7	35	mg/kg	10.13.17 11:18	X
m,p-Xylenes	<0.00697	0.348	0.208	60	0.224	65	70-135	7	35	mg/kg	10.13.17 11:18	X
o-Xylene	<0.00348	0.174	0.108	62	0.114	66	71-133	5	35	mg/kg	10.13.17 11:18	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	108		102		80-120	%	10.13.17 11:18
4-Bromofluorobenzene	92		101		80-120	%	10.13.17 11:18

Analytical Method: BTEX by EPA 8021B

Seq Number: 3031744

Parent Sample Id: 566341-001

Matrix: Soil

MS Sample Id: 566341-001 S

Prep Method: SW5030B

Date Prep: 10.27.17

MSD Sample Id: 566341-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	0.00630	0.101	0.0589	52	0.0644	58	70-130	9	35	mg/kg	10.27.17 12:16	X
Toluene	0.0546	0.101	0.0688	14	0.0685	14	70-130	0	35	mg/kg	10.27.17 12:16	X
Ethylbenzene	0.0235	0.101	0.0584	35	0.0668	43	71-129	13	35	mg/kg	10.27.17 12:16	X
m,p-Xylenes	0.124	0.202	0.132	4	0.141	9	70-135	7	35	mg/kg	10.27.17 12:16	X
o-Xylene	0.0410	0.101	0.0641	23	0.0714	30	71-133	11	35	mg/kg	10.27.17 12:16	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	92		92		80-120	%	10.27.17 12:16
4-Bromofluorobenzene	104		84		80-120	%	10.27.17 12:16



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

CHAIN OF CUSTODY RECORD

Page 1 of 3

LAB W.O # :

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
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

Run BTEX if TPH $\leq$ 1,000

Run BTEX if TPH $\leq$ 1.000

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Run BTEX if TPH $\leq 1,000$ Run BTEX if TPH $\leq 1,000$

h Use Only	YES	NO
------------	-----	----

on Wet Ice? _____

Containers used?

0-2-2-1-4

IR ID:R-8

Il past due amounts

Temp: 2.2
CF: (0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 2

[illegible]

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 602-998-8888
ITS 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. All charges 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.

Final 1.001

Page 56 of 59

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

CHAIN OF CUSTODY RECORD

Page 2 of 3

LAB W.O.#:

565000

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 C.
B. HNO₃ F. MeOH J. MCAA
H₂SO₄ G. Na₂S₂O₅ 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
Other _____

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: Fred Turner Jr B 0004 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	Integrity OK (Y/N)	Total # of containers	Example Volatiles by 8260	TPH	BTEX	Chloride	Hold Sample (CALL) on Highest TPH	Run PAH Only
1	SP-4 @ 2'	10/2/17	1046	S			1						
2	SP-4 @ 4'	10/2/17	1048	S			1		X				
3	SP-5 @ 6"	10/2/17	1105	S			1		X				
4	SP-5 @ 2'	10/2/17	1109	S			1						
5	SP-5 @ 4'	10/2/17	1125	S			1		X				
6	SP-6 @ 6"	10/2/17	1203	S			1		X				
7	SP-6 @ 2'	10/2/17	1205	S			1						
8	SP-6 @ 4'	10/2/17	1207	S			1		X				
9	SP-7 @ 6"	10/2/17	1225	S			1		X				
10	SP-8 @ 6"	10/2/17	1240	S			1		X				

Reg. Program / Clean-up Std STATE for Certs & Regs QA/QC Level & Certification
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:
Relinquished by: Duskie Bennett Affiliation: Trinity Date: 10/6/17 Time: 1538
Received by: [Signature] Affiliation: m/s Hobbs Date: 10-6-17 Time: 1541
[Signature] Xenco Date: 10-7-17 Time: 1300

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

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Temp: 2.2
CF:(0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 2

IR ID:R-8

ays, and all past due amounts



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 3 of 3

LAB W.O #: 565000
Field billable Hrs :

Company: Trinity Oilfield Services & Rentals, LLC
Address: P.O. Box 2587
City: Hobbs State: NM Zip: 88241
PM/Attn: Ben J. Arguijo Email: wade.dittrich@oxy.com & ben@trinityoilfieldservices.com
Project ID: Fred Turner Jr B 0004 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

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

ANALYSES REQUESTED

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field Filtered	Integrity OK (Y/N)	Total # of containers	Example Volatiles by 8260	TPH	8015M	BTEX	Chloride	Hold Sample (CALL on Highest TPH)	Run PAH Only
1	SP-8 @ 2'	10/2/17	1242	S			1		X					
2	SP-9 @ 6"	10/2/17	1316	S			1		X					
3	SP-9 @ 2'	10/2/17	1328	S			1		X					
4	SP-9 @ 4'	10/2/17	1334	S			1		X					
5														
6														
7														
8														
9														
0														

* 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

** 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

Run BTEX if TPH <= 1,000
Run BTEX if TPH <= 1,000
Run BTEX if TPH <= 1,000

Reg. Program / Clean-up Std STATE for Certs & Regs QA/QC Level & Certification EDDs COC & Labels Coolers Temp °C
CTLs TRRP DW NPDES LPST DryCln Other: FL TX GA NC SC NJ PA OK 1 2 3 4 CLP AFCEE QAPP NELAC ADAPT SEDD ERPIMS Match Incomplete
LA AL NM Other: DoD-ELAP Other: XLS Other: Absent Unclear
Relinquished by Affiliation Date Time Received by Affiliation Date Time
1 Duskie Bennett Trinity 10/6/17 1538 Sparte M/S Hobbs 10-6-17 1541
2 J. RAMER XORCO 10-7-17 1300
3
4

Lab Use Only YES NO N/A
Non-Conformances found?
Samples intact upon arrival?
Received on Wet Ice?
Labeled with proper preservatives?
Received within holding time?
Custody seals intact?
VOCs rec'd w/o headspace?
Proper containers used?
pH verified-acceptable, excd VOCs?
Received on time to meet HTs?

X&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
TS Service Centers: Atlanta 770-449-8800 Lakeland 863-646-8526 Tampa 803-543-8099 Philadelphia 610-955-5649 South Carolina 803-543-8099

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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

Temp: 2.2
CF: (0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 2

IR ID: R-8

Units



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 10/06/2017 03:41:00 PM

Work Order #: 565000

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)?	.6
#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:

Connie Hernandez

Date: 10/09/2017

Checklist reviewed by:

Holly Taylor

Date: 10/10/2017



Certificate of Analysis Summary 604040

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fred Turner Jr B 0004

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Wed Oct-31-18 11:00 am

Report Date: 12-NOV-18

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	604040-001	604040-002				
	Field Id:	SP-15 @ Surface	SP-15 @ 1'				
	Depth:						
	Matrix:	SOIL	SOIL				
	Sampled:	Oct-30-18 11:50	Oct-30-18 11:51				
BTEX by EPA 8021B	Extracted:	Nov-09-18 16:30	Nov-09-18 16:30				
	Analyzed:	Nov-09-18 23:45	Nov-10-18 00:06				
	Units/RL:	mg/kg RL	mg/kg RL				
Benzene		<0.00200 0.00200	<0.00200 0.00200				
Toluene		0.0306 0.00200	0.00372 0.00200				
Ethylbenzene		0.0178 0.00200	0.0127 0.00200				
m,p-Xylenes		0.0863 0.00399	0.0611 0.00400				
o-Xylene		0.0471 0.00200	0.0140 0.00200				
Total Xylenes		0.133 0.00200	0.0751 0.00200				
Total BTEX		0.182 0.00200	0.0915 0.00200				
Chloride by EPA 300	Extracted:	Nov-01-18 13:00	Nov-01-18 13:00				
	Analyzed:	Nov-01-18 16:27	Nov-01-18 16:33				
	Units/RL:	mg/kg RL	mg/kg RL				
Chloride		71.1 5.01	82.0 5.04				
TPH By SW8015 Mod	Extracted:	Nov-01-18 16:00	Nov-01-18 16:00				
	Analyzed:	Nov-02-18 05:39	Nov-02-18 05:58				
	Units/RL:	mg/kg RL	mg/kg RL				
Gasoline Range Hydrocarbons (GRO)		103 75.0	234 15.0				
Diesel Range Organics (DRO)		9350 75.0	3780 15.0				
Motor Oil Range Hydrocarbons (MRO)		1520 75.0	416 15.0				
Total TPH		11000 75.0	4430 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 604040

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Fred Turner Jr B 0004

12-NOV-18

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):

Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):

Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)

Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)

Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)

Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)

Xenco-Atlanta (LELAP Lab ID #04176)

Xenco-Tampa: Florida (E87429)

Xenco-Lakeland: Florida (E84098)



12-NOV-18

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

Reference: XENCO Report No(s): **604040**
Fred Turner Jr B 0004
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) 604040. 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. 604040 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,

A handwritten signature in black ink that reads 'Holly Taylor'.

Holly Taylor
Project Manager

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

Certified and approved by numerous States and Agencies.

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

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



Sample Cross Reference 604040

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-15 @ Surface	S	10-30-18 11:50		604040-001
SP-15 @ 1'	S	10-30-18 11:51		604040-002



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Fred Turner Jr B 0004

Project ID:
Work Order Number(s): 604040

Report Date: 12-NOV-18
Date Received: 10/31/2018

Sample receipt non conformances and comments:

11/09/2018 Changed Project ID per Ben Arguijo.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3068323 TPH By SW8015 Mod

Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 604040-002,604040-001.

Batch: LBA-3069313 BTEX by EPA 8021B

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

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 604040-002.



Certificate of Analytical Results 604040



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-15 @ Surface**

Matrix: Soil

Date Received: 10.31.18 11.00

Lab Sample Id: 604040-001

Date Collected: 10.30.18 11.50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.01.18 13.00

Basis: Wet Weight

Seq Number: 3068473

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	71.1	5.01	mg/kg	11.01.18 16.27		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.01.18 16.00

Basis: Wet Weight

Seq Number: 3068323

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	103	75.0	mg/kg	11.02.18 05.39		5
Diesel Range Organics (DRO)	C10C28DRO	9350	75.0	mg/kg	11.02.18 05.39		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	1520	75.0	mg/kg	11.02.18 05.39		5
Total TPH	PHC635	11000	75.0	mg/kg	11.02.18 05.39		5
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	84	%	70-135	11.02.18 05.39		
o-Terphenyl	84-15-1	260	%	70-135	11.02.18 05.39	**	



Certificate of Analytical Results 604040



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-15 @ Surface**

Matrix: Soil

Date Received: 10.31.18 11.00

Lab Sample Id: 604040-001

Date Collected: 10.30.18 11.50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.09.18 16.30

Basis: Wet Weight

Seq Number: 3069313

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.09.18 23.45	U	1
Toluene	108-88-3	0.0306	0.00200	mg/kg	11.09.18 23.45		1
Ethylbenzene	100-41-4	0.0178	0.00200	mg/kg	11.09.18 23.45		1
m,p-Xylenes	179601-23-1	0.0863	0.00399	mg/kg	11.09.18 23.45		1
o-Xylene	95-47-6	0.0471	0.00200	mg/kg	11.09.18 23.45		1
Total Xylenes	1330-20-7	0.133	0.00200	mg/kg	11.09.18 23.45		1
Total BTEX		0.182	0.00200	mg/kg	11.09.18 23.45		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	126	%	70-130	11.09.18 23.45		
1,4-Difluorobenzene	540-36-3	120	%	70-130	11.09.18 23.45		



Certificate of Analytical Results 604040



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-15 @ 1'**

Matrix: Soil

Date Received: 10.31.18 11.00

Lab Sample Id: 604040-002

Date Collected: 10.30.18 11.51

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.01.18 13.00

Basis: Wet Weight

Seq Number: 3068473

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	82.0	5.04	mg/kg	11.01.18 16.33		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.01.18 16.00

Basis: Wet Weight

Seq Number: 3068323

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	234	15.0	mg/kg	11.02.18 05.58		1
Diesel Range Organics (DRO)	C10C28DRO	3780	15.0	mg/kg	11.02.18 05.58		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	416	15.0	mg/kg	11.02.18 05.58		1
Total TPH	PHC635	4430	15.0	mg/kg	11.02.18 05.58		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	119	%	70-135	11.02.18 05.58	
o-Terphenyl	84-15-1	155	%	70-135	11.02.18 05.58	**



Certificate of Analytical Results 604040



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-15 @ 1'**

Matrix: Soil

Date Received: 10.31.18 11.00

Lab Sample Id: 604040-002

Date Collected: 10.30.18 11.51

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.09.18 16.30

Basis: Wet Weight

Seq Number: 3069313

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.10.18 00.06	U	1
Toluene	108-88-3	0.00372	0.00200	mg/kg	11.10.18 00.06		1
Ethylbenzene	100-41-4	0.0127	0.00200	mg/kg	11.10.18 00.06		1
m,p-Xylenes	179601-23-1	0.0611	0.00400	mg/kg	11.10.18 00.06		1
o-Xylene	95-47-6	0.0140	0.00200	mg/kg	11.10.18 00.06		1
Total Xylenes	1330-20-7	0.0751	0.00200	mg/kg	11.10.18 00.06		1
Total BTEX		0.0915	0.00200	mg/kg	11.10.18 00.06		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	72	%	70-130	11.10.18 00.06		
4-Bromofluorobenzene	460-00-4	148	%	70-130	11.10.18 00.06	**	



Flagging Criteria



- 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

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 0004

Analytical Method: Chloride by EPA 300

Seq Number: 3068473

MB Sample Id: 7665330-1-BLK

Matrix: Solid

LCS Sample Id: 7665330-1-BKS

Prep Method: E300P

Date Prep: 11.01.18

LCSD Sample Id: 7665330-1-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	269	108	268	107	90-110	0	20	mg/kg	11.01.18 11:56	

Analytical Method: Chloride by EPA 300

Seq Number: 3068473

Parent Sample Id: 604073-002

Matrix: Soil

MS Sample Id: 604073-002 S

Prep Method: E300P

Date Prep: 11.01.18

MSD Sample Id: 604073-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	230	252	470	95	469	95	90-110	0	20	mg/kg	11.01.18 14:57	

Analytical Method: Chloride by EPA 300

Seq Number: 3068473

Parent Sample Id: 604073-003

Matrix: Soil

MS Sample Id: 604073-003 S

Prep Method: E300P

Date Prep: 11.01.18

MSD Sample Id: 604073-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	240	250	484	98	488	99	90-110	1	20	mg/kg	11.01.18 16:11	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3068323

MB Sample Id: 7665325-1-BLK

Matrix: Solid

LCS Sample Id: 7665325-1-BKS

Prep Method: TX1005P

Date Prep: 11.01.18

LCSD Sample Id: 7665325-1-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)	<8.00	1000	1010	101	997	100	70-135	1	20	mg/kg	11.01.18 22:21	
Diesel Range Organics (DRO)	<8.13	1000	1090	109	1070	107	70-135	2	20	mg/kg	11.01.18 22:21	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	99		123		123		70-135	%	11.01.18 22:21
o-Terphenyl	103		114		107		70-135	%	11.01.18 22:21

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * [(C - E) / (C + E)]$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 0004

Analytical Method: TPH By SW8015 Mod

Seq Number: 3068323

Parent Sample Id: 604151-001

Matrix: Soil

MS Sample Id: 604151-001 S

Prep Method: TX1005P

Date Prep: 11.01.18

MSD Sample Id: 604151-001 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)	<7.98	997	988	99	993	99	70-135	1	20	mg/kg	11.01.18 23:18	
Diesel Range Organics (DRO)	8.42	997	1050	104	1060	105	70-135	1	20	mg/kg	11.01.18 23:18	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	126		127		70-135	%	11.01.18 23:18
o-Terphenyl	123		125		70-135	%	11.01.18 23:18

Analytical Method: BTEX by EPA 8021B

Seq Number: 3069313

MB Sample Id: 7665977-1-BLK

Matrix: Solid

LCS Sample Id: 7665977-1-BKS

Prep Method: SW5030B

Date Prep: 11.09.18

LCSD Sample Id: 7665977-1-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	0.100	0.102	102	0.104	103	70-130	2	35	mg/kg	11.09.18 19:47	
Toluene	<0.00200	0.100	0.0854	85	0.0877	87	70-130	3	35	mg/kg	11.09.18 19:47	
Ethylbenzene	<0.00200	0.100	0.107	107	0.109	108	70-130	2	35	mg/kg	11.09.18 19:47	
m,p-Xylenes	<0.00102	0.200	0.223	112	0.225	112	70-130	1	35	mg/kg	11.09.18 19:47	
o-Xylene	<0.00200	0.100	0.118	118	0.120	119	70-130	2	35	mg/kg	11.09.18 19:47	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	108		103		101		70-130	%	11.09.18 19:47
4-Bromofluorobenzene	70		89		87		70-130	%	11.09.18 19:47

Analytical Method: BTEX by EPA 8021B

Seq Number: 3069313

Parent Sample Id: 604417-001

Matrix: Soil

MS Sample Id: 604417-001 S

Prep Method: SW5030B

Date Prep: 11.09.18

MSD Sample Id: 604417-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0992	0.0945	95	0.0858	85	70-130	10	35	mg/kg	11.09.18 20:30	
Toluene	<0.00198	0.0992	0.0779	79	0.0716	71	70-130	8	35	mg/kg	11.09.18 20:30	
Ethylbenzene	<0.00198	0.0992	0.0917	92	0.0824	82	70-130	11	35	mg/kg	11.09.18 20:30	
m,p-Xylenes	<0.00101	0.198	0.183	92	0.164	81	70-130	11	35	mg/kg	11.09.18 20:30	
o-Xylene	<0.00198	0.0992	0.0958	97	0.0851	84	70-130	12	35	mg/kg	11.09.18 20:30	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		106		70-130	%	11.09.18 20:30
4-Bromofluorobenzene	81		76		70-130	%	11.09.18 20:30

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C-A) / B$
 $RPD = 200 * |(C-E) / (C+E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



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
rool-c

Page 1 of 1
LAB W.O #: 1004010
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
PC Plastic Clear	
Other _____	

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: Fred Turner Jr B 0001	PO#: _____
Invoice To: Oxy - Wade Dittrich (575)390-2828	Quote #: _____

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

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

Sampler Name: <u>Ben J. Arguijo</u>	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-15 @ Surface	10/30/18	1150	S			1
2	SP-15 @ 1'	10/30/18	1151	S			1
3							
4							
5							
6							
7							
8							
9							
0							

ANALYSES REQUESTED									
Cont Type* VC	GC	GC	GC						
Pres Type**	I	I	I						
Example Volatiles by 8260	TPH 8015M	BTEX	Chloride						
# Cont	Lab Only:								
	X	See Remarks	X						
	X		X						
				</					

** 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
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	
Run BTEX if TPH <= 1,000	
Run BTEX if TPH <= 1,000	

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							
CTLs	TRRP	DW	NPDES	LPST	DryCln	FL	TX	GA	NC	SC	NJ	PA	OK	1	2	3	4	CLP	AFCEE	QAPP	ADaPT	SEDD	ERPIMS	Match	Incomplete	Absent	Unclear	1	2	3	4	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?		_____			
1						Trinity						10/30/18						1630		Esperanza Gonzalez		Mail Services		10-30-18		4:32		Labeled with proper preservatives?		_____			
2						Esperanza Gonzalez						10/30/18						4:44		Bretel		Gene		10-31-18		11:00		Received within holding time?		_____			
3																												Custody seals intact?		_____			
4																												VOCs rec'd w/o headspace?		_____			
																												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 C.O.C. Serial #
FTS Service Centers: Atlanta 770-449-8800 Lakeland 863-646-8526 Tampa 803-543-8099 Philadelphia 610-955-5649 South Carolina 803-543-8099

41 MAF A

6606 3918 1612

TX-LS LBB

MAFA

HL D

STANDARD OVERNIGHT

WED - 31 OCT HOLD

EXPRESS

DEPT: REF: INV: PO: (432) 563-1800

MIDLAND TX 79711

3600 COUNTY RD 1276 S

FEDEX SHIP CENTER

FEDEX EXPRESS SHIP CENTER

XENCO LABORATORIES

UNITED STATES US

HOBBBS, NM 88240

MAIL SERVICES ETC, LLC

4008 N GRIMES

ORIGIN ID: HOBBA (b/b) 392-/550

SHIP DATE: 30OCT18

ACTWGT: 7.00 LB MAN

CAD: 0909328/CAFE3211

DIMS: 14x11x10 IN

BILL RECIPIENT

CHARGE/DATE/INITIALS



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 10/31/2018 11:00:00 AM

Work Order #: 604040

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
#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:

Brianna Teel

Date: 10/31/2018

Checklist reviewed by:

Holly Taylor

Date: 10/31/2018



Certificate of Analysis Summary 604295

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fred Turner Jr B 0004

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Fri Nov-02-18 10:20 am

Report Date: 09-APR-19

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	604295-001	604295-002	604295-003	604295-004	604295-005	604295-006
	<i>Field Id:</i>	SP-5	SP-6 Floor #1	SP-7	SP-8	SP-9	SP-10
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Oct-30-18 15:50	Oct-30-18 10:00	Oct-30-18 15:36	Oct-30-18 10:55	Oct-30-18 10:30	Oct-30-18 11:00
BTEX by EPA 8021B	<i>Extracted:</i>	Nov-06-18 08:00	Nov-06-18 08:00	Nov-06-18 08:00	Nov-06-18 08:00	Nov-06-18 08:00	Nov-06-18 08:00
	<i>Analyzed:</i>	Nov-06-18 10:48	Nov-06-18 11:24	Nov-06-18 11:49	Nov-06-18 12:36	Nov-06-18 13:21	Nov-06-18 13:53
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199
Toluene		<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199
Ethylbenzene		<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199
m,p-Xylenes		<0.00398 0.00398	<0.00398 0.00398	<0.00399 0.00399	<0.00401 0.00401	<0.00402 0.00402	<0.00398 0.00398
o-Xylene		<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199
Total Xylenes		<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199
Total BTEX		<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199
Chloride by EPA 300	<i>Extracted:</i>	Nov-06-18 15:15	Nov-06-18 15:15	Nov-06-18 15:15	Nov-06-18 15:15	Nov-06-18 15:15	Nov-06-18 15:15
	<i>Analyzed:</i>	Nov-06-18 18:10	Nov-06-18 18:15	Nov-06-18 18:21	Nov-06-18 18:26	Nov-06-18 18:31	Nov-06-18 18:37
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		143 4.98	<4.97 4.97	<4.96 4.96	<4.97 4.97	<5.00 5.00	<4.99 4.99
TPH By SW8015 Mod	<i>Extracted:</i>	Nov-02-18 13:00	Nov-02-18 13:00	Nov-02-18 13:00	Nov-02-18 13:00	Nov-02-18 13:00	Nov-02-18 13:00
	<i>Analyzed:</i>	Nov-02-18 22:21	Nov-02-18 22:40	Nov-02-18 22:59	Nov-02-18 23:18	Nov-02-18 23:38	Nov-03-18 07:02
	<i>Units/RL:</i>	mg/kg RL	mg/kg 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	<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0
Diesel Range Organics (DRO)		15.9 15.0	<15.0 15.0	<14.9 14.9	15.0 15.0	59.2 15.0	139 15.0
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0	25.2 15.0
Total TPH		15.9 15.0	<15.0 15.0	<14.9 14.9	15.0 15.0	59.2 15.0	164 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 - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager



Certificate of Analysis Summary 604295

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fred Turner Jr B 0004

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Fri Nov-02-18 10:20 am

Report Date: 09-APR-19

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	604295-007	604295-008				
	<i>Field Id:</i>	SP-11	SP-12				
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL				
	<i>Sampled:</i>	Oct-30-18 15:12	Oct-30-18 15:18				
BTEX by EPA 8021B	<i>Extracted:</i>	Nov-06-18 08:00	Nov-06-18 08:00				
	<i>Analyzed:</i>	Nov-06-18 14:14	Nov-06-18 15:30				
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				
Benzene		<0.00202 0.00202	<0.00201 0.00201				
Toluene		<0.00202 0.00202	<0.00201 0.00201				
Ethylbenzene		<0.00202 0.00202	<0.00201 0.00201				
m,p-Xylenes		<0.00403 0.00403	<0.00402 0.00402				
o-Xylene		<0.00202 0.00202	<0.00201 0.00201				
Total Xylenes		<0.00202 0.00202	<0.00201 0.00201				
Total BTEX		<0.00202 0.00202	<0.00201 0.00201				
Chloride by EPA 300	<i>Extracted:</i>	Nov-06-18 15:30	Nov-06-18 15:30				
	<i>Analyzed:</i>	Nov-06-18 19:08	Nov-06-18 19:24				
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				
Chloride		<4.98 4.98	5.84 4.97				
TPH By SW8015 Mod	<i>Extracted:</i>	Nov-02-18 13:00	Nov-02-18 13:00				
	<i>Analyzed:</i>	Nov-03-18 00:16	Nov-03-18 00:35				
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL				
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0				
Diesel Range Organics (DRO)		16.8 15.0	15.4 15.0				
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	<15.0 15.0				
Total TPH		16.8 15.0	15.4 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 - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Analytical Report 604295

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Fred Turner Jr B 0004

09-APR-19

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)
Xenco-Lakeland: Florida (E84098)



09-APR-19

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

Reference: XENCO Report No(s): **604295**
Fred Turner Jr B 0004
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) 604295. 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. 604295 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,

A handwritten signature in black ink that reads 'Holly Taylor'.

Holly Taylor
Project Manager

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

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Sample Cross Reference 604295

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-5	S	10-30-18 15:50		604295-001
SP-6 Floor #1	S	10-30-18 10:00		604295-002
SP-7	S	10-30-18 15:36		604295-003
SP-8	S	10-30-18 10:55		604295-004
SP-9	S	10-30-18 10:30		604295-005
SP-10	S	10-30-18 11:00		604295-006
SP-11	S	10-30-18 15:12		604295-007
SP-12	S	10-30-18 15:18		604295-008

**CASE NARRATIVE****Client Name: Trinity Oilfield Services & Rentals, LLC****Project Name: Fred Turner Jr B 0004**

Project ID:
Work Order Number(s): 604295

Report Date: 09-APR-19
Date Received: 11/02/2018

Sample receipt non conformances and comments:

4/2/2019 1.001 Revised to correct Project ID per Ben Arguijo (email). HT

4/4/2019 1.002 Revised to include results for all samples per Ben Arguijo (email). HT

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3068758 BTEX by EPA 8021B

Lab Sample ID 604295-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike. Toluene 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: 604295-001, -002, -003, -004, -005, -006, -007, -008.

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

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

Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene Relative Percent Difference (RPD) between matrix spike and duplicate were above quality control limits.

Samples in the analytical batch are: 604295-001, -002, -003, -004, -005, -006, -007, -008



Certificate of Analytical Results 604295

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-5**
 Lab Sample Id: 604295-001

Matrix: Soil
 Date Collected: 10.30.18 15.50

Date Received: 11.02.18 10.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.06.18 15.15

Basis: Wet Weight

Seq Number: 3068863

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	143	4.98	mg/kg	11.06.18 18.10		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.02.18 13.00

Basis: Wet Weight

Seq Number: 3068439

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.02.18 22.21	U	1
Diesel Range Organics (DRO)	C10C28DRO	15.9	15.0	mg/kg	11.02.18 22.21		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.02.18 22.21	U	1
Total TPH	PHC635	15.9	15.0	mg/kg	11.02.18 22.21		1

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.06.18 08.00

Basis: Wet Weight

Seq Number: 3068758

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.06.18 10.48	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.06.18 10.48	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.06.18 10.48	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.06.18 10.48	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.06.18 10.48	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.06.18 10.48	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.06.18 10.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	109	%	70-130	11.06.18 10.48	
4-Bromofluorobenzene	460-00-4	80	%	70-130	11.06.18 10.48	



Certificate of Analytical Results 604295



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-6 Floor #1**

Matrix: Soil

Date Received: 11.02.18 10.20

Lab Sample Id: 604295-002

Date Collected: 10.30.18 10.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.06.18 15.15

Basis: Wet Weight

Seq Number: 3068863

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.97	4.97	mg/kg	11.06.18 18.15	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.02.18 13.00

Basis: Wet Weight

Seq Number: 3068439

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.02.18 22.40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.02.18 22.40	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.02.18 22.40	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.02.18 22.40	U	1

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.06.18 08.00

Basis: Wet Weight

Seq Number: 3068758

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.06.18 11.24	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.06.18 11.24	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.06.18 11.24	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.06.18 11.24	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.06.18 11.24	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.06.18 11.24	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.06.18 11.24	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	91	%	70-130	11.06.18 11.24	
1,4-Difluorobenzene	540-36-3	126	%	70-130	11.06.18 11.24	



Certificate of Analytical Results 604295



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-7**
Lab Sample Id: 604295-003

Matrix: Soil
Date Collected: 10.30.18 15.36

Date Received: 11.02.18 10.20

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3068863

Date Prep: 11.06.18 15.15

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.96	4.96	mg/kg	11.06.18 18.21	U	1

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3068439

Date Prep: 11.02.18 13.00

Prep Method: TX1005P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	11.02.18 22.59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	11.02.18 22.59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9	mg/kg	11.02.18 22.59	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	11.02.18 22.59	U	1

Analytical Method: BTEX by EPA 8021B

Tech: ALJ

Analyst: ALJ

Seq Number: 3068758

Date Prep: 11.06.18 08.00

Prep Method: SW5030B

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.06.18 11.49	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.06.18 11.49	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.06.18 11.49	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.06.18 11.49	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.06.18 11.49	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.06.18 11.49	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.06.18 11.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	81	%	70-130	11.06.18 11.49	
1,4-Difluorobenzene	540-36-3	113	%	70-130	11.06.18 11.49	



Certificate of Analytical Results 604295

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-8**
 Lab Sample Id: 604295-004

Matrix: Soil
 Date Collected: 10.30.18 10.55

Date Received: 11.02.18 10.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.06.18 15.15

Basis: Wet Weight

Seq Number: 3068863

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.97	4.97	mg/kg	11.06.18 18.26	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.02.18 13.00

Basis: Wet Weight

Seq Number: 3068439

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.02.18 23.18	U	1
Diesel Range Organics (DRO)	C10C28DRO	15.0	15.0	mg/kg	11.02.18 23.18		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.02.18 23.18	U	1
Total TPH	PHC635	15.0	15.0	mg/kg	11.02.18 23.18		1

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.06.18 08.00

Basis: Wet Weight

Seq Number: 3068758

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.06.18 12.36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.06.18 12.36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.06.18 12.36	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.06.18 12.36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.06.18 12.36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.06.18 12.36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.06.18 12.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	81	%	70-130	11.06.18 12.36	
1,4-Difluorobenzene	540-36-3	107	%	70-130	11.06.18 12.36	



Certificate of Analytical Results 604295



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-9**
Lab Sample Id: 604295-005

Matrix: Soil
Date Collected: 10.30.18 10.30

Date Received: 11.02.18 10.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.06.18 15.15

Basis: Wet Weight

Seq Number: 3068863

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.00	5.00	mg/kg	11.06.18 18.31	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.02.18 13.00

Basis: Wet Weight

Seq Number: 3068439

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.02.18 23.38	U	1
Diesel Range Organics (DRO)	C10C28DRO	59.2	15.0	mg/kg	11.02.18 23.38		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.02.18 23.38	U	1
Total TPH	PHC635	59.2	15.0	mg/kg	11.02.18 23.38		1

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.06.18 08.00

Basis: Wet Weight

Seq Number: 3068758

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.06.18 13.21	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.06.18 13.21	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.06.18 13.21	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.06.18 13.21	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.06.18 13.21	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.06.18 13.21	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.06.18 13.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	83	%	70-130	11.06.18 13.21	
1,4-Difluorobenzene	540-36-3	95	%	70-130	11.06.18 13.21	



Certificate of Analytical Results 604295



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-10**
Lab Sample Id: 604295-006

Matrix: Soil
Date Collected: 10.30.18 11.00

Date Received: 11.02.18 10.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.06.18 15.15

Basis: Wet Weight

Seq Number: 3068863

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.99	4.99	mg/kg	11.06.18 18.37	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.02.18 13.00

Basis: Wet Weight

Seq Number: 3068439

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.03.18 07.02	U	1
Diesel Range Organics (DRO)	C10C28DRO	139	15.0	mg/kg	11.03.18 07.02		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	25.2	15.0	mg/kg	11.03.18 07.02		1
Total TPH	PHC635	164	15.0	mg/kg	11.03.18 07.02		1

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.06.18 08.00

Basis: Wet Weight

Seq Number: 3068758

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.06.18 13.53	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.06.18 13.53	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.06.18 13.53	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.06.18 13.53	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.06.18 13.53	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.06.18 13.53	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.06.18 13.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	83	%	70-130	11.06.18 13.53	
1,4-Difluorobenzene	540-36-3	107	%	70-130	11.06.18 13.53	



Certificate of Analytical Results 604295



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-11**
Lab Sample Id: 604295-007

Matrix: Soil
Date Collected: 10.30.18 15.12

Date Received: 11.02.18 10.20

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3068868

Date Prep: 11.06.18 15.30

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.98	4.98	mg/kg	11.06.18 19.08	U	1

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3068439

Date Prep: 11.02.18 13.00

Prep Method: TX1005P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.03.18 00.16	U	1
Diesel Range Organics (DRO)	C10C28DRO	16.8	15.0	mg/kg	11.03.18 00.16		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.03.18 00.16	U	1
Total TPH	PHC635	16.8	15.0	mg/kg	11.03.18 00.16		1

Analytical Method: BTEX by EPA 8021B

Tech: ALJ

Analyst: ALJ

Seq Number: 3068758

Date Prep: 11.06.18 08.00

Prep Method: SW5030B

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.06.18 14.14	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.06.18 14.14	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.06.18 14.14	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.06.18 14.14	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.06.18 14.14	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.06.18 14.14	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.06.18 14.14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	100	%	70-130	11.06.18 14.14	
4-Bromofluorobenzene	460-00-4	88	%	70-130	11.06.18 14.14	



Certificate of Analytical Results 604295



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-12**
Lab Sample Id: 604295-008

Matrix: Soil
Date Collected: 10.30.18 15.18

Date Received: 11.02.18 10.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.06.18 15.30

Basis: Wet Weight

Seq Number: 3068868

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5.84	4.97	mg/kg	11.06.18 19.24		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.02.18 13.00

Basis: Wet Weight

Seq Number: 3068439

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.03.18 00.35	U	1
Diesel Range Organics (DRO)	C10C28DRO	15.4	15.0	mg/kg	11.03.18 00.35		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.03.18 00.35	U	1
Total TPH	PHC635	15.4	15.0	mg/kg	11.03.18 00.35		1

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.06.18 08.00

Basis: Wet Weight

Seq Number: 3068758

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.06.18 15.30	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.06.18 15.30	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.06.18 15.30	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.06.18 15.30	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.06.18 15.30	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.06.18 15.30	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.06.18 15.30	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97	%	70-130	11.06.18 15.30	
4-Bromofluorobenzene	460-00-4	75	%	70-130	11.06.18 15.30	



Flagging Criteria



- 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

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 0004

Analytical Method: Chloride by EPA 300

Seq Number: 3068863

MB Sample Id: 7665601-1-BLK

Matrix: Solid

LCS Sample Id: 7665601-1-BKS

Prep Method: E300P

Date Prep: 11.06.18

LCSD Sample Id: 7665601-1-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	239	96	237	95	90-110	1	20	mg/kg	11.06.18 15:52	

Analytical Method: Chloride by EPA 300

Seq Number: 3068868

MB Sample Id: 7665649-1-BLK

Matrix: Solid

LCS Sample Id: 7665649-1-BKS

Prep Method: E300P

Date Prep: 11.06.18

LCSD Sample Id: 7665649-1-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	239	96	237	95	90-110	1	20	mg/kg	11.06.18 18:58	

Analytical Method: Chloride by EPA 300

Seq Number: 3068863

Parent Sample Id: 604445-003

Matrix: Soil

MS Sample Id: 604445-003 S

Prep Method: E300P

Date Prep: 11.06.18

MSD Sample Id: 604445-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	66.4	250	327	104	323	103	90-110	1	20	mg/kg	11.06.18 16:08	

Analytical Method: Chloride by EPA 300

Seq Number: 3068863

Parent Sample Id: 604445-004

Matrix: Soil

MS Sample Id: 604445-004 S

Prep Method: E300P

Date Prep: 11.06.18

MSD Sample Id: 604445-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	9.55	248	305	119	299	117	90-110	2	20	mg/kg	11.06.18 17:33	X

Analytical Method: Chloride by EPA 300

Seq Number: 3068868

Parent Sample Id: 604295-007

Matrix: Soil

MS Sample Id: 604295-007 S

Prep Method: E300P

Date Prep: 11.06.18

MSD Sample Id: 604295-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.855	249	247	99	251	101	90-110	2	20	mg/kg	11.06.18 19:14	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 0004

Analytical Method: Chloride by EPA 300

Seq Number: 3068868

Parent Sample Id: 604540-003

Matrix: Soil

MS Sample Id: 604540-003 S

Prep Method: E300P

Date Prep: 11.06.18

MSD Sample Id: 604540-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.853	249	273	110	273	110	90-110	0	20	mg/kg	11.06.18 20:28	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3068439

MB Sample Id: 7665416-1-BLK

Matrix: Solid

LCS Sample Id: 7665416-1-BKS

Prep Method: TX1005P

Date Prep: 11.02.18

LCSD Sample Id: 7665416-1-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)	<8.00	1000	993	99	1010	101	70-135	2	20	mg/kg	11.02.18 20:46	
Diesel Range Organics (DRO)	<8.13	1000	1060	106	1070	107	70-135	1	20	mg/kg	11.02.18 20:46	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3068439

Parent Sample Id: 604294-001

Matrix: Soil

MS Sample Id: 604294-001 S

Prep Method: TX1005P

Date Prep: 11.02.18

MSD Sample Id: 604294-001 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)	9.62	999	1020	101	932	93	70-135	9	20	mg/kg	11.02.18 21:42	
Diesel Range Organics (DRO)	<8.12	999	1080	108	1060	106	70-135	2	20	mg/kg	11.02.18 21:42	

Analytical Method: BTEX by EPA 8021B

Seq Number: 3068758

MB Sample Id: 7665607-1-BLK

Matrix: Solid

LCS Sample Id: 7665607-1-BKS

Prep Method: SW5030B

Date Prep: 11.06.18

LCSD Sample Id: 7665607-1-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	0.100	0.0864	86	0.102	101	70-130	17	35	mg/kg	11.06.18 08:35	
Toluene	<0.00200	0.100	0.0706	71	0.0792	78	70-130	11	35	mg/kg	11.06.18 08:35	
Ethylbenzene	<0.00200	0.100	0.0943	94	0.100	99	70-130	6	35	mg/kg	11.06.18 08:35	
m,p-Xylenes	<0.00102	0.200	0.196	98	0.206	102	70-130	5	35	mg/kg	11.06.18 08:35	
o-Xylene	<0.00200	0.100	0.103	103	0.108	107	70-130	5	35	mg/kg	11.06.18 08:35	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	105		102		109		70-130	%	11.06.18 08:35
4-Bromofluorobenzene	75		80		78		70-130	%	11.06.18 08:35

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 $\text{Log Diff.} = \text{Log}(\text{Sample Duplicate}) - \text{Log}(\text{Original Sample})$

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 0004

Analytical Method: BTEX by EPA 8021B

Seq Number: 3068758

Parent Sample Id: 604295-001

Matrix: Soil

MS Sample Id: 604295-001 S

Prep Method: SW5030B

Date Prep: 11.06.18

MSD Sample Id: 604295-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00400	0.200	0.0582	29	0.0926	93	70-130	46	35	mg/kg	11.06.18 09:19	XF
Toluene	<0.00400	0.200	0.0421	21	0.0684	69	70-130	48	35	mg/kg	11.06.18 09:19	XF
Ethylbenzene	<0.00400	0.200	0.0492	25	0.0794	80	70-130	47	35	mg/kg	11.06.18 09:19	XF
m,p-Xylenes	<0.00800	0.400	0.0910	23	0.155	78	70-130	52	35	mg/kg	11.06.18 09:19	XF
o-Xylene	<0.00400	0.200	0.0471	24	0.0811	82	70-130	53	35	mg/kg	11.06.18 09:19	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		115		70-130	%	11.06.18 09:19
4-Bromofluorobenzene	77		84		70-130	%	11.06.18 09:19

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec

CHAIN OF CUSTODY RECORD

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 #: 1004205

Field billable Hrs:

Services & Rentals, LLC

Phone: (575)390-7208

Fax:

State: NM

Zip: 88241

Arguijo

Email: wade.dittrich@oxy.com &
ben@trinityoilfieldservices.com

ed Turner Jr B 0001

PO#:

Oxy - Wade Dittrich (575)390-2828

Quote #:

er Name:

Halcomb

Circle One Event: Daily Weekly Monthly
Quarterly Semi-Annual Annual N/A

TAT Work Days = D Need results by:

Time:

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

ANALYSES REQUESTED

Cont Type
VC

Pres Type

Example
Volatiles by 9260

Cont

Lab Only:

GC

GC

GC

Chloride

TPH 8015M

BTEX

* 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
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

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field Filtered	Integrity OK (Y/N)	Total # of containers	Example Volatiles by 9260	# Cont	Lab Only:
1	SP-5	10/30/18	1550	S			1			X X X
2	SP-6 Floor #1	10/30/18	1000	S			1			X X X
3	SP-7	10/30/18	1536	S			1			X X X
4	SP-8	10/30/18	1055	S			1			X X X
5	SP-9	10/30/18	1030	S			1			X X X
6	SP-10	10/30/18	1100	S			1			X X X
7	SP-11	10/30/18	1512	S			1			X X X
8	SP-12	10/30/18	1518	S			1			X X X
9										
10										

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

1-1,2,2 3

Non-Conformances found?	_____
Samples intact upon arrival?	_____
Received on Wet Ice?	_____
Labeled with proper preservatives?	_____
Received within holding time?	_____
Custody seals intact?	_____
VOCs rec'd w/o headspace?	_____
Proper containers used?	_____
pH verified-acceptable, excl VOCs?	_____
Received on time to meet HTs?	_____

Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
John Halcomb	Trinity	10-31-18	5:00				
	Trinity	11/1/18	16:54:15				
Brian Cox	M.S.	11/1/18	4:30				

SA 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
 TS 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: 11/02/2018 10:20:00 AM

Work Order #: 604295

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)?	-1.2
#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)?	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:

Brianna Teel

Date: 11/02/2018

Checklist reviewed by:

Holly Taylor

Date: 11/02/2018



Certificate of Analysis Summary 605024

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fred Turner Jr B 004

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Fri Nov-09-18 11:00 am

Report Date: 19-NOV-18

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	605024-001	605024-002	605024-003	605024-004	605024-005	605024-006
	<i>Field Id:</i>	PA @ 6"	SP-2 N. Wall	SP-2 S.Wall	SP-2 E.Wall	SP-2 W.Wall	SP-2 Floor
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Nov-01-18 11:38	Nov-05-18 10:58	Nov-05-18 10:15	Nov-05-18 09:10	Nov-05-18 10:00	Nov-05-18 14:35
BTEX by EPA 8021B	<i>Extracted:</i>	Nov-15-18 10:00	Nov-15-18 10:00	Nov-15-18 10:00	Nov-15-18 10:00	Nov-15-18 10:00	Nov-17-18 10:00
	<i>Analyzed:</i>	Nov-15-18 11:45	Nov-15-18 22:13	Nov-15-18 22:35	Nov-15-18 22:56	Nov-15-18 23:20	Nov-17-18 18:55
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202
Toluene		<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202
Ethylbenzene		<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202
m,p-Xylenes		<0.00401 0.00401	<0.00402 0.00402	<0.00401 0.00401	<0.00401 0.00401	<0.00400 0.00400	<0.00403 0.00403
o-Xylene		<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202
Total Xylenes		<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202
Total BTEX		<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202
Chloride by EPA 300	<i>Extracted:</i>	Nov-12-18 15:00	Nov-12-18 16:00	Nov-12-18 16:00	Nov-12-18 16:00	Nov-12-18 16:00	Nov-12-18 16:00
	<i>Analyzed:</i>	Nov-12-18 19:57	Nov-12-18 20:29	Nov-12-18 20:45	Nov-12-18 20:50	Nov-12-18 20:56	Nov-12-18 21:01
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		<4.98 4.98	<4.98 4.98	<4.97 4.97	26.4 4.95	140 4.95	131 4.95
TPH By SW8015 Mod	<i>Extracted:</i>	Nov-09-18 17:00	Nov-09-18 17:00	Nov-09-18 17:00	Nov-09-18 17:00	Nov-09-18 17:00	Nov-09-18 17:00
	<i>Analyzed:</i>	Nov-10-18 20:26	Nov-10-18 21:27	Nov-10-18 21:47	Nov-10-18 22:07	Nov-10-18 22:27	Nov-10-18 22:48
	<i>Units/RL:</i>	mg/kg RL	mg/kg 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	<14.9 14.9	<15.0 15.0
Diesel Range Organics (DRO)		15.9 15.0	42.3 15.0	49.7 15.0	<15.0 15.0	<14.9 14.9	15.5 15.0
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	19.4 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0
Total TPH		15.9 15.0	61.7 15.0	49.7 15.0	<15.0 15.0	<14.9 14.9	15.5 15.0

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Holly Taylor
Project Manager



Certificate of Analysis Summary 605024

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fred Turner Jr B 004

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Fri Nov-09-18 11:00 am

Report Date: 19-NOV-18

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	605024-007	605024-008	605024-009	605024-010	605024-011	605024-012
	<i>Field Id:</i>	SP-4 N.Wall	SP-4 S.Wall	SP-4 E. Wall	SP-4 W.Wall	SP-4 Floor	SP-6 N. Wall
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Nov-02-18 11:43	Nov-02-18 11:41	Nov-02-18 11:39	Nov-02-18 11:46	Nov-02-18 09:15	Nov-01-18 15:50
BTEX by EPA 8021B	<i>Extracted:</i>	Nov-15-18 10:00	Nov-15-18 10:00	Nov-15-18 10:00	Nov-15-18 10:00	Nov-15-18 10:00	Nov-15-18 10:00
	<i>Analyzed:</i>	Nov-15-18 20:38	Nov-15-18 21:07	Nov-15-18 21:29	Nov-15-18 21:51	Nov-15-18 20:16	Nov-15-18 12:06
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	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	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200
Toluene		<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200
Ethylbenzene		<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200
m,p-Xylenes		<0.00399 0.00399	<0.00404 0.00404	<0.00403 0.00403	<0.00403 0.00403	<0.00402 0.00402	<0.00399 0.00399
o-Xylene		<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200
Total Xylenes		<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200
Total BTEX		<0.00200 0.00200	<0.00202 0.00202	<0.00202 0.00202	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200
Chloride by EPA 300	<i>Extracted:</i>	Nov-12-18 16:00	Nov-12-18 16:00	Nov-12-18 16:00	Nov-12-18 16:00	Nov-12-18 16:00	Nov-12-18 16:00
	<i>Analyzed:</i>	Nov-12-18 21:17	Nov-12-18 21:22	Nov-12-18 21:27	Nov-12-18 21:33	Nov-12-18 21:38	Nov-12-18 21:43
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		263 5.00	<4.97 4.97	<4.97 4.97	75.9 4.97	<4.95 4.95	406 5.00
TPH By SW8015 Mod	<i>Extracted:</i>	Nov-09-18 17:00	Nov-09-18 17:00	Nov-09-18 17:00	Nov-09-18 17:00	Nov-09-18 17:00	Nov-09-18 17:00
	<i>Analyzed:</i>	Nov-10-18 23:08	Nov-10-18 23:28	Nov-10-18 23:49	Nov-11-18 00:09	Nov-11-18 15:27	Nov-11-18 01:31
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Diesel Range Organics (DRO)		<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Motor Oil Range Hydrocarbons (MRO)		<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		<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0

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Holly Taylor
Project Manager



Certificate of Analysis Summary 605024

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fred Turner Jr B 004

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Fri Nov-09-18 11:00 am

Report Date: 19-NOV-18

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	605024-013	605024-014	605024-015	605024-016	605024-017	605024-018
	<i>Field Id:</i>	SP-6 S. Wall	SP-6 E. Wall	SP-6 W. Wall	SP-6 Floor #2	SP-13	SP-14
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Nov-01-18 15:20	Nov-01-18 09:45	Nov-01-18 09:50	Nov-01-18 12:15	Nov-01-18 13:15	Nov-01-18 11:42
BTEX by EPA 8021B	<i>Extracted:</i>	Nov-15-18 10:00	Nov-15-18 10:00	Nov-15-18 10:00	Nov-15-18 10:00	Nov-15-18 10:00	Nov-15-18 10:00
	<i>Analyzed:</i>	Nov-15-18 12:27	Nov-15-18 12:51	Nov-15-18 13:20	Nov-15-18 14:13	Nov-15-18 15:06	Nov-15-18 16:25
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200
Toluene		<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200
Ethylbenzene		<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200
m,p-Xylenes		<0.00398 0.00398	<0.00403 0.00403	<0.00402 0.00402	<0.00402 0.00402	<0.00398 0.00398	<0.00399 0.00399
o-Xylene		<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200
Total Xylenes		<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200
Total BTEX		<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200
Chloride by EPA 300	<i>Extracted:</i>	Nov-12-18 16:00	Nov-12-18 16:00	Nov-12-18 16:00	Nov-12-18 16:00	Nov-12-18 16:00	Nov-12-18 16:00
	<i>Analyzed:</i>	Nov-12-18 21:59	Nov-12-18 22:05	Nov-12-18 22:20	Nov-12-18 22:26	Nov-12-18 22:31	Nov-12-18 22:36
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		<5.00 5.00	<4.98 4.98	139 5.00	276 5.00	109 4.96	<4.95 4.95
TPH By SW8015 Mod	<i>Extracted:</i>	Nov-09-18 17:00	Nov-09-18 17:00	Nov-09-18 17:00	Nov-09-18 17:00	Nov-09-18 17:00	Nov-09-18 17:00
	<i>Analyzed:</i>	Nov-11-18 01:51	Nov-11-18 02:11	Nov-11-18 02:31	Nov-11-18 02:52	Nov-11-18 03:12	Nov-11-18 03:32
	<i>Units/RL:</i>	mg/kg RL	mg/kg 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	<15.0 15.0	<15.0 15.0
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	75.6 15.0	50.2 15.0
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	19.3 15.0	22.4 15.0
Total TPH		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	94.9 15.0	72.6 15.0

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Holly Taylor
Project Manager



Certificate of Analysis Summary 605024

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fred Turner Jr B 004

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Fri Nov-09-18 11:00 am

Report Date: 19-NOV-18

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	605024-019	605024-020				
	Field Id:	SP-16	SP-17				
	Depth:						
	Matrix:	SOIL	SOIL				
	Sampled:	Nov-01-18 14:00	Nov-01-18 13:45				
BTEX by EPA 8021B	Extracted:	Nov-15-18 10:00	Nov-15-18 10:00				
	Analyzed:	Nov-15-18 16:52	Nov-15-18 19:50				
	Units/RL:	mg/kg RL	mg/kg RL				
Benzene		<0.00200 0.00200	<0.00202 0.00202				
Toluene		<0.00200 0.00200	<0.00202 0.00202				
Ethylbenzene		<0.00200 0.00200	<0.00202 0.00202				
m,p-Xylenes		<0.00401 0.00401	<0.00403 0.00403				
o-Xylene		<0.00200 0.00200	<0.00202 0.00202				
Total Xylenes		<0.00200 0.00200	<0.00202 0.00202				
Total BTEX		<0.00200 0.00200	<0.00202 0.00202				
Chloride by EPA 300	Extracted:	Nov-12-18 16:00	Nov-12-18 16:00				
	Analyzed:	Nov-12-18 22:42	Nov-12-18 22:47				
	Units/RL:	mg/kg RL	mg/kg RL				
Chloride		<4.98 4.98	<5.00 5.00				
TPH By SW8015 Mod	Extracted:	Nov-09-18 17:00	Nov-09-18 17:00				
	Analyzed:	Nov-11-18 03:53	Nov-11-18 04:13				
	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	<15.0 15.0				
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	<15.0 15.0				
Total TPH		<15.0 15.0	<15.0 15.0				

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

Holly Taylor
Project Manager

Analytical Report 605024

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Fred Turner Jr B 004

19-NOV-18

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):

Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):

Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)

Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)

Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)

Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)

Xenco-Atlanta (LELAP Lab ID #04176)

Xenco-Tampa: Florida (E87429)

Xenco-Lakeland: Florida (E84098)



19-NOV-18

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

Reference: XENCO Report No(s): **605024**
Fred Turner Jr B 004
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) 605024. 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. 605024 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,

A handwritten signature in black ink that reads 'Holly Taylor'.

Holly Taylor
Project Manager

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Certified and approved by numerous States and Agencies.

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

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Sample Cross Reference 605024

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
PA @ 6"	S	11-01-18 11:38		605024-001
SP-2 N. Wall	S	11-05-18 10:58		605024-002
SP-2 S.Wall	S	11-05-18 10:15		605024-003
SP-2 E.Wall	S	11-05-18 09:10		605024-004
SP-2 W.Wall	S	11-05-18 10:00		605024-005
SP-2 Floor	S	11-05-18 14:35		605024-006
SP-4 N.Wall	S	11-02-18 11:43		605024-007
SP-4 S.Wall	S	11-02-18 11:41		605024-008
SP-4 E. Wall	S	11-02-18 11:39		605024-009
SP-4 W.Wall	S	11-02-18 11:46		605024-010
SP-4 Floor	S	11-02-18 09:15		605024-011
SP-6 N. Wall	S	11-01-18 15:50		605024-012
SP-6 S. Wall	S	11-01-18 15:20		605024-013
SP-6 E. Wall	S	11-01-18 09:45		605024-014
SP-6 W. Wall	S	11-01-18 09:50		605024-015
SP-6 Floor #2	S	11-01-18 12:15		605024-016
SP-13	S	11-01-18 13:15		605024-017
SP-14	S	11-01-18 11:42		605024-018
SP-16	S	11-01-18 14:00		605024-019
SP-17	S	11-01-18 13:45		605024-020

**CASE NARRATIVE****Client Name: Trinity Oilfield Services & Rentals, LLC****Project Name: Fred Turner Jr B 004**

Project ID:
Work Order Number(s): 605024

Report Date: 19-NOV-18
Date Received: 11/09/2018

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3069849 BTEX by EPA 8021B

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

Lab Sample ID 605024-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Toluene, m,p-Xylenes recovered below QC limits in the Matrix Spike. Ethylbenzene 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: 605024-001, -002, -003, -004, -005, -007, -008, -009, -010, -011, -012, -013, -014, -015, -016, -017, -018, -019, -020.

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

Batch: LBA-3069968 BTEX by EPA 8021B

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



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **PA @ 6"**
Lab Sample Id: 605024-001

Matrix: Soil
Date Collected: 11.01.18 11.38

Date Received: 11.09.18 11.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.12.18 15.00

Basis: Wet Weight

Seq Number: 3069452

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.98	4.98	mg/kg	11.12.18 19.57	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Seq Number: 3069307

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.10.18 20.26	U	1
Diesel Range Organics (DRO)	C10C28DRO	15.9	15.0	mg/kg	11.10.18 20.26		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.10.18 20.26	U	1
Total TPH	PHC635	15.9	15.0	mg/kg	11.10.18 20.26		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	11.10.18 20.26	
o-Terphenyl	84-15-1	93	%	70-135	11.10.18 20.26	



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **PA @ 6"**
Lab Sample Id: 605024-001

Matrix: Soil
Date Collected: 11.01.18 11.38

Date Received: 11.09.18 11.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.15.18 11.45	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.15.18 11.45	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.15.18 11.45	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.15.18 11.45	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.15.18 11.45	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.15.18 11.45	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.15.18 11.45	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	74	%	70-130	11.15.18 11.45		
1,4-Difluorobenzene	540-36-3	118	%	70-130	11.15.18 11.45		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-2 N. Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-002

Date Collected: 11.05.18 10.58

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.12.18 16.00

Basis: Wet Weight

Seq Number: 3069453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.98	4.98	mg/kg	11.12.18 20.29	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Seq Number: 3069307

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.10.18 21.27	U	1
Diesel Range Organics (DRO)	C10C28DRO	42.3	15.0	mg/kg	11.10.18 21.27		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	19.4	15.0	mg/kg	11.10.18 21.27		1
Total TPH	PHC635	61.7	15.0	mg/kg	11.10.18 21.27		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	11.10.18 21.27	
o-Terphenyl	84-15-1	90	%	70-135	11.10.18 21.27	



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-2 N. Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-002

Date Collected: 11.05.18 10.58

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.15.18 22.13	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.15.18 22.13	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.15.18 22.13	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.15.18 22.13	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.15.18 22.13	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.15.18 22.13	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.15.18 22.13	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	76	%	70-130	11.15.18 22.13		
1,4-Difluorobenzene	540-36-3	107	%	70-130	11.15.18 22.13		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-2 S.Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-003

Date Collected: 11.05.18 10.15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.12.18 16.00

Basis: Wet Weight

Seq Number: 3069453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.97	4.97	mg/kg	11.12.18 20.45	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Seq Number: 3069307

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.10.18 21.47	U	1
Diesel Range Organics (DRO)	C10C28DRO	49.7	15.0	mg/kg	11.10.18 21.47		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.10.18 21.47	U	1
Total TPH	PHC635	49.7	15.0	mg/kg	11.10.18 21.47		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	11.10.18 21.47	
o-Terphenyl	84-15-1	94	%	70-135	11.10.18 21.47	



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-2 S.Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-003

Date Collected: 11.05.18 10.15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.15.18 22.35	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.15.18 22.35	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.15.18 22.35	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.15.18 22.35	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.15.18 22.35	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.15.18 22.35	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.15.18 22.35	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	107	%	70-130	11.15.18 22.35		
4-Bromofluorobenzene	460-00-4	70	%	70-130	11.15.18 22.35		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-2 E.Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-004

Date Collected: 11.05.18 09.10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.12.18 16.00

Basis: Wet Weight

Seq Number: 3069453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	26.4	4.95	mg/kg	11.12.18 20.50		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Seq Number: 3069307

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.10.18 22.07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.10.18 22.07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.10.18 22.07	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.10.18 22.07	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	11.10.18 22.07	
o-Terphenyl	84-15-1	92	%	70-135	11.10.18 22.07	



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-2 E.Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-004

Date Collected: 11.05.18 09.10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.15.18 22.56	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.15.18 22.56	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.15.18 22.56	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.15.18 22.56	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.15.18 22.56	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.15.18 22.56	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.15.18 22.56	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	120	%	70-130	11.15.18 22.56		
4-Bromofluorobenzene	460-00-4	70	%	70-130	11.15.18 22.56		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-2 W.Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-005

Date Collected: 11.05.18 10.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.12.18 16.00

Basis: Wet Weight

Seq Number: 3069453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	140	4.95	mg/kg	11.12.18 20.56		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Seq Number: 3069307

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	11.10.18 22.27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	11.10.18 22.27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9	mg/kg	11.10.18 22.27	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	11.10.18 22.27	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	94	%	70-135	11.10.18 22.27		
o-Terphenyl	84-15-1	95	%	70-135	11.10.18 22.27		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-2 W.Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-005

Date Collected: 11.05.18 10.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.15.18 23.20	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.15.18 23.20	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.15.18 23.20	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	11.15.18 23.20	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.15.18 23.20	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.15.18 23.20	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.15.18 23.20	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	116	%	70-130	11.15.18 23.20		
4-Bromofluorobenzene	460-00-4	70	%	70-130	11.15.18 23.20		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-2 Floor**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-006

Date Collected: 11.05.18 14.35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.12.18 16.00

Basis: Wet Weight

Seq Number: 3069453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	131	4.95	mg/kg	11.12.18 21.01		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Seq Number: 3069307

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.10.18 22.48	U	1
Diesel Range Organics (DRO)	C10C28DRO	15.5	15.0	mg/kg	11.10.18 22.48		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.10.18 22.48	U	1
Total TPH	PHC635	15.5	15.0	mg/kg	11.10.18 22.48		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	11.10.18 22.48	
o-Terphenyl	84-15-1	91	%	70-135	11.10.18 22.48	



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-2 Floor**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-006

Date Collected: 11.05.18 14.35

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.18 10.00

Basis: Wet Weight

Seq Number: 3069968

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.17.18 18.55	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.17.18 18.55	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.17.18 18.55	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.17.18 18.55	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.17.18 18.55	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.17.18 18.55	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.17.18 18.55	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	117	%	70-130	11.17.18 18.55		
1,4-Difluorobenzene	540-36-3	108	%	70-130	11.17.18 18.55		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-4 N.Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-007

Date Collected: 11.02.18 11.43

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.12.18 16.00

Basis: Wet Weight

Seq Number: 3069453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	263	5.00	mg/kg	11.12.18 21.17		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Seq Number: 3069307

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.10.18 23.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.10.18 23.08	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.10.18 23.08	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.10.18 23.08	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	11.10.18 23.08	
o-Terphenyl	84-15-1	93	%	70-135	11.10.18 23.08	



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-4 N.Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-007

Date Collected: 11.02.18 11.43

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.15.18 20.38	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.15.18 20.38	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.15.18 20.38	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.15.18 20.38	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.15.18 20.38	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.15.18 20.38	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.15.18 20.38	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	75	%	70-130	11.15.18 20.38		
1,4-Difluorobenzene	540-36-3	113	%	70-130	11.15.18 20.38		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-4 S.Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-008

Date Collected: 11.02.18 11.41

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.12.18 16.00

Basis: Wet Weight

Seq Number: 3069453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.97	4.97	mg/kg	11.12.18 21.22	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Seq Number: 3069307

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	11.10.18 23.28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	11.10.18 23.28	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9	mg/kg	11.10.18 23.28	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	11.10.18 23.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	11.10.18 23.28	
o-Terphenyl	84-15-1	92	%	70-135	11.10.18 23.28	



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-4 S.Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-008

Date Collected: 11.02.18 11.41

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.15.18 21.07	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.15.18 21.07	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.15.18 21.07	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	11.15.18 21.07	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.15.18 21.07	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.15.18 21.07	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.15.18 21.07	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	73	%	70-130	11.15.18 21.07		
1,4-Difluorobenzene	540-36-3	122	%	70-130	11.15.18 21.07		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-4 E. Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-009

Date Collected: 11.02.18 11.39

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.12.18 16.00

Basis: Wet Weight

Seq Number: 3069453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.97	4.97	mg/kg	11.12.18 21.27	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Seq Number: 3069307

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.10.18 23.49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.10.18 23.49	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.10.18 23.49	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.10.18 23.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	11.10.18 23.49	
o-Terphenyl	84-15-1	94	%	70-135	11.10.18 23.49	



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-4 E. Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-009

Date Collected: 11.02.18 11.39

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.15.18 21.29	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.15.18 21.29	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.15.18 21.29	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.15.18 21.29	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.15.18 21.29	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.15.18 21.29	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.15.18 21.29	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	120	%	70-130	11.15.18 21.29		
4-Bromofluorobenzene	460-00-4	71	%	70-130	11.15.18 21.29		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-4 W.Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-010

Date Collected: 11.02.18 11.46

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.12.18 16.00

Basis: Wet Weight

Seq Number: 3069453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	75.9	4.97	mg/kg	11.12.18 21.33		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Seq Number: 3069307

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.18 00.09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.18 00.09	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.11.18 00.09	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.18 00.09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	11.11.18 00.09	
o-Terphenyl	84-15-1	92	%	70-135	11.11.18 00.09	



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-4 W.Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-010

Date Collected: 11.02.18 11.46

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.15.18 21.51	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.15.18 21.51	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.15.18 21.51	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.15.18 21.51	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.15.18 21.51	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.15.18 21.51	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.15.18 21.51	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	71	%	70-130	11.15.18 21.51		
1,4-Difluorobenzene	540-36-3	112	%	70-130	11.15.18 21.51		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-4 Floor**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-011

Date Collected: 11.02.18 09.15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.12.18 16.00

Basis: Wet Weight

Seq Number: 3069453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.95	4.95	mg/kg	11.12.18 21.38	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Seq Number: 3069307

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.18 15.27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.18 15.27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.11.18 15.27	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.18 15.27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	11.11.18 15.27	
o-Terphenyl	84-15-1	96	%	70-135	11.11.18 15.27	



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-4 Floor**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-011

Date Collected: 11.02.18 09.15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.15.18 20.16	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.15.18 20.16	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.15.18 20.16	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.15.18 20.16	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.15.18 20.16	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.15.18 20.16	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.15.18 20.16	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	110	%	70-130	11.15.18 20.16		
4-Bromofluorobenzene	460-00-4	75	%	70-130	11.15.18 20.16		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-6 N. Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-012

Date Collected: 11.01.18 15.50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.12.18 16.00

Basis: Wet Weight

Seq Number: 3069453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	406	5.00	mg/kg	11.12.18 21.43		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Seq Number: 3069307

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.18 01.31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.18 01.31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.11.18 01.31	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.18 01.31	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	99	%	70-135	11.11.18 01.31		
o-Terphenyl	84-15-1	101	%	70-135	11.11.18 01.31		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-6 N. Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-012

Date Collected: 11.01.18 15.50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.15.18 12.06	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.15.18 12.06	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.15.18 12.06	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.15.18 12.06	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.15.18 12.06	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.15.18 12.06	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.15.18 12.06	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	78	%	70-130	11.15.18 12.06		
1,4-Difluorobenzene	540-36-3	118	%	70-130	11.15.18 12.06		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-6 S. Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-013

Date Collected: 11.01.18 15.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.12.18 16.00

Basis: Wet Weight

Seq Number: 3069453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.00	5.00	mg/kg	11.12.18 21.59	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Seq Number: 3069307

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.18 01.51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.18 01.51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.11.18 01.51	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.18 01.51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	11.11.18 01.51	
o-Terphenyl	84-15-1	92	%	70-135	11.11.18 01.51	



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-6 S. Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-013

Date Collected: 11.01.18 15.20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.15.18 12.27	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.15.18 12.27	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.15.18 12.27	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.15.18 12.27	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.15.18 12.27	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.15.18 12.27	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.15.18 12.27	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	80	%	70-130	11.15.18 12.27		
1,4-Difluorobenzene	540-36-3	104	%	70-130	11.15.18 12.27		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-6 E. Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-014

Date Collected: 11.01.18 09.45

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.12.18 16.00

Basis: Wet Weight

Seq Number: 3069453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.98	4.98	mg/kg	11.12.18 22.05	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Seq Number: 3069307

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.18 02.11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.18 02.11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.11.18 02.11	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.18 02.11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	11.11.18 02.11	
o-Terphenyl	84-15-1	90	%	70-135	11.11.18 02.11	



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-6 E. Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-014

Date Collected: 11.01.18 09.45

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.15.18 12.51	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.15.18 12.51	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.15.18 12.51	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.15.18 12.51	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.15.18 12.51	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.15.18 12.51	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.15.18 12.51	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	102	%	70-130	11.15.18 12.51		
4-Bromofluorobenzene	460-00-4	76	%	70-130	11.15.18 12.51		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-6 W. Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-015

Date Collected: 11.01.18 09.50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.12.18 16.00

Basis: Wet Weight

Seq Number: 3069453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	139	5.00	mg/kg	11.12.18 22.20		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Seq Number: 3069307

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.18 02.31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.18 02.31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.11.18 02.31	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.18 02.31	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	89	%	70-135	11.11.18 02.31		
o-Terphenyl	84-15-1	91	%	70-135	11.11.18 02.31		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-6 W. Wall**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-015

Date Collected: 11.01.18 09.50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.15.18 13.20	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.15.18 13.20	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.15.18 13.20	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.15.18 13.20	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.15.18 13.20	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.15.18 13.20	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.15.18 13.20	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	78	%	70-130	11.15.18 13.20		
1,4-Difluorobenzene	540-36-3	110	%	70-130	11.15.18 13.20		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-6 Floor #2**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-016

Date Collected: 11.01.18 12.15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.12.18 16.00

Basis: Wet Weight

Seq Number: 3069453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	276	5.00	mg/kg	11.12.18 22.26		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Seq Number: 3069307

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.18 02.52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.18 02.52	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.11.18 02.52	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.18 02.52	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	11.11.18 02.52	
o-Terphenyl	84-15-1	107	%	70-135	11.11.18 02.52	



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-6 Floor #2**

Matrix: Soil

Date Received: 11.09.18 11.00

Lab Sample Id: 605024-016

Date Collected: 11.01.18 12.15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.15.18 14.13	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.15.18 14.13	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.15.18 14.13	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.15.18 14.13	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.15.18 14.13	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.15.18 14.13	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.15.18 14.13	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	114	%	70-130	11.15.18 14.13		
4-Bromofluorobenzene	460-00-4	80	%	70-130	11.15.18 14.13		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-13**
Lab Sample Id: 605024-017

Matrix: Soil
Date Collected: 11.01.18 13.15

Date Received: 11.09.18 11.00

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3069453

Prep Method: E300P

% Moisture:

Date Prep: 11.12.18 16.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	109	4.96	mg/kg	11.12.18 22.31		1

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3069307

Prep Method: TX1005P

% Moisture:

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.18 03.12	U	1
Diesel Range Organics (DRO)	C10C28DRO	75.6	15.0	mg/kg	11.11.18 03.12		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	19.3	15.0	mg/kg	11.11.18 03.12		1
Total TPH	PHC635	94.9	15.0	mg/kg	11.11.18 03.12		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	11.11.18 03.12	
o-Terphenyl	84-15-1	93	%	70-135	11.11.18 03.12	



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-13**
Lab Sample Id: 605024-017

Matrix: Soil
Date Collected: 11.01.18 13.15

Date Received: 11.09.18 11.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.15.18 15.06	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.15.18 15.06	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.15.18 15.06	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.15.18 15.06	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.15.18 15.06	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.15.18 15.06	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.15.18 15.06	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	71	%	70-130	11.15.18 15.06		
1,4-Difluorobenzene	540-36-3	116	%	70-130	11.15.18 15.06		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-14**
Lab Sample Id: 605024-018

Matrix: Soil
Date Collected: 11.01.18 11.42

Date Received: 11.09.18 11.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.12.18 16.00

Basis: Wet Weight

Seq Number: 3069453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.95	4.95	mg/kg	11.12.18 22.36	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Seq Number: 3069307

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.18 03.32	U	1
Diesel Range Organics (DRO)	C10C28DRO	50.2	15.0	mg/kg	11.11.18 03.32		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	22.4	15.0	mg/kg	11.11.18 03.32		1
Total TPH	PHC635	72.6	15.0	mg/kg	11.11.18 03.32		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	11.11.18 03.32	
o-Terphenyl	84-15-1	89	%	70-135	11.11.18 03.32	



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-14**
Lab Sample Id: 605024-018

Matrix: Soil
Date Collected: 11.01.18 11.42

Date Received: 11.09.18 11.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.15.18 16.25	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.15.18 16.25	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.15.18 16.25	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.15.18 16.25	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.15.18 16.25	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.15.18 16.25	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.15.18 16.25	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	72	%	70-130	11.15.18 16.25		
1,4-Difluorobenzene	540-36-3	130	%	70-130	11.15.18 16.25		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-16**
Lab Sample Id: 605024-019

Matrix: Soil
Date Collected: 11.01.18 14.00

Date Received: 11.09.18 11.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.12.18 16.00

Basis: Wet Weight

Seq Number: 3069453

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.98	4.98	mg/kg	11.12.18 22.42	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.09.18 17.00

Basis: Wet Weight

Seq Number: 3069307

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.18 03.53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.18 03.53	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.11.18 03.53	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.18 03.53	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	11.11.18 03.53	
o-Terphenyl	84-15-1	88	%	70-135	11.11.18 03.53	



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-16**
Lab Sample Id: 605024-019

Matrix: Soil
Date Collected: 11.01.18 14.00

Date Received: 11.09.18 11.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.15.18 16.52	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.15.18 16.52	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.15.18 16.52	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.15.18 16.52	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.15.18 16.52	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.15.18 16.52	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.15.18 16.52	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	71	%	70-130	11.15.18 16.52		
1,4-Difluorobenzene	540-36-3	115	%	70-130	11.15.18 16.52		



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-17**
Lab Sample Id: 605024-020

Matrix: Soil
Date Collected: 11.01.18 13.45

Date Received: 11.09.18 11.00

Analytical Method: Chloride by EPA 300

Tech: CHE

Analyst: CHE

Seq Number: 3069453

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Date Prep: 11.12.18 16.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.00	5.00	mg/kg	11.12.18 22.47	U	1

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3069307

Prep Method: TX1005P

% Moisture:

Basis: Wet Weight

Date Prep: 11.09.18 17.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.18 04.13	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.18 04.13	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.11.18 04.13	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.18 04.13	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	11.11.18 04.13	
o-Terphenyl	84-15-1	90	%	70-135	11.11.18 04.13	



Certificate of Analytical Results 605024



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-17**
Lab Sample Id: 605024-020

Matrix: Soil
Date Collected: 11.01.18 13.45

Date Received: 11.09.18 11.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.15.18 10.00

Basis: Wet Weight

Seq Number: 3069849

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.15.18 19.50	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.15.18 19.50	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.15.18 19.50	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	11.15.18 19.50	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	11.15.18 19.50	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	11.15.18 19.50	U	1
Total BTEX		<0.00202	0.00202	mg/kg	11.15.18 19.50	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	71	%	70-130	11.15.18 19.50		
1,4-Difluorobenzene	540-36-3	123	%	70-130	11.15.18 19.50		



Flagging Criteria



- 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

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 004

Analytical Method: Chloride by EPA 300

Seq Number: 3069452

MB Sample Id: 7665996-1-BLK

Matrix: Solid

LCS Sample Id: 7665996-1-BKS

Prep Method: E300P

Date Prep: 11.12.18

LCSD Sample Id: 7665996-1-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	263	105	256	102	90-110	3	20	mg/kg	11.12.18 17:24	

Analytical Method: Chloride by EPA 300

Seq Number: 3069453

MB Sample Id: 7666000-1-BLK

Matrix: Solid

LCS Sample Id: 7666000-1-BKS

Prep Method: E300P

Date Prep: 11.12.18

LCSD Sample Id: 7666000-1-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	262	105	261	104	90-110	0	20	mg/kg	11.12.18 20:19	

Analytical Method: Chloride by EPA 300

Seq Number: 3069452

Parent Sample Id: 605006-006

Matrix: Soil

MS Sample Id: 605006-006 S

Prep Method: E300P

Date Prep: 11.12.18

MSD Sample Id: 605006-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	83.6	262	345	100	352	102	90-110	2	20	mg/kg	11.12.18 17:39	

Analytical Method: Chloride by EPA 300

Seq Number: 3069452

Parent Sample Id: 605012-001

Matrix: Soil

MS Sample Id: 605012-001 S

Prep Method: E300P

Date Prep: 11.12.18

MSD Sample Id: 605012-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	125	248	383	104	375	101	90-110	2	20	mg/kg	11.12.18 18:54	

Analytical Method: Chloride by EPA 300

Seq Number: 3069453

Parent Sample Id: 605024-002

Matrix: Soil

MS Sample Id: 605024-002 S

Prep Method: E300P

Date Prep: 11.12.18

MSD Sample Id: 605024-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.855	249	252	101	250	100	90-110	1	20	mg/kg	11.12.18 20:34	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 004

Analytical Method: Chloride by EPA 300

Seq Number: 3069453

Parent Sample Id: 605024-012

Matrix: Soil

MS Sample Id: 605024-012 S

Prep Method: E300P

Date Prep: 11.12.18

MSD Sample Id: 605024-012 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	406	250	640	94	663	103	90-110	4	20	mg/kg	11.12.18 21:49	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3069307

MB Sample Id: 7665958-1-BLK

Matrix: Solid

LCS Sample Id: 7665958-1-BKS

Prep Method: TX1005P

Date Prep: 11.09.18

LCSD Sample Id: 7665958-1-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)	<8.00	1000	975	98	932	93	70-135	5	20	mg/kg	11.10.18 19:45	
Diesel Range Organics (DRO)	<8.13	1000	1020	102	975	98	70-135	5	20	mg/kg	11.10.18 19:45	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	91		119		115		70-135	%	11.10.18 19:45
o-Terphenyl	95		117		111		70-135	%	11.10.18 19:45

Analytical Method: TPH By SW8015 Mod

Seq Number: 3069307

Parent Sample Id: 605024-001

Matrix: Soil

MS Sample Id: 605024-001 S

Prep Method: TX1005P

Date Prep: 11.09.18

MSD Sample Id: 605024-001 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)	<7.98	997	1010	101	1130	113	70-135	11	20	mg/kg	11.10.18 20:46	
Diesel Range Organics (DRO)	15.9	997	1070	106	1140	113	70-135	6	20	mg/kg	11.10.18 20:46	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	127		127		70-135	%	11.10.18 20:46
o-Terphenyl	125		112		70-135	%	11.10.18 20:46

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 004

Analytical Method: BTEX by EPA 8021B

Seq Number: 3069849

MB Sample Id: 7666262-1-BLK

Matrix: Solid

LCS Sample Id: 7666262-1-BKS

Prep Method: SW5030B

Date Prep: 11.15.18

LCSD Sample Id: 7666262-1-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	0.101	0.0888	88	0.0914	91	70-130	3	35	mg/kg	11.15.18 09:33	
Toluene	<0.00201	0.101	0.0791	78	0.0762	76	70-130	4	35	mg/kg	11.15.18 09:33	
Ethylbenzene	<0.00201	0.101	0.0825	82	0.0901	90	70-130	9	35	mg/kg	11.15.18 09:33	
m,p-Xylenes	<0.00102	0.201	0.167	83	0.182	91	70-130	9	35	mg/kg	11.15.18 09:33	
o-Xylene	<0.00201	0.101	0.0981	97	0.0936	94	70-130	5	35	mg/kg	11.15.18 09:33	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	111		110		110		70-130	%	11.15.18 09:33
4-Bromofluorobenzene	79		77		73		70-130	%	11.15.18 09:33

Analytical Method: BTEX by EPA 8021B

Seq Number: 3069968

MB Sample Id: 7666368-1-BLK

Matrix: Solid

LCS Sample Id: 7666368-1-BKS

Prep Method: SW5030B

Date Prep: 11.17.18

LCSD Sample Id: 7666368-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.106	107	0.0981	98	70-130	8	35	mg/kg	11.17.18 12:39	
Toluene	<0.00199	0.0994	0.0936	94	0.0873	87	70-130	7	35	mg/kg	11.17.18 12:39	
Ethylbenzene	<0.00199	0.0994	0.101	102	0.0954	96	70-130	6	35	mg/kg	11.17.18 12:39	
m,p-Xylenes	<0.00398	0.199	0.195	98	0.185	93	70-130	5	35	mg/kg	11.17.18 12:39	
o-Xylene	<0.00199	0.0994	0.0981	99	0.0932	93	70-130	5	35	mg/kg	11.17.18 12:39	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		100		100		70-130	%	11.17.18 12:39
4-Bromofluorobenzene	107		115		116		70-130	%	11.17.18 12:39

Analytical Method: BTEX by EPA 8021B

Seq Number: 3069849

Parent Sample Id: 605024-001

Matrix: Soil

MS Sample Id: 605024-001 S

Prep Method: SW5030B

Date Prep: 11.15.18

MSD Sample Id: 605024-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0955	96	0.102	102	70-130	7	35	mg/kg	11.15.18 10:19	
Toluene	<0.00199	0.0996	0.0671	67	0.0723	72	70-130	7	35	mg/kg	11.15.18 10:19	X
Ethylbenzene	<0.00199	0.0996	0.0562	56	0.0610	61	70-130	8	35	mg/kg	11.15.18 10:19	X
m,p-Xylenes	<0.00101	0.199	0.123	62	0.146	73	70-130	17	35	mg/kg	11.15.18 10:19	X
o-Xylene	<0.00199	0.0996	0.0705	71	0.0818	82	70-130	15	35	mg/kg	11.15.18 10:19	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	112		105		70-130	%	11.15.18 10:19
4-Bromofluorobenzene	85		72		70-130	%	11.15.18 10:19

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200 * |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 004

Analytical Method: BTEX by EPA 8021B

Seq Number: 3069968

Parent Sample Id: 605663-001

Matrix: Soil

MS Sample Id: 605663-001 S

Prep Method: SW5030B

Date Prep: 11.17.18

MSD Sample Id: 605663-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00488	0.244	0.00910	4	0.00833	8	70-130	9	35	mg/kg	11.17.18 13:18	X
Toluene	<0.00488	0.244	0.00812	3	0.00674	7	70-130	19	35	mg/kg	11.17.18 13:18	X
Ethylbenzene	<0.00488	0.244	0.00910	4	0.00736	7	70-130	21	35	mg/kg	11.17.18 13:18	X
m,p-Xylenes	<0.00247	0.488	0.0196	4	0.0152	8	70-130	25	35	mg/kg	11.17.18 13:18	X
o-Xylene	<0.00488	0.244	0.0108	4	0.00815	8	70-130	28	35	mg/kg	11.17.18 13:18	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		109		70-130	%	11.17.18 13:18
4-Bromofluorobenzene	130		125		70-130	%	11.17.18 13:18

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



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 2

LAB W.O #:

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
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: Fred Turner Jr B 0004		PO#:	
Invoice To: Oxy - Wade Dittrich (575)390-2828		Quote #:	
Sampler Name: Josh Halcomb		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	PA @ 6"	11-1-18	11:38	S			1
2	SP-2 N. WALL	11-5-18	10:58	S			1
3	SP-2 S. WALL	11-5-18	10:15	S			1
4	SP-2 E. WALL	11-5-18	9:10	S			1
5	SP-2 W. WALL	11-5-18	10:00	S			1
6	SP-2 Floor	11-5-18	2:35	S			1
7	SP-4 N. WALL	11-2-18	11:43	S			1
8	SP-4 S. WALL	11-2-18	11:41	S			1
9	SP-4 E. WALL	11-2-18	11:39	S			1
0	SP-4 W. WALL	11-2-18	11:46	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									
Cont Type * VC	GC	GC	GC						
Pres Type **	I	I	I						
Example Volatiles by 8260	Chloride	TPH 8015M	BTEX						
# Cont	Lab Only:								
	X	X	X						
	X	X	X						
	X	X	X						
	X	X	X						
	X	X	X						
	X	X	X						
	X	X	X						
	X	X	X						
	X	X	X						

Reg. Program / Clean-up Std						STATE for Certs & Regs								QA/QC Level & Certification								EDDs			COC & Labels		Coolers Temp °C		Lab Use Only		YES NO NA				
CTLs	TRRP	DW	NPDES	LPST	DryCln	FL	TX	GA	NC	SC	NJ	PA	OK	1	2	3	4	CLP	AFCEE	QAPP	ADaPT	SEDD	ERPIMS	Match	Incomplete	103 2128 300		Non-Conformances found?		_____					
Other:						LA	AL	NM	Other:					NELAC	DoD-ELAP	Other:						XLS	Other:	Absent	Unclear			Samples intact upon arrival?		_____					
Relinquished by						Affiliation								Date				Time				Received by			Affiliation		Date		Time		Received on Wet Ice?		_____		
1	Josh Halcomb						Trinity								11-8-18				3:28				J. Brown			MS		11-8-18		3:30		Labeled with proper preservatives?		_____	
2	J. Brown						MS								11-8-18				4:45				J. Brown			Xenco		11-9-18		11:00		Received within holding time?		_____	
3																																Custody seals intact?		_____	
4																																VOCs rec'd w/o headspace?		_____	
																																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

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

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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

Page 2 of 2

LAB W.O # :

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

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
C. H_2SO_4 G. $\text{Na}_2\text{S}_2\text{O}_3$ K. $\text{ZnAc}\&\text{NaOH}$
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		

Other _____

REMARKS

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.ditrich@oxy.com & ben@trinityoilfieldservices.com							
Project ID: Fred Turner Jr B 0004						PO#:							
Invoice To: Oxy - Wade Dittrich (575)390-2828						Quote #:							
Sampler Name: Josh Halcomb						Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A							
						Matrix Code ^							
						Field Filtered Integrity OK (Y/N)							
						Total # of containers							
Sample #						Sample ID							
						Collect Date							
						Collect Time							
						# Cont.							
						Lab Only:							
1 SP-4 Floor						11-2-18 9:15 S							
2 SP-6 N.WALL						11-1-18 3:50 S							
3 SP-6 S.WALL						11-1-18 3:20 S							
4 SP-6 E WALL						11-1-18 9:45 S							
5 SP-6 W. WALL						11-1-18 9:50 S							
6 SP-6 Floor #2						11-1-18 12:15 S							
7 SP-13						11-1-18 1:15 S							
8 SP-14						11-1-18 11:42 S							
9 SP-16						11-1-18 2:00 S							
0 SP-17						11-1-18 1:45 S							
Reg. Program / Clean-up Std						STATE for Certs & Regs							
CTLs TRRP DW NPDES LPST DryCin						QA/QC Level & Certification							
Other:						FL TX GA NC SC NJ PA OK LA AL NM Other:							
						1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:							
						EDDs							
						Match Incomplete Absent Unclear							
						Coolers Temp °C							
						Lab Use Only YES NO N/A							
						Non-Conformances found?							
						Samples intact upon arrival?							
						Received on Wet Ice?							
						Labeled with proper preservatives?							
						Received within holding time?							
						Custody seals intact?							
						VOCs rec'd w/o headspace?							
						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 #

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Revision Date: Nov 12, 2009

Final 1.000

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ORIGIN ID: H0BA (575) 392-7550
 **MAIL SERVICES ETC, LLC
 4008 N GRIMES
 HOBBS NM 88240
 UNITED STATES US

SHIP DATE: 08NOV18
 ACTWGT: 33.00 LB MAX
 CAD: 0909328/CAFE3211
 DIMS: 26x15x14 IN

BILL RECIPIENT

TO XENCO LABORATORIES
 FEDEX EXPRESS SHIP CENTER
 FEDEX SHIP CENTER
 3600 COUNTY RD 1276 S
 MIDLAND TX 79711

REF: (432) 563-1800

DEPT: INV: PO:

FedEx Express

FRI - 09 NOV HOLD
 STANDARD OVERNIGHT HLD
 MAFA
 TX-US LBB

TRK# 4705 2519 3120
 0201

41 MAFA

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Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 11/09/2018 11:00:00 AM

Work Order #: 605024

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)?	.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:

Brianna Teel

Date: 11/09/2018

Checklist reviewed by:

Holly Taylor

Date: 11/10/2018



Certificate of Analysis Summary 605825

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fred Turner Jr B 004

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Fri Nov-16-18 01:39 pm

Report Date: 27-NOV-18

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	605825-001	605825-002	605825-003	605825-004	605825-005	605825-006
	Field Id:	SP-15 N.E Wall	SP-15 N.W Wall	SP-15 S.E Wall	SP-15 S.W Wall	SP-15 W. Wall	SP-15 W. Floor
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Nov-14-18 13:12	Nov-14-18 13:10	Nov-14-18 13:16	Nov-14-18 13:14	Nov-14-18 13:17	Nov-14-18 12:30
BTEX by EPA 8021B	Extracted:	Nov-20-18 11:00	Nov-20-18 11:00	Nov-20-18 11:00	Nov-20-18 11:00	Nov-20-18 11:00	Nov-20-18 11:00
	Analyzed:	Nov-20-18 14:11	Nov-20-18 14:32	Nov-20-18 14:53	Nov-20-18 15:14	Nov-20-18 15:36	Nov-20-18 23:08
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	<0.0199 0.0199
Toluene		<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	0.218 0.0199
Ethylbenzene		<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202	<0.00200 0.00200	<0.00201 0.00201	0.233 0.0199
m,p-Xylenes		<0.00398 0.00398	<0.00398 0.00398	<0.00404 0.00404	<0.00401 0.00401	<0.00402 0.00402	1.42 0.0398
o-Xylene		<0.00199 0.00199	<0.00199 0.00199	0.00253 0.00202	<0.00200 0.00200	<0.00201 0.00201	0.815 0.0199
Total Xylenes		<0.00199 0.00199	<0.00199 0.00199	0.00253 0.00202	<0.00200 0.00200	<0.00201 0.00201	2.24 0.0199
Total BTEX		<0.00199 0.00199	<0.00199 0.00199	0.00253 0.00202	<0.00200 0.00200	<0.00201 0.00201	2.69 0.0199
Chloride by EPA 300	Extracted:	Nov-19-18 16:30	Nov-19-18 16:30	Nov-19-18 16:30	Nov-19-18 16:30	Nov-21-18 08:30	Nov-21-18 08:30
	Analyzed:	Nov-20-18 02:08	Nov-20-18 02:14	Nov-20-18 02:21	Nov-20-18 02:27	Nov-21-18 09:58	Nov-21-18 10:17
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		<5.00 5.00	25.2 4.95	<4.98 4.98	<5.00 5.00	65.9 4.99	<4.97 4.97
TPH By SW8015 Mod	Extracted:	Nov-16-18 17:00	Nov-16-18 17:00	Nov-16-18 17:00	Nov-16-18 17:00	Nov-16-18 17:00	Nov-16-18 17:00
	Analyzed:	Nov-18-18 09:00	Nov-18-18 09:18	Nov-18-18 09:36	Nov-18-18 09:54	Nov-18-18 10:12	Nov-18-18 10:30
	Units/RL:	mg/kg RL	mg/kg 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	<15.0 15.0	490 74.9
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	43.0 15.0	2970 74.9
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	144 74.9
Total TPH		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	43.0 15.0	3600 74.9

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



Certificate of Analysis Summary 605825

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fred Turner Jr B 004

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Fri Nov-16-18 01:39 pm

Report Date: 27-NOV-18

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	605825-007	605825-008	605825-009	605825-010	605825-011	
	Field Id:	SP-15 E. Wall	SP-15 E.Floor	SP-15 @ 4'	SP-15 @5'	SP-15 @7'	
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	
	Sampled:	Nov-14-18 15:34	Nov-14-18 15:35	Nov-15-18 13:21	Nov-15-18 13:23	Nov-15-18 11:40	
BTEX by EPA 8021B	Extracted:	Nov-20-18 11:00	Nov-20-18 11:00	Nov-20-18 11:00	Nov-20-18 11:00	Nov-21-18 09:00	
	Analyzed:	Nov-20-18 18:51	Nov-20-18 17:27	Nov-20-18 23:37	Nov-20-18 19:13	*** ** *	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Benzene		<0.00200 0.00200	0.0590 0.0502	<0.0201 0.0201	<0.00199 0.00199	<0.00200 0.00200	
Toluene		<0.00200 0.00200	4.06 0.0502	0.838 0.0201	0.0134 0.00199	<0.00200 0.00200	
Ethylbenzene		<0.00200 0.00200	1.79 0.0502	1.65 0.0201	0.0429 0.00199	<0.00200 0.00200	
m,p-Xylenes		0.00510 0.00399	13.3 0.100	4.42 0.0402	0.162 0.00398	<0.00399 0.00399	
o-Xylene		<0.00200 0.00200	8.17 0.0502	2.92 0.0201	0.0993 0.00199	<0.00200 0.00200	
Total Xylenes		0.00510 0.00200	21.5 0.0502	7.34 0.0201	0.261 0.00199	<0.00200 0.00200	
Total BTEX		0.00510 0.00200	27.4 0.0502	9.83 0.0201	0.318 0.00199	<0.00200 0.00200	
Chloride by EPA 300	Extracted:	Nov-21-18 08:30	Nov-21-18 08:30	Nov-21-18 08:30	Nov-21-18 08:30	Nov-21-18 08:30	
	Analyzed:	Nov-21-18 10:23	Nov-21-18 10:29	Nov-21-18 10:35	Nov-21-18 10:54	Nov-21-18 11:00	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		<5.00 5.00	33.6 5.00	271 5.03	86.3 4.96	<4.95 4.95	
TPH By SW8015 Mod	Extracted:	Nov-16-18 17:00	Nov-16-18 17:00	Nov-16-18 17:00	Nov-16-18 17:00	Nov-16-18 16:00	
	Analyzed:	Nov-18-18 10:48	Nov-18-18 11:07	Nov-18-18 11:25	Nov-18-18 11:43	Nov-18-18 02:59	
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	1350 74.9	730 74.7	95.5 15.0	<15.0 15.0	
Diesel Range Organics (DRO)		<15.0 15.0	5220 74.9	2950 74.7	764 15.0	60.1 15.0	
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	234 74.9	125 74.7	27.9 15.0	<15.0 15.0	
Total TPH		<15.0 15.0	6800 74.9	3810 74.7	887 15.0	60.1 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 605825

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Fred Turner Jr B 004

27-NOV-18

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429)
Xenco-Lakeland: Florida (E84098)



27-NOV-18

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

Reference: XENCO Report No(s): **605825**
Fred Turner Jr B 004
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) 605825. 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. 605825 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,

A handwritten signature in black ink that reads 'Holly Taylor'.

Holly Taylor
Project Manager

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

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Sample Cross Reference 605825

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-15 N.E Wall	S	11-14-18 13:12		605825-001
SP-15 N.W Wall	S	11-14-18 13:10		605825-002
SP-15 S.E Wall	S	11-14-18 13:16		605825-003
SP-15 S.W Wall	S	11-14-18 13:14		605825-004
SP-15 W. Wall	S	11-14-18 13:17		605825-005
SP-15 W. Floor	S	11-14-18 12:30		605825-006
SP-15 E. Wall	S	11-14-18 15:34		605825-007
SP-15 E.Floor	S	11-14-18 15:35		605825-008
SP-15 @ 4'	S	11-15-18 13:21		605825-009
SP-15 @5'	S	11-15-18 13:23		605825-010
SP-15 @7'	S	11-15-18 11:40		605825-011

**CASE NARRATIVE****Client Name: Trinity Oilfield Services & Rentals, LLC****Project Name: Fred Turner Jr B 004**Project ID:
Work Order Number(s): 605825Report Date: 27-NOV-18
Date Received: 11/16/2018**Sample receipt non conformances and comments:**

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3070137 TPH By SW8015 Mod

Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 605825-006,605825-009,605825-008.

Batch: LBA-3070399 BTEX by EPA 8021B

Surrogate 1,4-Difluorobenzene recovered below QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 605825-006.

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 605825-009,605825-007,605825-008.

Lab Sample ID 605825-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene 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: 605825-001, -002, -003, -004, -005, -006, -007, -008, -009, -010.

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

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

Batch: LBA-3070531 BTEX by EPA 8021B

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

Lab Sample ID 605825-011 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene recovered above QC limits in the Matrix Spike. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 605825-011.

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



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 N.E Wall**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-001

Date Collected: 11.14.18 13.12

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.19.18 16.30

Basis: Wet Weight

Seq Number: 3070271

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.00	5.00	mg/kg	11.20.18 02.08	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.16.18 17.00

Basis: Wet Weight

Seq Number: 3070137

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.18.18 09.00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.18.18 09.00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.18.18 09.00	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.18.18 09.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	11.18.18 09.00	
o-Terphenyl	84-15-1	94	%	70-135	11.18.18 09.00	



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 N.E Wall**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-001

Date Collected: 11.14.18 13.12

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.20.18 11.00

Basis: Wet Weight

Seq Number: 3070399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.20.18 14.11	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.20.18 14.11	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.20.18 14.11	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.20.18 14.11	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.20.18 14.11	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.20.18 14.11	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.20.18 14.11	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	76	%	70-130	11.20.18 14.11		
1,4-Difluorobenzene	540-36-3	99	%	70-130	11.20.18 14.11		



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 N.W Wall**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-002

Date Collected: 11.14.18 13.10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.19.18 16.30

Basis: Wet Weight

Seq Number: 3070271

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	25.2	4.95	mg/kg	11.20.18 02.14		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.16.18 17.00

Basis: Wet Weight

Seq Number: 3070137

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.18.18 09.18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.18.18 09.18	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.18.18 09.18	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.18.18 09.18	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	91	%	70-135	11.18.18 09.18		
o-Terphenyl	84-15-1	95	%	70-135	11.18.18 09.18		



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 N.W Wall**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-002

Date Collected: 11.14.18 13.10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.20.18 11.00

Basis: Wet Weight

Seq Number: 3070399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.20.18 14.32	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	11.20.18 14.32	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	11.20.18 14.32	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	11.20.18 14.32	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	11.20.18 14.32	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	11.20.18 14.32	U	1
Total BTEX		<0.00199	0.00199	mg/kg	11.20.18 14.32	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	77	%	70-130	11.20.18 14.32		
1,4-Difluorobenzene	540-36-3	114	%	70-130	11.20.18 14.32		



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 S.E Wall**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-003

Date Collected: 11.14.18 13.16

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.19.18 16.30

Basis: Wet Weight

Seq Number: 3070271

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.98	4.98	mg/kg	11.20.18 02.21	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.16.18 17.00

Basis: Wet Weight

Seq Number: 3070137

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.18.18 09.36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.18.18 09.36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.18.18 09.36	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.18.18 09.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	11.18.18 09.36	
o-Terphenyl	84-15-1	94	%	70-135	11.18.18 09.36	



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 S.E Wall**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-003

Date Collected: 11.14.18 13.16

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.20.18 11.00

Basis: Wet Weight

Seq Number: 3070399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	11.20.18 14.53	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	11.20.18 14.53	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	11.20.18 14.53	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	11.20.18 14.53	U	1
o-Xylene	95-47-6	0.00253	0.00202	mg/kg	11.20.18 14.53		1
Total Xylenes	1330-20-7	0.00253	0.00202	mg/kg	11.20.18 14.53		1
Total BTEX		0.00253	0.00202	mg/kg	11.20.18 14.53		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	116	%	70-130	11.20.18 14.53		
4-Bromofluorobenzene	460-00-4	74	%	70-130	11.20.18 14.53		



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 S.W Wall**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-004

Date Collected: 11.14.18 13.14

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.19.18 16.30

Basis: Wet Weight

Seq Number: 3070271

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.00	5.00	mg/kg	11.20.18 02.27	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.16.18 17.00

Basis: Wet Weight

Seq Number: 3070137

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.18.18 09.54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.18.18 09.54	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.18.18 09.54	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.18.18 09.54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	11.18.18 09.54	
o-Terphenyl	84-15-1	92	%	70-135	11.18.18 09.54	



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 S.W Wall**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-004

Date Collected: 11.14.18 13.14

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.20.18 11.00

Basis: Wet Weight

Seq Number: 3070399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.20.18 15.14	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.20.18 15.14	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.20.18 15.14	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	11.20.18 15.14	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.20.18 15.14	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.20.18 15.14	U	1
Total BTEX		<0.00200	0.00200	mg/kg	11.20.18 15.14	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	112	%	70-130	11.20.18 15.14		
4-Bromofluorobenzene	460-00-4	78	%	70-130	11.20.18 15.14		



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 W. Wall**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-005

Date Collected: 11.14.18 13.17

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.21.18 08.30

Basis: Wet Weight

Seq Number: 3070599

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	65.9	4.99	mg/kg	11.21.18 09.58		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.16.18 17.00

Basis: Wet Weight

Seq Number: 3070137

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.18.18 10.12	U	1
Diesel Range Organics (DRO)	C10C28DRO	43.0	15.0	mg/kg	11.18.18 10.12		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.18.18 10.12	U	1
Total TPH	PHC635	43.0	15.0	mg/kg	11.18.18 10.12		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	11.18.18 10.12	
o-Terphenyl	84-15-1	101	%	70-135	11.18.18 10.12	



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 W. Wall**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-005

Date Collected: 11.14.18 13.17

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.20.18 11.00

Basis: Wet Weight

Seq Number: 3070399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	11.20.18 15.36	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	11.20.18 15.36	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	11.20.18 15.36	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	11.20.18 15.36	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	11.20.18 15.36	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	11.20.18 15.36	U	1
Total BTEX		<0.00201	0.00201	mg/kg	11.20.18 15.36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	116	%	70-130	11.20.18 15.36		
4-Bromofluorobenzene	460-00-4	81	%	70-130	11.20.18 15.36		



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 W. Floor**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-006

Date Collected: 11.14.18 12.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.21.18 08.30

Basis: Wet Weight

Seq Number: 3070599

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.97	4.97	mg/kg	11.21.18 10.17	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.16.18 17.00

Basis: Wet Weight

Seq Number: 3070137

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	490	74.9	mg/kg	11.18.18 10.30		5
Diesel Range Organics (DRO)	C10C28DRO	2970	74.9	mg/kg	11.18.18 10.30		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	144	74.9	mg/kg	11.18.18 10.30		5
Total TPH	PHC635	3600	74.9	mg/kg	11.18.18 10.30		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	125	%	70-135	11.18.18 10.30	
o-Terphenyl	84-15-1	140	%	70-135	11.18.18 10.30	**



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 W. Floor**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-006

Date Collected: 11.14.18 12.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.20.18 11.00

Basis: Wet Weight

Seq Number: 3070399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0199	0.0199	mg/kg	11.20.18 23.08	U	10
Toluene	108-88-3	0.218	0.0199	mg/kg	11.20.18 23.08		10
Ethylbenzene	100-41-4	0.233	0.0199	mg/kg	11.20.18 23.08		10
m,p-Xylenes	179601-23-1	1.42	0.0398	mg/kg	11.20.18 23.08		10
o-Xylene	95-47-6	0.815	0.0199	mg/kg	11.20.18 23.08		10
Total Xylenes	1330-20-7	2.24	0.0199	mg/kg	11.20.18 23.08		10
Total BTEX		2.69	0.0199	mg/kg	11.20.18 23.08		10
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	121	%	70-130	11.20.18 23.08		
1,4-Difluorobenzene	540-36-3	69	%	70-130	11.20.18 23.08	***	



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 E. Wall**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-007

Date Collected: 11.14.18 15.34

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.21.18 08.30

Basis: Wet Weight

Seq Number: 3070599

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.00	5.00	mg/kg	11.21.18 10.23	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.16.18 17.00

Basis: Wet Weight

Seq Number: 3070137

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.18.18 10.48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.18.18 10.48	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.18.18 10.48	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.18.18 10.48	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	11.18.18 10.48	
o-Terphenyl	84-15-1	97	%	70-135	11.18.18 10.48	



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 E. Wall**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-007

Date Collected: 11.14.18 15.34

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.20.18 11.00

Basis: Wet Weight

Seq Number: 3070399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.20.18 18.51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.20.18 18.51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.20.18 18.51	U	1
m,p-Xylenes	179601-23-1	0.00510	0.00399	mg/kg	11.20.18 18.51		1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.20.18 18.51	U	1
Total Xylenes	1330-20-7	0.00510	0.00200	mg/kg	11.20.18 18.51		1
Total BTEX		0.00510	0.00200	mg/kg	11.20.18 18.51		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	123	%	70-130	11.20.18 18.51		
4-Bromofluorobenzene	460-00-4	147	%	70-130	11.20.18 18.51	**	



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 E.Floor**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-008

Date Collected: 11.14.18 15.35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.21.18 08.30

Basis: Wet Weight

Seq Number: 3070599

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	33.6	5.00	mg/kg	11.21.18 10.29		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.16.18 17.00

Basis: Wet Weight

Seq Number: 3070137

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	1350	74.9	mg/kg	11.18.18 11.07		5
Diesel Range Organics (DRO)	C10C28DRO	5220	74.9	mg/kg	11.18.18 11.07		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	234	74.9	mg/kg	11.18.18 11.07		5
Total TPH	PHC635	6800	74.9	mg/kg	11.18.18 11.07		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	127	%	70-135	11.18.18 11.07	
o-Terphenyl	84-15-1	174	%	70-135	11.18.18 11.07	**



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 E.Floor**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-008

Date Collected: 11.14.18 15.35

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.20.18 11.00

Basis: Wet Weight

Seq Number: 3070399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.0590	0.0502	mg/kg	11.20.18 17.27		25
Toluene	108-88-3	4.06	0.0502	mg/kg	11.20.18 17.27		25
Ethylbenzene	100-41-4	1.79	0.0502	mg/kg	11.20.18 17.27		25
m,p-Xylenes	179601-23-1	13.3	0.100	mg/kg	11.20.18 17.27		25
o-Xylene	95-47-6	8.17	0.0502	mg/kg	11.20.18 17.27		25
Total Xylenes	1330-20-7	21.5	0.0502	mg/kg	11.20.18 17.27		25
Total BTEX		27.4	0.0502	mg/kg	11.20.18 17.27		25
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	173	%	70-130	11.20.18 17.27	**	
1,4-Difluorobenzene	540-36-3	125	%	70-130	11.20.18 17.27		



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 @ 4'**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-009

Date Collected: 11.15.18 13.21

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.21.18 08.30

Basis: Wet Weight

Seq Number: 3070599

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	271	5.03	mg/kg	11.21.18 10.35		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.16.18 17.00

Basis: Wet Weight

Seq Number: 3070137

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	730	74.7	mg/kg	11.18.18 11.25		5
Diesel Range Organics (DRO)	C10C28DRO	2950	74.7	mg/kg	11.18.18 11.25		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	125	74.7	mg/kg	11.18.18 11.25		5
Total TPH	PHC635	3810	74.7	mg/kg	11.18.18 11.25		5
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	119	%	70-135	11.18.18 11.25		
o-Terphenyl	84-15-1	139	%	70-135	11.18.18 11.25	**	



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 @ 4'**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-009

Date Collected: 11.15.18 13.21

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.20.18 11.00

Basis: Wet Weight

Seq Number: 3070399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0201	0.0201	mg/kg	11.20.18 23.37	U	10
Toluene	108-88-3	0.838	0.0201	mg/kg	11.20.18 23.37		10
Ethylbenzene	100-41-4	1.65	0.0201	mg/kg	11.20.18 23.37		10
m,p-Xylenes	179601-23-1	4.42	0.0402	mg/kg	11.20.18 23.37		10
o-Xylene	95-47-6	2.92	0.0201	mg/kg	11.20.18 23.37		10
Total Xylenes	1330-20-7	7.34	0.0201	mg/kg	11.20.18 23.37		10
Total BTEX		9.83	0.0201	mg/kg	11.20.18 23.37		10
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	145	%	70-130	11.20.18 23.37	**	
1,4-Difluorobenzene	540-36-3	97	%	70-130	11.20.18 23.37		



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 @5'**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-010

Date Collected: 11.15.18 13.23

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.21.18 08.30

Basis: Wet Weight

Seq Number: 3070599

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	86.3	4.96	mg/kg	11.21.18 10.54		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.16.18 17.00

Basis: Wet Weight

Seq Number: 3070137

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	95.5	15.0	mg/kg	11.18.18 11.43		1
Diesel Range Organics (DRO)	C10C28DRO	764	15.0	mg/kg	11.18.18 11.43		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	27.9	15.0	mg/kg	11.18.18 11.43		1
Total TPH	PHC635	887	15.0	mg/kg	11.18.18 11.43		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	11.18.18 11.43	
o-Terphenyl	84-15-1	104	%	70-135	11.18.18 11.43	



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 @5'**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-010

Date Collected: 11.15.18 13.23

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.20.18 11.00

Basis: Wet Weight

Seq Number: 3070399

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	11.20.18 19.13	U	1
Toluene	108-88-3	0.0134	0.00199	mg/kg	11.20.18 19.13		1
Ethylbenzene	100-41-4	0.0429	0.00199	mg/kg	11.20.18 19.13		1
m,p-Xylenes	179601-23-1	0.162	0.00398	mg/kg	11.20.18 19.13		1
o-Xylene	95-47-6	0.0993	0.00199	mg/kg	11.20.18 19.13		1
Total Xylenes	1330-20-7	0.261	0.00199	mg/kg	11.20.18 19.13		1
Total BTEX		0.318	0.00199	mg/kg	11.20.18 19.13		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	121	%	70-130	11.20.18 19.13		
4-Bromofluorobenzene	460-00-4	121	%	70-130	11.20.18 19.13		



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 @7'**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-011

Date Collected: 11.15.18 11.40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 11.21.18 08.30

Basis: Wet Weight

Seq Number: 3070599

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.95	4.95	mg/kg	11.21.18 11.00	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.16.18 16.00

Basis: Wet Weight

Seq Number: 3070133

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.18.18 02.59	U	1
Diesel Range Organics (DRO)	C10C28DRO	60.1	15.0	mg/kg	11.18.18 02.59		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	11.18.18 02.59	U	1
Total TPH	PHC635	60.1	15.0	mg/kg	11.18.18 02.59		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	11.18.18 02.59	
o-Terphenyl	84-15-1	100	%	70-135	11.18.18 02.59	



Certificate of Analytical Results 605825



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 @7'**

Matrix: Soil

Date Received: 11.16.18 13.39

Lab Sample Id: 605825-011

Date Collected: 11.15.18 11.40

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 11.21.18 09.00

Basis: Wet Weight

Seq Number: 3070531

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	11.21.18 08.07		1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	11.21.18 08.07		1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	11.21.18 08.07		1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	11.21.18 08.07		1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	11.21.18 08.07		1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	11.21.18 08.07		1
Total BTEX		<0.00200	0.00200	mg/kg	11.21.18 08.07		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	106	%	70-130	11.21.18 08.07		
4-Bromofluorobenzene	460-00-4	126	%	70-130	11.21.18 08.07		



Flagging Criteria



- 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

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 004

Analytical Method: Chloride by EPA 300

Seq Number: 3070271

MB Sample Id: 7666504-1-BLK

Matrix: Solid

LCS Sample Id: 7666504-1-BKS

Prep Method: E300P

Date Prep: 11.19.18

LCSD Sample Id: 7666504-1-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	263	105	264	106	90-110	0	20	mg/kg	11.19.18 23:28	

Analytical Method: Chloride by EPA 300

Seq Number: 3070599

MB Sample Id: 7666630-1-BLK

Matrix: Solid

LCS Sample Id: 7666630-1-BKS

Prep Method: E300P

Date Prep: 11.21.18

LCSD Sample Id: 7666630-1-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	254	102	254	102	90-110	0	20	mg/kg	11.21.18 09:46	

Analytical Method: Chloride by EPA 300

Seq Number: 3070271

Parent Sample Id: 605800-004

Matrix: Soil

MS Sample Id: 605800-004 S

Prep Method: E300P

Date Prep: 11.19.18

MSD Sample Id: 605800-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	21.0	248	277	103	273	102	90-110	1	20	mg/kg	11.20.18 01:13	

Analytical Method: Chloride by EPA 300

Seq Number: 3070271

Parent Sample Id: 605899-010

Matrix: Soil

MS Sample Id: 605899-010 S

Prep Method: E300P

Date Prep: 11.19.18

MSD Sample Id: 605899-010 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	9.15	248	265	103	263	102	90-110	1	20	mg/kg	11.19.18 23:46	

Analytical Method: Chloride by EPA 300

Seq Number: 3070599

Parent Sample Id: 605798-002

Matrix: Soil

MS Sample Id: 605798-002 S

Prep Method: E300P

Date Prep: 11.21.18

MSD Sample Id: 605798-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1260	250	1490	92	1490	92	90-110	0	20	mg/kg	11.21.18 11:31	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 $\text{Log Diff.} = \text{Log}(\text{Sample Duplicate}) - \text{Log}(\text{Original Sample})$

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 004

Analytical Method: Chloride by EPA 300

Seq Number: 3070599

Parent Sample Id: 605825-005

Matrix: Soil

MS Sample Id: 605825-005 S

Prep Method: E300P

Date Prep: 11.21.18

MSD Sample Id: 605825-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	65.9	250	323	103	326	104	90-110	1	20	mg/kg	11.21.18 10:04	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3070133

MB Sample Id: 7666452-1-BLK

Matrix: Solid

LCS Sample Id: 7666452-1-BKS

Prep Method: TX1005P

Date Prep: 11.16.18

LCSD Sample Id: 7666452-1-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)	<8.00	1000	960	96	966	97	70-135	1	20	mg/kg	11.17.18 19:26	
Diesel Range Organics (DRO)	<8.13	1000	1030	103	1040	104	70-135	1	20	mg/kg	11.17.18 19:26	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	97		129		128		70-135	%	11.17.18 19:26
o-Terphenyl	108		103		106		70-135	%	11.17.18 19:26

Analytical Method: TPH By SW8015 Mod

Seq Number: 3070137

MB Sample Id: 7666453-1-BLK

Matrix: Solid

LCS Sample Id: 7666453-1-BKS

Prep Method: TX1005P

Date Prep: 11.16.18

LCSD Sample Id: 7666453-1-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)	<8.00	1000	1050	105	1160	116	70-135	10	20	mg/kg	11.18.18 03:54	
Diesel Range Organics (DRO)	<8.13	1000	1090	109	1120	112	70-135	3	20	mg/kg	11.18.18 03:54	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	107		123		128		70-135	%	11.18.18 03:54
o-Terphenyl	120		116		123		70-135	%	11.18.18 03:54

Analytical Method: TPH By SW8015 Mod

Seq Number: 3070133

Parent Sample Id: 605669-001

Matrix: Soil

MS Sample Id: 605669-001 S

Prep Method: TX1005P

Date Prep: 11.16.18

MSD Sample Id: 605669-001 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)	<8.00	1000	1110	111	1100	110	70-135	1	20	mg/kg	11.17.18 20:20	
Diesel Range Organics (DRO)	<8.13	1000	1130	113	1130	113	70-135	0	20	mg/kg	11.17.18 20:20	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	128		128		70-135	%	11.17.18 20:20
o-Terphenyl	117		113		70-135	%	11.17.18 20:20

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 004

Analytical Method: TPH By SW8015 Mod

Seq Number: 3070137

Parent Sample Id: 605818-001

Matrix: Soil

MS Sample Id: 605818-001 S

Prep Method: TX1005P

Date Prep: 11.16.18

MSD Sample Id: 605818-001 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)	<7.99	999	909	91	914	92	70-135	1	20	mg/kg	11.18.18 04:48	
Diesel Range Organics (DRO)	13.7	999	968	96	974	96	70-135	1	20	mg/kg	11.18.18 04:48	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	125		125		70-135	%	11.18.18 04:48
o-Terphenyl	102		103		70-135	%	11.18.18 04:48

Analytical Method: BTEX by EPA 8021B

Seq Number: 3070399

MB Sample Id: 7666634-1-BLK

Matrix: Solid

LCS Sample Id: 7666634-1-BKS

Prep Method: SW5030B

Date Prep: 11.20.18

LCSD Sample Id: 7666634-1-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	0.102	102	0.129	129	70-130	23	35	mg/kg	11.20.18 12:02	
Toluene	<0.00200	0.0998	0.0859	86	0.114	114	70-130	28	35	mg/kg	11.20.18 12:02	
Ethylbenzene	<0.00200	0.0998	0.0929	93	0.125	125	70-130	29	35	mg/kg	11.20.18 12:02	
m,p-Xylenes	<0.00101	0.200	0.194	97	0.233	117	70-130	18	35	mg/kg	11.20.18 12:02	
o-Xylene	<0.00200	0.0998	0.102	102	0.128	128	70-130	23	35	mg/kg	11.20.18 12:02	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	112		122		98		70-130	%	11.20.18 12:02
4-Bromofluorobenzene	74		77		83		70-130	%	11.20.18 12:02

Analytical Method: BTEX by EPA 8021B

Seq Number: 3070531

MB Sample Id: 7666739-1-BLK

Matrix: Solid

LCS Sample Id: 7666739-1-BKS

Prep Method: SW5030B

Date Prep: 11.21.18

LCSD Sample Id: 7666739-1-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	0.101	0.124	123	0.121	121	70-130	2	35	mg/kg	11.21.18 06:09	
Toluene	<0.00201	0.101	0.103	102	0.105	105	70-130	2	35	mg/kg	11.21.18 06:09	
Ethylbenzene	<0.00201	0.101	0.108	107	0.113	113	70-130	5	35	mg/kg	11.21.18 06:09	
m,p-Xylenes	<0.00402	0.201	0.208	103	0.219	110	70-130	5	35	mg/kg	11.21.18 06:09	
o-Xylene	<0.00201	0.101	0.102	101	0.107	107	70-130	5	35	mg/kg	11.21.18 06:09	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		102		97		70-130	%	11.21.18 06:09
4-Bromofluorobenzene	108		109		107		70-130	%	11.21.18 06:09

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 004

Analytical Method: BTEX by EPA 8021B

Seq Number: 3070399

Parent Sample Id: 605825-001

Matrix: Soil

MS Sample Id: 605825-001 S

Prep Method: SW5030B

Date Prep: 11.20.18

MSD Sample Id: 605825-001 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	0.0411	41	0.0508	51	70-130	21	35	mg/kg	11.20.18 12:44	X
Toluene	<0.00200	0.0998	0.0332	33	0.0397	40	70-130	18	35	mg/kg	11.20.18 12:44	X
Ethylbenzene	<0.00200	0.0998	0.0417	42	0.0509	51	70-130	20	35	mg/kg	11.20.18 12:44	X
m,p-Xylenes	<0.00101	0.200	0.0822	41	0.0996	50	70-130	19	35	mg/kg	11.20.18 12:44	X
o-Xylene	<0.00200	0.0998	0.0412	41	0.0510	51	70-130	21	35	mg/kg	11.20.18 12:44	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		110		70-130	%	11.20.18 12:44
4-Bromofluorobenzene	86		84		70-130	%	11.20.18 12:44

Analytical Method: BTEX by EPA 8021B

Seq Number: 3070531

Parent Sample Id: 605825-011

Matrix: Soil

MS Sample Id: 605825-011 S

Prep Method: SW5030B

Date Prep: 11.21.18

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	Limits	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.158	158	70-130	mg/kg	11.21.18 06:48	X
Toluene	<0.000456	0.100	0.120	120	70-130	mg/kg	11.21.18 06:48	
Ethylbenzene	<0.000565	0.100	0.0981	98	70-130	mg/kg	11.21.18 06:48	
m,p-Xylenes	0.00218	0.200	0.183	90	70-130	mg/kg	11.21.18 06:48	
o-Xylene	0.00193	0.100	0.0948	93	70-130	mg/kg	11.21.18 06:48	

Surrogate	MS %Rec	MS Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		70-130	%	11.21.18 06:48
4-Bromofluorobenzene	122		70-130	%	11.21.18 06:48

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * [(C - E) / (C + E)]$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 11/16/2018 01:39:00 PM

Work Order #: 605825

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
#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:

Brianna Teel

Date: 11/16/2018

Checklist reviewed by:

Holly Taylor

Date: 11/19/2018



Certificate of Analysis Summary 610725

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fred Turner Jr B 0004

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Wed Jan-09-19 01:30 pm

Report Date: 14-JAN-19

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	610725-001	610725-002				
	Field Id:	SP-15 E. Floor @5'	SP-15 W. Floor @5'				
	Depth:						
	Matrix:	SOIL	SOIL				
	Sampled:	Jan-08-19 14:50	Jan-08-19 14:52				
BTEX by EPA 8021B	Extracted:	Jan-11-19 14:30	Jan-11-19 14:30				
	Analyzed:	Jan-11-19 21:26	Jan-11-19 21:45				
	Units/RL:	mg/kg RL	mg/kg RL				
Benzene		<0.00200 0.00200	<0.00200 0.00200				
Toluene		<0.00200 0.00200	0.00278 0.00200				
Ethylbenzene		<0.00200 0.00200	0.0115 0.00200				
m,p-Xylenes		<0.00401 0.00401	0.0272 0.00400				
o-Xylene		<0.00200 0.00200	0.0166 0.00200				
Total Xylenes		<0.00200 0.00200	0.0438 0.00200				
Total BTEX		<0.00200 0.00200	0.0581 0.00200				
Chloride by EPA 300	Extracted:	Jan-11-19 09:00	Jan-11-19 09:00				
	Analyzed:	Jan-11-19 10:15	Jan-11-19 10:22				
	Units/RL:	mg/kg RL	mg/kg RL				
Chloride		21.8 4.98	87.9 5.00				
TPH By SW8015 Mod	Extracted:	Jan-10-19 17:00	Jan-10-19 17:00				
	Analyzed:	Jan-11-19 02:22	Jan-11-19 02:42				
	Units/RL:	mg/kg RL	mg/kg RL				
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	77.1 15.0				
Diesel Range Organics (DRO)		180 15.0	1780 15.0				
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	147 15.0				
Total TPH		180 15.0	2000 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 - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Analytical Report 610725

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Fred Turner Jr B 0004

14-JAN-19

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):

Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):

Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)

Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)

Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)

Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)

Xenco-Atlanta (LELAP Lab ID #04176)

Xenco-Tampa: Florida (E87429)

Xenco-Lakeland: Florida (E84098)



14-JAN-19

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

Reference: XENCO Report No(s): **610725**
Fred Turner Jr B 0004
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) 610725. 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. 610725 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,

A handwritten signature in black ink that reads 'Holly Taylor'.

Holly Taylor
Project Manager

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

Certified and approved by numerous States and Agencies.

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

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

**Sample Cross Reference 610725****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Fred Turner Jr B 0004

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-15 E. Floor @5'	S	01-08-19 14:50		610725-001
SP-15 W. Floor @5'	S	01-08-19 14:52		610725-002



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Fred Turner Jr B 0004

Project ID:
Work Order Number(s): 610725

Report Date: 14-JAN-19
Date Received: 01/09/2019

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3075636 BTEX by EPA 8021B

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



Certificate of Analytical Results 610725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-15 E. Floor @5'**

Matrix: Soil

Date Received: 01.09.19 13.30

Lab Sample Id: 610725-001

Date Collected: 01.08.19 14.50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 01.11.19 09.00

Basis: Wet Weight

Seq Number: 3075613

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	21.8	4.98	mg/kg	01.11.19 10.15		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 01.10.19 17.00

Basis: Wet Weight

Seq Number: 3075461

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.11.19 02.22	U	1
Diesel Range Organics (DRO)	C10C28DRO	180	15.0	mg/kg	01.11.19 02.22		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	01.11.19 02.22	U	1
Total TPH	PHC635	180	15.0	mg/kg	01.11.19 02.22		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	01.11.19 02.22	
o-Terphenyl	84-15-1	95	%	70-135	01.11.19 02.22	



Certificate of Analytical Results 610725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-15 E. Floor @5'**

Matrix: Soil

Date Received: 01.09.19 13.30

Lab Sample Id: 610725-001

Date Collected: 01.08.19 14.50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 01.11.19 14.30

Basis: Wet Weight

Seq Number: 3075636

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.11.19 21.26	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	01.11.19 21.26	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	01.11.19 21.26	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	01.11.19 21.26	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	01.11.19 21.26	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	01.11.19 21.26	U	1
Total BTEX		<0.00200	0.00200	mg/kg	01.11.19 21.26	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	98	%	70-130	01.11.19 21.26		
1,4-Difluorobenzene	540-36-3	117	%	70-130	01.11.19 21.26		



Certificate of Analytical Results 610725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-15 W. Floor @5'**

Matrix: Soil

Date Received: 01.09.19 13.30

Lab Sample Id: 610725-002

Date Collected: 01.08.19 14.52

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 01.11.19 09.00

Basis: Wet Weight

Seq Number: 3075613

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	87.9	5.00	mg/kg	01.11.19 10.22		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 01.10.19 17.00

Basis: Wet Weight

Seq Number: 3075461

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	77.1	15.0	mg/kg	01.11.19 02.42		1
Diesel Range Organics (DRO)	C10C28DRO	1780	15.0	mg/kg	01.11.19 02.42		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	147	15.0	mg/kg	01.11.19 02.42		1
Total TPH	PHC635	2000	15.0	mg/kg	01.11.19 02.42		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	119	%	70-135	01.11.19 02.42		
o-Terphenyl	84-15-1	134	%	70-135	01.11.19 02.42		



Certificate of Analytical Results 610725



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-15 W. Floor @5'**

Matrix: Soil

Date Received: 01.09.19 13.30

Lab Sample Id: 610725-002

Date Collected: 01.08.19 14.52

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 01.11.19 14.30

Basis: Wet Weight

Seq Number: 3075636

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	01.11.19 21.45	U	1
Toluene	108-88-3	0.00278	0.00200	mg/kg	01.11.19 21.45		1
Ethylbenzene	100-41-4	0.0115	0.00200	mg/kg	01.11.19 21.45		1
m,p-Xylenes	179601-23-1	0.0272	0.00400	mg/kg	01.11.19 21.45		1
o-Xylene	95-47-6	0.0166	0.00200	mg/kg	01.11.19 21.45		1
Total Xylenes	1330-20-7	0.0438	0.00200	mg/kg	01.11.19 21.45		1
Total BTEX		0.0581	0.00200	mg/kg	01.11.19 21.45		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	106	%	70-130	01.11.19 21.45		
1,4-Difluorobenzene	540-36-3	112	%	70-130	01.11.19 21.45		



Flagging Criteria



- 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

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 0004

Analytical Method: Chloride by EPA 300

Seq Number: 3075613

MB Sample Id: 7669639-1-BLK

Matrix: Solid

LCS Sample Id: 7669639-1-BKS

Prep Method: E300P

Date Prep: 01.11.19

LCSD Sample Id: 7669639-1-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	232	93	241	96	90-110	4	20	mg/kg	01.11.19 09:34	

Analytical Method: Chloride by EPA 300

Seq Number: 3075613

Parent Sample Id: 610670-006

Matrix: Soil

MS Sample Id: 610670-006 S

Prep Method: E300P

Date Prep: 01.11.19

MSD Sample Id: 610670-006 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	62.4	249	293	93	295	93	90-110	1	20	mg/kg	01.11.19 09:57	

Analytical Method: Chloride by EPA 300

Seq Number: 3075613

Parent Sample Id: 610728-001

Matrix: Soil

MS Sample Id: 610728-001 S

Prep Method: E300P

Date Prep: 01.11.19

MSD Sample Id: 610728-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	132	250	368	94	388	102	90-110	5	20	mg/kg	01.11.19 11:26	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3075461

MB Sample Id: 7669546-1-BLK

Matrix: Solid

LCS Sample Id: 7669546-1-BKS

Prep Method: TX1005P

Date Prep: 01.10.19

LCSD Sample Id: 7669546-1-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)	<8.00	1000	846	85	845	85	70-135	0	20	mg/kg	01.10.19 19:42	
Diesel Range Organics (DRO)	<8.13	1000	947	95	938	94	70-135	1	20	mg/kg	01.10.19 19:42	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	126		115		117		70-135	%	01.10.19 19:42
o-Terphenyl	131		110		117		70-135	%	01.10.19 19:42

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 0004

Analytical Method: TPH By SW8015 Mod

Seq Number: 3075461

Parent Sample Id: 610941-006

Matrix: Soil

MS Sample Id: 610941-006 S

Prep Method: TX1005P

Date Prep: 01.10.19

MSD Sample Id: 610941-006 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)	<8.00	1000	879	88	891	89	70-135	1	20	mg/kg	01.10.19 20:42	
Diesel Range Organics (DRO)	<8.13	1000	979	98	991	99	70-135	1	20	mg/kg	01.10.19 20:42	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	116		117		70-135	%	01.10.19 20:42
o-Terphenyl	110		112		70-135	%	01.10.19 20:42

Analytical Method: BTEX by EPA 8021B

Seq Number: 3075636

MB Sample Id: 7669654-1-BLK

Matrix: Solid

LCS Sample Id: 7669654-1-BKS

Prep Method: SW5030B

Date Prep: 01.11.19

LCSD Sample Id: 7669654-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000386	0.100	0.115	115	0.112	112	70-130	3	35	mg/kg	01.11.19 14:13	
Toluene	<0.000457	0.100	0.105	105	0.103	103	70-130	2	35	mg/kg	01.11.19 14:13	
Ethylbenzene	<0.000566	0.100	0.0967	97	0.0948	95	70-130	2	35	mg/kg	01.11.19 14:13	
m,p-Xylenes	<0.00102	0.200	0.192	96	0.188	94	70-130	2	35	mg/kg	01.11.19 14:13	
o-Xylene	<0.000345	0.100	0.0934	93	0.0925	93	70-130	1	35	mg/kg	01.11.19 14:13	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	110		106		108		70-130	%	01.11.19 14:13
4-Bromofluorobenzene	87		88		93		70-130	%	01.11.19 14:13

Analytical Method: BTEX by EPA 8021B

Seq Number: 3075636

Parent Sample Id: 611110-001

Matrix: Soil

MS Sample Id: 611110-001 S

Prep Method: SW5030B

Date Prep: 01.11.19

MSD Sample Id: 611110-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0996	0.116	116	0.0884	88	70-130	27	35	mg/kg	01.11.19 14:51	
Toluene	<0.000454	0.0996	0.101	101	0.0789	79	70-130	25	35	mg/kg	01.11.19 14:51	
Ethylbenzene	<0.000563	0.0996	0.0915	92	0.0705	71	70-130	26	35	mg/kg	01.11.19 14:51	
m,p-Xylenes	<0.00101	0.199	0.180	90	0.141	71	70-130	24	35	mg/kg	01.11.19 14:51	
o-Xylene	<0.000343	0.0996	0.0879	88	0.0688	69	70-130	24	35	mg/kg	01.11.19 14:51	X

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	110		109		70-130	%	01.11.19 14:51
4-Bromofluorobenzene	95		97		70-130	%	01.11.19 14:51

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C-A) / B$
 $RPD = 200 * |(C-E) / (C+E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Page 1 of 1

LAB W.O # :

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

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
C. H_2SO_4 G. $\text{Na}_2\text{S}_2\text{O}_3$ K. ZnAc&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		

REMARKS

[illegible]

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

C.O.C. Serial #

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 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*

Revision Date: Nov 12, 2009

476 750 8025



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 01/09/2019 01:30:00 PM

Work Order #: 610725

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)?	.5
#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:

Katie Lowe

Date: 01/09/2019

Checklist reviewed by:

Holly Taylor

Date: 01/11/2019



Certificate of Analysis Summary 612822

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fred Turner Jr B 0004

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Tue Jan-29-19 01:30 pm

Report Date: 05-FEB-19

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	612822-001	612822-002	612822-003			
	Field Id:	SP-15 Floor Trench @5.5'	SP-15 Floor Trench @7'	SP-15 Floor Trench @9'			
	Depth:						
	Matrix:	SOIL	SOIL	SOIL			
	Sampled:	Jan-25-19 10:20	Jan-25-19 10:17	Jan-25-19 10:25			
BTEX by EPA 8021B	Extracted:	Jan-31-19 15:00		Jan-31-19 15:00			
	Analyzed:	Feb-01-19 05:50		Feb-01-19 04:53			
	Units/RL:	mg/kg RL		mg/kg RL			
	Benzene	<0.00201 0.00201		<0.00200 0.00200			
	Toluene	0.0142 0.00201		<0.00200 0.00200			
Ethylbenzene		0.00800 0.00201		<0.00200 0.00200			
m,p-Xylenes		0.0162 0.00402		<0.00401 0.00401			
o-Xylene		0.0534 0.00201		<0.00200 0.00200			
Total Xylenes		0.0696 0.00201		<0.00200 0.00200			
Total BTEX		0.0918 0.00201		<0.00200 0.00200			
Chloride by EPA 300	Extracted:			Feb-02-19 14:00			
	Analyzed:			Feb-04-19 18:34			
	Units/RL:			mg/kg RL			
	Chloride			<4.99 4.99			
TPH By SW8015 Mod	Extracted:	Jan-30-19 15:00	Jan-30-19 15:00	Jan-30-19 15:00			
	Analyzed:	Jan-31-19 03:16	Jan-31-19 03:36	Jan-31-19 03:57			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
	Gasoline Range Hydrocarbons (GRO)	274 74.9	<15.0 15.0	<15.0 15.0			
	Diesel Range Organics (DRO)	2490 74.9	<15.0 15.0	<15.0 15.0			
Motor Oil Range Hydrocarbons (MRO)		349 74.9	<15.0 15.0	<15.0 15.0			
Total TPH		3110 74.9	<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 - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Analytical Report 612822

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Fred Turner Jr B 0004

05-FEB-19

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):

Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):

Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)

Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)

Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)

Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)

Xenco-Atlanta (LELAP Lab ID #04176)

Xenco-Tampa: Florida (E87429)

Xenco-Lakeland: Florida (E84098)



05-FEB-19

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

Reference: XENCO Report No(s): **612822**
Fred Turner Jr B 0004
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) 612822. 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. 612822 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,

A handwritten signature in black ink that reads 'Holly Taylor'.

Holly Taylor
Project Manager

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

Certified and approved by numerous States and Agencies.

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

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

**Sample Cross Reference 612822****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

Fred Turner Jr B 0004

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-15 Floor Trench @5.5'	S	01-25-19 10:20		612822-001
SP-15 Floor Trench @7'	S	01-25-19 10:17		612822-002
SP-15 Floor Trench @9'	S	01-25-19 10:25		612822-003



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Fred Turner Jr B 0004

Project ID:
Work Order Number(s): 612822

Report Date: 05-FEB-19
Date Received: 01/29/2019

Sample receipt non conformances and comments:

1/31/2019 After results of TPH, run BTEX on 001 and BTEX and CL on 003 per Ben Arguijo.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3077562 TPH By SW8015 Mod

Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 612822-001.

Batch: LBA-3077948 BTEX by EPA 8021B

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

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.

Samples affected are: 612822-001.



Certificate of Analytical Results 612822

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-15 Floor Trench @5.5'**

Matrix: Soil

Date Received: 01.29.19 13.30

Lab Sample Id: 612822-001

Date Collected: 01.25.19 10.20

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 01.30.19 15.00

Basis: Wet Weight

Seq Number: 3077562

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	274	74.9	mg/kg	01.31.19 03.16		5
Diesel Range Organics (DRO)	C10C28DRO	2490	74.9	mg/kg	01.31.19 03.16		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	349	74.9	mg/kg	01.31.19 03.16		5
Total TPH	PHC635	3110	74.9	mg/kg	01.31.19 03.16		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	124	%	70-135	01.31.19 03.16	
o-Terphenyl	84-15-1	163	%	70-135	01.31.19 03.16	**

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 01.31.19 15.00

Basis: Wet Weight

Seq Number: 3077948

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.01.19 05.50	U	1
Toluene	108-88-3	0.0142	0.00201	mg/kg	02.01.19 05.50		1
Ethylbenzene	100-41-4	0.00800	0.00201	mg/kg	02.01.19 05.50		1
m,p-Xylenes	179601-23-1	0.0162	0.00402	mg/kg	02.01.19 05.50		1
o-Xylene	95-47-6	0.0534	0.00201	mg/kg	02.01.19 05.50		1
Total Xylenes	1330-20-7	0.0696	0.00201	mg/kg	02.01.19 05.50		1
Total BTEX		0.0918	0.00201	mg/kg	02.01.19 05.50		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	95	%	70-130	02.01.19 05.50	
4-Bromofluorobenzene	460-00-4	147	%	70-130	02.01.19 05.50	**



Certificate of Analytical Results 612822



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-15 Floor Trench @7'**

Matrix: Soil

Date Received: 01.29.19 13.30

Lab Sample Id: 612822-002

Date Collected: 01.25.19 10.17

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 01.30.19 15.00

Basis: Wet Weight

Seq Number: 3077562

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.31.19 03.36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.31.19 03.36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	01.31.19 03.36	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.31.19 03.36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	95	%	70-135	01.31.19 03.36		
o-Terphenyl	84-15-1	97	%	70-135	01.31.19 03.36		



Certificate of Analytical Results 612822



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-15 Floor Trench @9'**

Matrix: Soil

Date Received: 01.29.19 13.30

Lab Sample Id: 612822-003

Date Collected: 01.25.19 10.25

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 02.02.19 14.00

Basis: Wet Weight

Seq Number: 3078027

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.99	4.99	mg/kg	02.04.19 18.34	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 01.30.19 15.00

Basis: Wet Weight

Seq Number: 3077562

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.31.19 03.57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.31.19 03.57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	01.31.19 03.57	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	01.31.19 03.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	01.31.19 03.57	
o-Terphenyl	84-15-1	101	%	70-135	01.31.19 03.57	



Certificate of Analytical Results 612822



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 0004

Sample Id: **SP-15 Floor Trench @9'**

Matrix: Soil

Date Received: 01.29.19 13.30

Lab Sample Id: 612822-003

Date Collected: 01.25.19 10.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 01.31.19 15.00

Basis: Wet Weight

Seq Number: 3077948

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.01.19 04.53	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.01.19 04.53	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.01.19 04.53	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.01.19 04.53	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.01.19 04.53	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.01.19 04.53	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.01.19 04.53	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	115	%	70-130	02.01.19 04.53		
1,4-Difluorobenzene	540-36-3	112	%	70-130	02.01.19 04.53		



Flagging Criteria



- 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

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 0004

Analytical Method: Chloride by EPA 300

Seq Number: 3078027

MB Sample Id: 7670972-1-BLK

Matrix: Solid

LCS Sample Id: 7670972-1-BKS

Prep Method: E300P

Date Prep: 02.02.19

LCSD Sample Id: 7670972-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	258	103	259	104	90-110	0	20	mg/kg	02.04.19 15:35	

Analytical Method: Chloride by EPA 300

Seq Number: 3078027

Parent Sample Id: 612711-001

Matrix: Soil

MS Sample Id: 612711-001 S

Prep Method: E300P

Date Prep: 02.02.19

MSD Sample Id: 612711-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	212	250	491	112	490	111	90-110	0	20	mg/kg	02.04.19 15:53	X

Analytical Method: Chloride by EPA 300

Seq Number: 3078027

Parent Sample Id: 612711-003

Matrix: Soil

MS Sample Id: 612711-003 S

Prep Method: E300P

Date Prep: 02.02.19

MSD Sample Id: 612711-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	660	250	895	94	931	108	90-110	4	20	mg/kg	02.04.19 17:23	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3077562

MB Sample Id: 7670775-1-BLK

Matrix: Solid

LCS Sample Id: 7670775-1-BKS

Prep Method: TX1005P

Date Prep: 01.30.19

LCSD Sample Id: 7670775-1-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)	<8.00	1000	946	95	951	95	70-135	1	20	mg/kg	01.30.19 20:19	
Diesel Range Organics (DRO)	<8.13	1000	1080	108	1080	108	70-135	0	20	mg/kg	01.30.19 20:19	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	104		130		129		70-135	%	01.30.19 20:19
o-Terphenyl	109		124		121		70-135	%	01.30.19 20:19

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 0004

Analytical Method: TPH By SW8015 Mod

Seq Number: 3077562

Parent Sample Id: 612644-021

Matrix: Soil

MS Sample Id: 612644-021 S

Prep Method: TX1005P

Date Prep: 01.30.19

MSD Sample Id: 612644-021 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)	<8.00	1000	820	82	832	83	70-135	1	20	mg/kg	01.30.19 21:18	
Diesel Range Organics (DRO)	<8.13	1000	937	94	953	95	70-135	2	20	mg/kg	01.30.19 21:18	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	116		119		70-135	%	01.30.19 21:18
o-Terphenyl	105		109		70-135	%	01.30.19 21:18

Analytical Method: BTEX by EPA 8021B

Seq Number: 3077948

MB Sample Id: 7670960-1-BLK

Matrix: Solid

LCS Sample Id: 7670960-1-BKS

Prep Method: SW5030B

Date Prep: 01.31.19

LCSD Sample Id: 7670960-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000387	0.101	0.121	120	0.123	123	70-130	2	35	mg/kg	02.01.19 01:07	
Toluene	<0.000458	0.101	0.105	104	0.106	106	70-130	1	35	mg/kg	02.01.19 01:07	
Ethylbenzene	<0.000568	0.101	0.0973	96	0.0989	99	70-130	2	35	mg/kg	02.01.19 01:07	
m,p-Xylenes	<0.00102	0.201	0.192	96	0.196	98	70-130	2	35	mg/kg	02.01.19 01:07	
o-Xylene	<0.000346	0.101	0.0969	96	0.0990	99	70-130	2	35	mg/kg	02.01.19 01:07	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		106		107		70-130	%	02.01.19 01:07
4-Bromofluorobenzene	96		105		107		70-130	%	02.01.19 01:07

Analytical Method: BTEX by EPA 8021B

Seq Number: 3077948

Parent Sample Id: 612912-017

Matrix: Soil

MS Sample Id: 612912-017 S

Prep Method: SW5030B

Date Prep: 01.31.19

MSD Sample Id: 612912-017 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00208	0.104	0.0894	86	0.103	99	70-130	14	35	mg/kg	02.01.19 01:45	
Toluene	<0.000474	0.104	0.0667	64	0.0670	64	70-130	0	35	mg/kg	02.01.19 01:45	X
Ethylbenzene	<0.000588	0.104	0.0477	46	0.0437	42	70-130	9	35	mg/kg	02.01.19 01:45	X
m,p-Xylenes	<0.00106	0.208	0.0939	45	0.0843	41	70-130	11	35	mg/kg	02.01.19 01:45	X
o-Xylene	<0.000358	0.104	0.0492	47	0.0439	42	70-130	11	35	mg/kg	02.01.19 01:45	X

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	106		110		70-130	%	02.01.19 01:45
4-Bromofluorobenzene	111		108		70-130	%	02.01.19 01:45

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 01/29/2019 01:30:00 PM

Work Order #: 612822

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)?	1.4
#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:

Katie Lowe

Date: 01/29/2019

Checklist reviewed by:

Holly Taylor

Date: 01/30/2019



Certificate of Analysis Summary 615525

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fred Turner Jr B 004

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Fri Feb-22-19 02:18 pm

Report Date: 05-MAR-19

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	615525-001					
	Field Id:	SP-15 W. Floor @ 5.5'					
	Depth:						
	Matrix:	SOIL					
	Sampled:	Feb-21-19 09:11					
BTEX by EPA 8021B	Extracted:	Mar-03-19 19:00					
	Analyzed:	Mar-04-19 03:32					
	Units/RL:	mg/kg RL					
	Benzene	<0.00199 0.00199					
	Toluene	<0.00199 0.00199					
	Ethylbenzene	<0.00199 0.00199					
	m,p-Xylenes	<0.00398 0.00398					
	o-Xylene	<0.00199 0.00199					
	Total Xylenes	<0.00199 0.00199					
	Total BTEX	<0.00199 0.00199					
Chloride by EPA 300	Extracted:	Mar-02-19 11:30					
	Analyzed:	Mar-02-19 21:35					
	Units/RL:	mg/kg RL					
Chloride		50.5 4.97					

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 - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager



Certificate of Analysis Summary 615525

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fred Turner Jr B 004



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Fri Feb-22-19 02:18 pm

Report Date: 05-MAR-19

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	615525-001					
	Field Id:	SP-15 W. Floor @ 5.5'					
	Depth:						
	Matrix:	SOIL					
	Sampled:	Feb-21-19 09:11					
TPH By SW8015 Mod	Extracted:	Feb-25-19 11:00					
	Analyzed:	Feb-25-19 12:51					
	Units/RL:	mg/kg RL					
	Gasoline Range Hydrocarbons (GRO)	<15.0 15.0					
	Diesel Range Organics (DRO)	288 15.0					
	Motor Oil Range Hydrocarbons (MRO)	44.6 15.0					
	Total TPH	333 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 - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Analytical Report 615525

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Fred Turner Jr B 004

05-MAR-19

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)
Xenco-Lakeland: Florida (E84098)



05-MAR-19

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

Reference: XENCO Report No(s): **615525**
Fred Turner Jr B 004
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) 615525. 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. 615525 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,

A handwritten signature in black ink that reads 'Holly Taylor'.

Holly Taylor
Project Manager

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

Certified and approved by numerous States and Agencies.

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

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



Sample Cross Reference 615525

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-15 W. Floor @ 5.5'	S	02-21-19 09:11		615525-001



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Fred Turner Jr B 004

Project ID:
Work Order Number(s): 615525

Report Date: 05-MAR-19
Date Received: 02/22/2019

Sample receipt non conformances and comments:

2/28/2019 Corrected sample ID per Ben Arguijo (email).

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3080943 BTEX by EPA 8021B

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



Certificate of Analytical Results 615525



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 W. Floor @ 5.5'**

Matrix: Soil

Date Received: 02.22.19 14.18

Lab Sample Id: 615525-001

Date Collected: 02.21.19 09.11

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.02.19 11.30

Basis: Wet Weight

Seq Number: 3081027

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	50.5	4.97	mg/kg	03.02.19 21.35		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 02.25.19 11.00

Basis: Wet Weight

Seq Number: 3080373

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	02.25.19 12.51	U	1
Diesel Range Organics (DRO)	C10C28DRO	288	15.0	mg/kg	02.25.19 12.51		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	44.6	15.0	mg/kg	02.25.19 12.51		1
Total TPH	PHC635	333	15.0	mg/kg	02.25.19 12.51		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	02.25.19 12.51	
o-Terphenyl	84-15-1	107	%	70-135	02.25.19 12.51	



Certificate of Analytical Results 615525



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fred Turner Jr B 004

Sample Id: **SP-15 W. Floor @ 5.5'**

Matrix: Soil

Date Received: 02.22.19 14.18

Lab Sample Id: 615525-001

Date Collected: 02.21.19 09.11

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.03.19 19.00

Basis: Wet Weight

Seq Number: 3080943

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.04.19 03.32	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.04.19 03.32	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.04.19 03.32	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.04.19 03.32	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.04.19 03.32	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.04.19 03.32	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.04.19 03.32	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	122	%	70-130	03.04.19 03.32		
1,4-Difluorobenzene	540-36-3	116	%	70-130	03.04.19 03.32		



Flagging Criteria



- 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

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 004

Analytical Method: Chloride by EPA 300

Seq Number: 3081027

MB Sample Id: 7672867-1-BLK

Matrix: Solid

LCS Sample Id: 7672867-1-BKS

Prep Method: E300P

Date Prep: 03.02.19

LCSD Sample Id: 7672867-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	245	98	247	99	90-110	1	20	mg/kg	03.02.19 20:56	

Analytical Method: Chloride by EPA 300

Seq Number: 3081027

Parent Sample Id: 616014-005

Matrix: Soil

MS Sample Id: 616014-005 S

Prep Method: E300P

Date Prep: 03.02.19

MSD Sample Id: 616014-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.850	248	260	105	262	106	90-110	1	20	mg/kg	03.02.19 21:16	

Analytical Method: Chloride by EPA 300

Seq Number: 3081027

Parent Sample Id: 616046-001

Matrix: Soil

MS Sample Id: 616046-001 S

Prep Method: E300P

Date Prep: 03.02.19

MSD Sample Id: 616046-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	204	250	453	100	429	90	90-110	5	20	mg/kg	03.04.19 11:33	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3080373

MB Sample Id: 7672518-1-BLK

Matrix: Solid

LCS Sample Id: 7672518-1-BKS

Prep Method: TX1005P

Date Prep: 02.25.19

LCSD Sample Id: 7672518-1-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)	<8.00	1000	905	91	900	90	70-135	1	20	mg/kg	02.25.19 12:11	
Diesel Range Organics (DRO)	<8.13	1000	910	91	914	91	70-135	0	20	mg/kg	02.25.19 12:11	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	116		109		113		70-135	%	02.25.19 12:11
o-Terphenyl	118		95		96		70-135	%	02.25.19 12:11

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * [(C - E) / (C + E)]$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC

Fred Turner Jr B 004

Analytical Method: TPH By SW8015 Mod

Seq Number: 3080373

Parent Sample Id: 615525-001

Matrix: Soil

MS Sample Id: 615525-001 S

Prep Method: TX1005P

Date Prep: 02.25.19

MSD Sample Id: 615525-001 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)	<7.99	999	910	91	887	89	70-135	3	20	mg/kg	02.25.19 13:10	
Diesel Range Organics (DRO)	288	999	1200	91	1130	84	70-135	6	20	mg/kg	02.25.19 13:10	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	112		107		70-135	%	02.25.19 13:10
o-Terphenyl	106		100		70-135	%	02.25.19 13:10

Analytical Method: BTEX by EPA 8021B

Seq Number: 3080943

MB Sample Id: 7672880-1-BLK

Matrix: Solid

LCS Sample Id: 7672880-1-BKS

Prep Method: SW5030B

Date Prep: 03.03.19

LCSD Sample Id: 7672880-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000386	0.100	0.125	125	0.122	122	70-130	2	35	mg/kg	03.03.19 20:19	
Toluene	<0.000457	0.100	0.118	118	0.116	116	70-130	2	35	mg/kg	03.03.19 20:19	
Ethylbenzene	<0.000567	0.100	0.108	108	0.106	106	70-130	2	35	mg/kg	03.03.19 20:19	
m,p-Xylenes	<0.00102	0.201	0.218	108	0.214	108	70-130	2	35	mg/kg	03.03.19 20:19	
o-Xylene	<0.000346	0.100	0.105	105	0.103	103	70-130	2	35	mg/kg	03.03.19 20:19	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	116		113		112		70-130	%	03.03.19 20:19
4-Bromofluorobenzene	99		101		100		70-130	%	03.03.19 20:19

Analytical Method: BTEX by EPA 8021B

Seq Number: 3080943

Parent Sample Id: 615614-001

Matrix: Soil

MS Sample Id: 615614-001 S

Prep Method: SW5030B

Date Prep: 03.03.19

MSD Sample Id: 615614-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000388	0.101	0.134	133	0.0773	155	70-130	54	35	mg/kg	03.03.19 20:57	XF
Toluene	0.000928	0.101	0.0970	95	0.0624	123	70-130	43	35	mg/kg	03.03.19 20:57	F
Ethylbenzene	<0.000569	0.101	0.0805	80	0.0523	105	70-130	42	35	mg/kg	03.03.19 20:57	F
m,p-Xylenes	0.00118	0.202	0.162	80	0.111	110	70-130	37	35	mg/kg	03.03.19 20:57	F
o-Xylene	0.000489	0.101	0.0780	77	0.0542	107	70-130	36	35	mg/kg	03.03.19 20:57	F

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	117		109		70-130	%	03.03.19 20:57
4-Bromofluorobenzene	103		119		70-130	%	03.03.19 20:57

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



CHAIN OF CUSTODY RECORD

Page 1 of 1

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

LAB W.O # :

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
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
C. H_2SO_4 G. $\text{Na}_2\text{S}_2\text{O}_3$ 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

Call with TPH results

Company: Trinity Oilfield Services & Rentals, LLC	Phone: (575)390-7208
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Address:	P.O. Box 2587	Fax:
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City:	Hobbs	State:	NM	Zip:	88241
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PM/Attn: Ben J. Arguijo	Email: wade.dittrich@oxy.com & ben@trinityoilfieldservices.com
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Project ID:	Fred Turner, Jr B 0004	PO#:
-------------	------------------------	------

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

Sampler Name: Josh Halcomb	Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A
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Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field Filtered	Integrity OK (Y/N)	Total # of
__1	SP-15 W. Floor @ 5'	2/21/19	0911	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

[illegible]

Hold Sample	(CALL _____)	Run PAH

Reg. Program / Clean-up Std						STATE for Certs & Regs								QA/QC Level & Certification								EDDs		COC & Labels		Coolers Temp °C		Lab Use Only		YES NO NA											
CTLs	TRRP	DW	NPDES	LPST	DryCln	FL	TX	GA	NC	SC	NJ	PA	OK	1	2	3	4	CLP	AFCEE	QAPP	ADaPT	EDD	ERPIMS	Match	Incomplete	Coolers Temp °C		Non-Conformances found?													
Other:						LA	AL	NM	Other:					NELAC	DoD-ELAP	Other:					XLS	Other:		Absent	Unclear	1 042038		Samples intact upon arrival?													
	Relinquished by					Affiliation								Date		Time		Received by		Affiliation		Date		Time		Received on Wet Ice?		Labeled with proper preservatives?		Received within holding time?		Custody seals intact?		VOCs rec'd w/o headspace?		Proper containers used?		pH verified-acceptable, excl VOCs?		Received on time to meet HTs?	
1	Josh Halcomb					Trinity								2/21/19		4:23		3 Jessica Reif		MS		2/21/19		4:23																	
2	Jessica Fuentes					MS								2/21/19		4:33		Belle		Xenex		2/22/19		1718																	
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

Revision Date: Nov 12, 2009

Final 1.000

Page 12 of 14

Released to Imaging: 9/20/2022 2:30:25 PM

ORIGIN ID: H08A (5/5) 392/050
** MAIL SERVICES ETC, LLC
4008 N GRIMES
HOBBS, NM 88240
UNITED STATES US

SHIP DATE: 21 FEB 19
ACTWGT: 40.00 LB MAN
COD: 0909328/GAF3271
DIM: 24x15x14 IN
BILL RECIPIENT

551C2/REC3D/104C

Q: XENCO LABORATORIES
FEDEX EXPRESS SHIP CENTER
FEDEX SHIP CENTER
3600 COUNTY RD 1276 S
MIDLAND TX 79711
(432) 563-1800

REF: DEPT:



FedEx
Express



FRI - 22 FEB HOLD
STANDARD OVERNIGHT HLD
MAFA
TX-US LBB

TRK# 4705 2520 2323
41 MAFA



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Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 02/22/2019 02:18:00 PM

Work Order #: 615525

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)?	.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:

Brianna Teel

Date: 02/22/2019

Checklist reviewed by:

Holly Taylor

Date: 02/26/2019

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 23664

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 23664
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
mbratcher	Final C-141 has been closed	9/20/2022