

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Partial Backfill Request



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

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

Surface Owner: US BLM Mineral Owner: US BLM

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

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

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

NMOCD Ranking Score: 0 Soil Remediation Levels (mg/kg): Benzene: 10 BTEX: 50 TPH: ☐ 100 Chloride: ☐ 250
☐ 1,000 ☒ 600
☒ 5,000

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

Background Information:

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

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

Summary of Field Activities:

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

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

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

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

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Summary of Field Activities (cont.):

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

On December 13, 2017, pursuant to the NMOCD- and BLM-approved "Environmental Site Summary & Spill Remediation Plan (Revised)", dated October 26, 2017 (henceforth referred to as "Work Plan"), remediation of impacted soil commenced at the site. To facilitate remediation activities, the release site was subdivided into two (2) sections: Section A, the area of the former storage tank and razed containment area, which is represented by soil samples SP-1, SP-2, SP-3, SP-6, and SP-9; and Section B, the area around the on-site well and pump jack and extending to the inferred termini of the release flow paths, which is represented by soil samples SP-4 and SP-5 and delineation trenches SP-7 and SP-8.

Soil samples were collected from the existing sidewalls of Section A and field-screened with a chloride test kit. A confirmation soil sample (Section A - Wall #3) was submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated contaminant concentrations were below the RRALs established for the site, and horizontal delineation of the area had been achieved. However, field screen results indicated additional horizontal delineation of the remainder of Section A was required.

Delineation trenches were then advanced to determine the horizontal extent of impacted soil in Section B and the remainder of Section A. The delineation trenches were spaced approximately 50 feet apart along the inferred margins of the release and were advanced horizontally outward (to the extent practicable) in increments ranging from 1 foot to 10 feet, based on the results of concurrent chloride field tests. The trenches were advanced vertically to depths ranging from 1 foot to 4 feet (i.e., the depth of the hard rock layer running underneath the site).

Based on field screens of soil samples collected from the delineation trenches, it is believed that the release may have commingled with a historical release (or series of releases).

From December 14 through December 22, 2017, the excavation was advanced horizontally to the extent delineated via trenching and vertically to the depths proposed in the approved Work Plan:

- 1 foot bgs in Section A and the area represented by borehole SP-4.
- 2 feet bgs in the area represented by borehole SP-5.
- 4 feet bgs in the area represented by boreholes/delineation trenches SP-7 and SP-8.

All excavated soil was transported to Lea Land, Inc. (NMOCD Permit #WM-01-035), for disposal.

Confirmation soil samples collected from the sidewalls of the excavations (i.e., Section A - Wall #1 and Wall #2 and Section B - Wall #1 through Wall #15) were submitted to the laboratory for analysis of chloride, TPH, and/or BTEX concentrations. Laboratory analytical results indicated TPH and BTEX concentrations in all submitted soil samples were below the RRALs established for the site, and horizontal delineation of the release had been achieved in most areas. However, chloride concentrations above the RRAL were present in soil samples Section A - Wall #1 and Section B - Walls #1, #2, #3, #11, #14, and #15.

On December 27, 2017, the excavation was advanced in the area represented by soil sample Section A - Wall #1 until field screen results suggested the chloride concentration was below the RRAL of 600 mg/kg. A confirmation sample (Section A - Wall #1b) collected from the sidewall of the excavation was submitted to the laboratory for analysis of chloride, TPH, and/or BTEX concentrations. Laboratory analytical results indicated TPH and BTEX concentrations were below the RRALs established for the site. However, the chloride concentration of 618 mg/kg slightly exceeded the RRAL, and additional excavation is required.

On December 29, 2017, Section A was advanced horizontally to the south, to the extent delineated via trenching. A soil sample (Section A - Wall #4) collected from the sidewall of the excavation was submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated all contaminant concentrations were below the RRALs established for the site, and horizontal delineation of the area had been achieved.

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Summary of Field Activities (cont.):

Further delineation and/or excavation of the areas represented by soil samples Section B - Walls #2 and #3 was precluded by the presence of active pipes, appurtenances, and electrical lines adjacent to the excavation. Similarly, further delineation/excavation of the area represented by Section B - Wall #11 was precluded by the presence of a replacement storage tank temporarily stored on-site.

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

Partial Backfill Request & Proposed Activities:

To expedite reconstruction and rebuilding of the storage facility and containment area, Oxy hereby requests permission from the NMOCD and BLM to install a 20-mil liner in the areas represented by boreholes/delineation trenches SP-7 and SP-8 (as described in the Work Plan) and backfill the Section A and Section B excavations with locally acquired, non-impacted material. Soil samples collected from the sidewalls of the excavations were analyzed by an NMOCD-approved laboratory, and concentrations of chloride, TPH, and BTEX were below the RRALs established for the site, with the exceptions of soil samples Section A - Wall #1b and Section B - Walls #1, #2, #3, #11, #14, and #15, as detailed above.

Once the storage facility has been rebuilt, additional delineation and excavation will be conducted in the areas represented by soil samples Section A - Wall #1b and Section B - Walls #1, #11, #14, and #15. Additional sections of 20-mil polyurethane liner will be installed at approximately 4 feet bgs in the newly excavated areas of Section B - Walls #11, #14, and #15, and the new liners will be chemically welded to the existing liner to form a continuous surface. No additional delineation or excavation will be conducted in the areas represented by soil samples Section B - Walls #2 and #3.

Upon completion of the aforementioned corrective actions, a "Remediation Summary" will be submitted to the NMOCD and BLM, documenting remediation activities and results of confirmation soil samples.

Enclosures:

Figure 1: Site Location Map

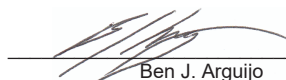
Figure 2: Sample Location Map

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

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

Appendix B: Photographs

Appendix C: Laboratory Analytical Results


Ben J. Arguijo
Project Manager

3/1/2018

Figures

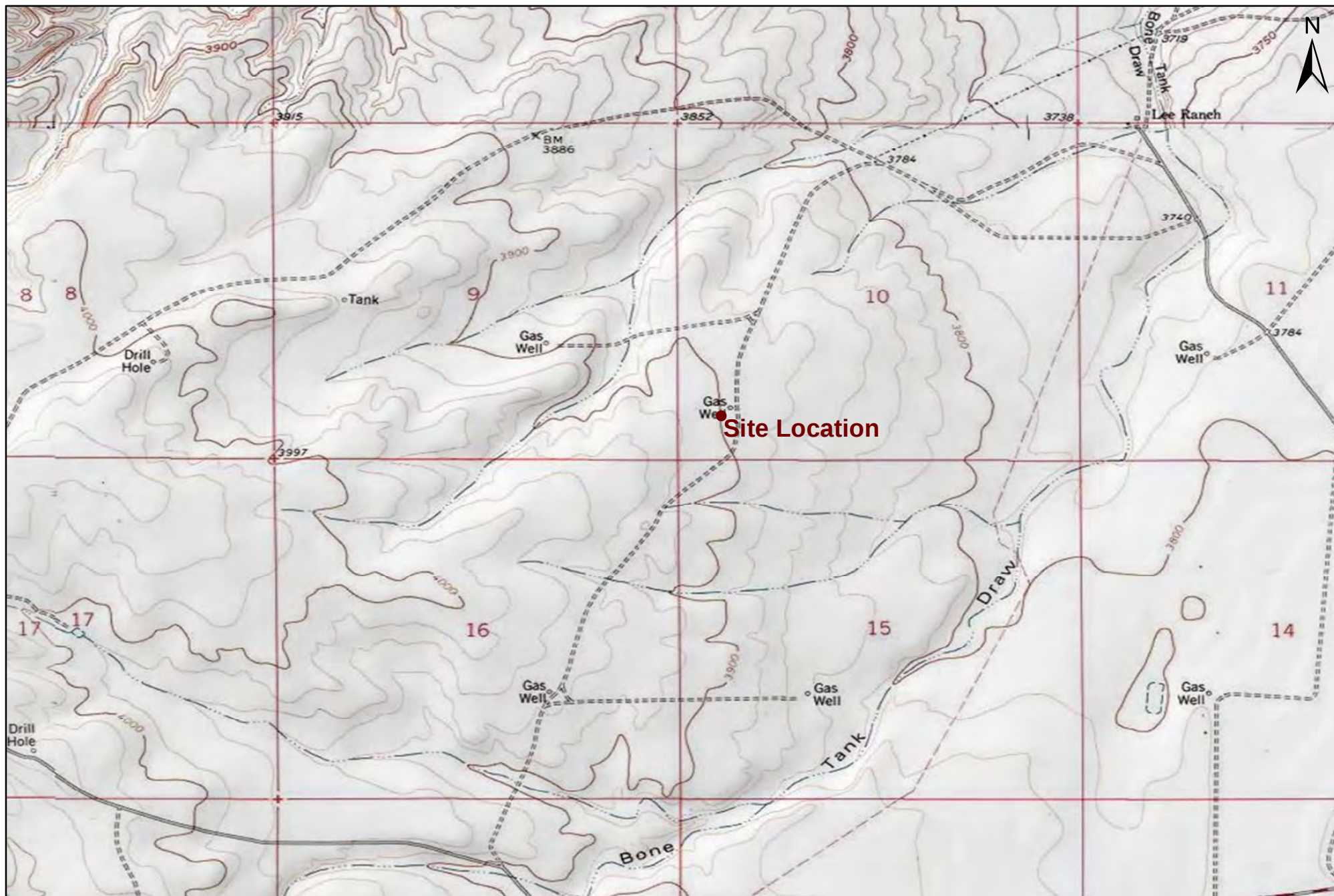
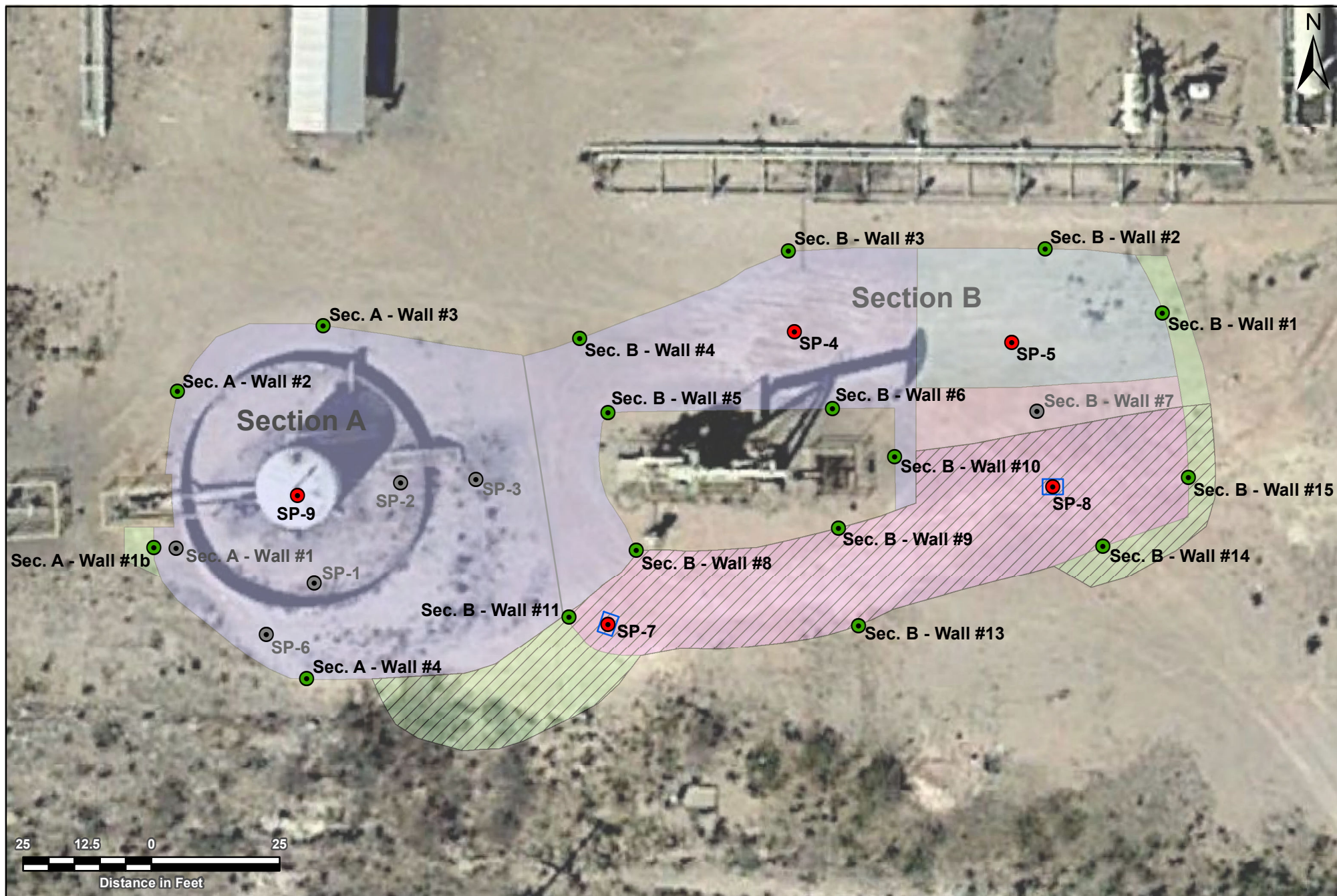


Figure 1
Site Location Map
OXY USA, Inc.
Indian Basin Station 210
Eddy County, New Mexico
NMOCD Reference #: 2RP-4322



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

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



Legend

Excavation Depth

1' bgs

2' bgs

2' - 3' bgs

4' bgs

Proposed Excavation

Proposed Liner

Delineation Trench

Auger Hole

Wall Sample

Excavated Sample

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



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

Drawn By: BJA	Checked By: CTR
March 2, 2018	Scale: 1" = 25'

Tables

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

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



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030							METHOD: 8015M				300.1
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	EXT DRO C ₂₈ -C ₃₅ (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Levels (RRALs)				10	NE	NE	NE	NE	NE	50	NE	NE	NE	5,000	600
SP-1	0.5'	7/26/2017	Excavated	0.0043	0.0421	0.0182	0.0555	0.0334	0.0889	0.154	58.2	179	<15.0	237	2,950
SP-2	0.5'	7/26/2017	Excavated	<0.0020	0.0108	0.0042	0.0160	0.0091	0.0251	0.0401	37.8	192	<14.9	230	2,950
SP-3	0.5'	7/26/2017	Excavated	<0.0020	0.0049	<0.0020	0.0100	0.0048	0.0148	0.0197	<15.0	<15.0	<15.0	<15.0	2,430
SP-4	0.5'	7/26/2017	Excavated	<0.0020	0.0100	0.0027	0.0085	0.0036	0.0121	0.0247	<15.0	43.0	<15.0	43.0	1,220
SP-5	0.5'	7/26/2017	Excavated	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	1,080
SP-6	0.5'	7/26/2017	Excavated	<0.0020	0.0411	0.0454	0.3070	0.0704	0.3770	0.4640	233	398	<15.0	631	3,100
SP-7	0.5'	7/26/2017	Excavated	<0.0020	0.0023	<0.0020	0.0062	0.0031	0.0093	0.0116	<15.0	<15.0	<15.0	<15.0	2,430
SP-8	0.5'	7/26/2017	Excavated	<0.0020	<0.0020	0.0027	0.0120	0.0040	0.0160	0.0187	<15.0	83.6	<15.0	83.6	1,550
SP-7 @ 2'	2'	9/7/2017	Excavated	<0.0020	<0.0020	<0.0020	<0.0040	0.0025	0.0025	0.0025	<15.0	<15.0	<15.0	<15.0	869
SP-7 @ 5'	5'	9/7/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	46.3	<14.9	46.3	1,160
SP-8 @ 1'	1'	9/7/2017	Excavated	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	1,370
SP-8 @ 3'	3'	9/7/2017	Excavated	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	45.8	<15.0	45.8	1,020
SP-4 @ 2'	2'	10/12/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	162
SP-4 @ 4'	4'	10/12/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	26.3	<15.0	26.3	82.1
SP-5 @ 3'	3'	10/12/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	872
SP-5 @ 5'	5'	10/12/2017	In-Situ	-	-	-	-	-	-	-	-	-	-	-	612
SP-5 @ 6'	6'	10/12/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	550
SP-7 @ 6'	6'	10/12/2017	In-Situ	-	-	-	-	-	-	-	-	-	-	-	33.2
SP-7 @ 7'	7'	10/12/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	20.5	<15.0	20.5	323
SP-8 @ 4'	4'	10/12/2017	In-Situ	-	-	-	-	-	-	-	-	-	-	-	184
SP-8 @ 5'	5'	10/12/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	150
SP-9 @ 2'	2'	10/12/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	139
SP-9 @ 5'	5'	10/12/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	17.5
Section A - Wall #1	6"	12/22/2017	Excavated	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	1,150
Section A - Wall #1b	6"	12/27/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	618
Section A - Wall #2	6"	12/22/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	179
Section A - Wall #3	6"	12/13/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	0.0031	0.0031	0.0031	<15.0	<15.0	<15.0	<15.0	512
Section A - Wall #4	6"	12/29/2017	In-Situ	<0.0020	<0.0020	0.0053	0.0048	<0.0020	0.0048	0.0101	<15.0	<15.0	19.7	19.7	290
Section B - Wall #1	2.5'	12/19/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	823
Section B - Wall #2	2.5'	12/19/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	1,130
Section B - Wall #3	2.5'	12/19/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	844
Section B - Wall #4	2.5'	12/19/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	363
Section B - Wall #5	2.5'	12/20/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	275
Section B - Wall #6	2.5'	12/19/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	292
Section B - Wall #8	2.5'	12/20/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	255

NE = Not established

- = Not analyzed

Concentrations in BOLD exceed NMOCD RRALs

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

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



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030							METHOD: 8015M				300.1
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	EXT DRO C ₂₈ -C ₃₅ (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Levels (RRALs)				10	NE	NE	NE	NE	NE	50	NE	NE	NE	5,000	600
Section B - Wall #9	2.5'	12/21/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	114
Section B - Wall #10	2.5'	12/21/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	445
Section B - Wall #11	2.5'	12/22/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	2,070
Section B - Wall #12	2.5'	12/21/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	271
Section B - Wall #13	2.5'	12/21/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	493
Section B - Wall #14	2.5'	12/21/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	980
Section B - Wall #15	2.5'	12/21/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	622

NE = Not established

- = Not analyzed

Concentrations in BOLD exceed NMOCD RRALs

Appendices

Appendix A

Release Notification &

Corrective Action (Form C-141)

NM OIL CONSERVATION

ARTESIA DISTRICT

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

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

AUG 09 2017

Form C-141
Revised April 3, 2017

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

FAB1722256833

Release Notification and Corrective Action

NAB1722257112

OPERATOR

☒ Initial Report ☐ Final Report

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

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

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

Latitude 32.48752 Longitude -104.59618 NAD83

NATURE OF RELEASE

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

If a Watercourse was Impacted, Describe Fully.*

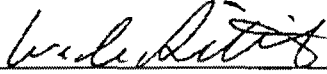
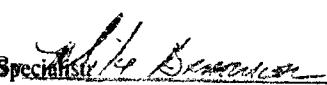
Describe Cause of Problem and Remedial Action Taken.*

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

Describe Area Affected and Cleanup Action Taken.*

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

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

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

* Attach Additional Sheets If Necessary

8/10/17 AB

Appendix B

Photographs



Indian Basin Station 210 - Release (Looking West)



Indian Basin Station 210 - Release (Looking Northwest)



Indian Basin Station 210 – Release (Looking Northwest)



Indian Basin Station 210 – Release (Looking North)



Indian Basin Station 210 – Release (Looking East)



Indian Basin Station 210 – Release (Looking Northwest)



Indian Basin Station 210 – Release (Looking East)



Indian Basin Station 210 – Release (Looking East)



Indian Basin Station 210 – Release (Looking Northeast)



Indian Basin Station 210 – Release (Looking East)



Indian Basin Station 210 – Release (Looking East)



Indian Basin Station 210 – Excavation, Section A (Looking West)



Indian Basin Station 210 - Excavation, Section A (Looking Northwest)



Indian Basin Station 210 - Excavation, Section A (Looking Southwest)



Indian Basin Station 210 – Excavation, Section B (Looking East-Southeast to Section A)



Indian Basin Station 210 – Excavation, Section A/B Boundary (Looking North)



Indian Basin Station 210 - Excavation, Section B (Looking West)



Indian Basin Station 210 – Excavation, Section B (Looking West-Northwest)



Indian Basin Station 210 – Excavation, Section B (Looking Southeast)



Indian Basin Station 210 – Excavation, Section B (Looking North)



Indian Basin Station 210 - Excavation, Section B (Looking South)



Indian Basin Station 210 - Excavation, Section B (Looking South-Southwest)



Indian Basin Station 210 – Excavation, Section B (Looking Southeast)



Indian Basin Station 210 - Excavation, Section B (Looking South-Southeast)



Indian Basin Station 210 – Excavation, Section B (Looking Southeast)



Indian Basin Station 210 - Excavation, Section B (Looking East-Northeast)

Appendix C

Laboratory Analytical Reports



Certificate of Analysis Summary 558337

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Indian Basin Station 210



Project Id:

Contact: Ben Arguijo

Project Location:

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

Report Date: 03-AUG-17

Project Manager: Holly Taylor

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

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

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

Holly Taylor
Project Manager



Certificate of Analysis Summary 558337

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Indian Basin Station 210



Project Id:

Contact: Ben Arguijo

Project Location:

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

Report Date: 03-AUG-17

Project Manager: Holly Taylor

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

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

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

Holly Taylor
Project Manager

Analytical Report 558337
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo
Indian Basin Station 210

03-AUG-17

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

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

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



03-AUG-17

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

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

Ben Arguijo:

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

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

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

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

Respectfully,

Holly Taylor
Project Manager

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

Certified and approved by numerous States and Agencies.

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



Sample Cross Reference 558337



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

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



CASE NARRATIVE

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

Project Name: *Indian Basin Station 210*

Project ID:
Work Order Number(s): 558337

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

Sample receipt non conformance and comments:

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

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

Sample receipt non conformance and comments per sample:

None

Analytical non conformance and comments:

Batch: LBA-3023326 BTEX by EPA 8021B

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

Batch: LBA-3023433 Inorganic Anions by EPA 300

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

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



Certificate of Analytical Results 558337



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

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

Matrix: Soil
Date Collected: 07.20.17 14.00

Date Received: 07.24.17 15.31

Analytical Method: Chloride by EPA 300

Tech: MGO

Analyst: MGO

Seq Number: 3023433

Prep Method: E300P

% Moisture:

Date Prep: 07.27.17 15.00

Basis: Wet Weight

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

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3023496

Prep Method: TX1005P

% Moisture:

Date Prep: 07.26.17 17.00

Basis: Wet Weight

SUB: T104704400

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	58.2	15.0	mg/kg	07.26.17 17.21		1
Diesel Range Organics (DRO)	C10C28DRO	179	15.0	mg/kg	07.26.17 17.21		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	07.26.17 17.21	U	1
Total TPH	PHC635	237	15.0	mg/kg	07.26.17 17.21		1

Surrogate

1-Chlorooctane

o-Terphenyl

Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
111-85-3	98	%	70-135	07.26.17 17.21	
84-15-1	115	%	70-135	07.26.17 17.21	



Certificate of Analytical Results 558337



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

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

Matrix: Soil
Date Collected: 07.20.17 14.00

Date Received: 07.24.17 15.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 07.26.17 15.00

Basis: Wet Weight

Seq Number: 3023326

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



Certificate of Analytical Results 558337



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

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

Matrix: Soil
Date Collected: 07.20.17 14.05

Date Received: 07.24.17 15.31

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

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

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

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

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

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	37.8	14.9	mg/kg	07.26.17 18.40		1
Diesel Range Organics (DRO)	C10C28DRO	192	14.9	mg/kg	07.26.17 18.40		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	07.26.17 18.40	U	1
Total TPH	PHC635	230	14.9	mg/kg	07.26.17 18.40		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	93	%	70-135	07.26.17 18.40		
o-Terphenyl	84-15-1	109	%	70-135	07.26.17 18.40		



Certificate of Analytical Results 558337



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

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

Matrix: Soil
Date Collected: 07.20.17 14.05

Date Received: 07.24.17 15.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 07.26.17 15.00

Basis: Wet Weight

Seq Number: 3023326

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



Certificate of Analytical Results 558337



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

Sample Id: **SP-3** Matrix: Soil Date Received: 07.24.17 15.31
Lab Sample Id: 558337-003 Date Collected: 07.20.17 14.10
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MGO % Moisture:
Analyst: MGO Date Prep: 07.27.17 15.00 Basis: Wet Weight
Seq Number: 3023433

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

Analytical Method: TPH By SW8015 Mod Prep Method: TX1005P
Tech: ARM % Moisture:
Analyst: ARM Date Prep: 07.26.17 17.00 Basis: Wet Weight
Seq Number: 3023496 SUB: T104704400

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.26.17 19.05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.26.17 19.05	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	07.26.17 19.05	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.26.17 19.05	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	91	%	70-135	07.26.17 19.05		
o-Terphenyl	84-15-1	108	%	70-135	07.26.17 19.05		



Certificate of Analytical Results 558337



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

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

Matrix: Soil
Date Collected: 07.20.17 14.10

Date Received: 07.24.17 15.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 07.26.17 15.00

Basis: Wet Weight

Seq Number: 3023326

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



Certificate of Analytical Results 558337



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

Sample Id: **SP-4** Matrix: Soil Date Received: 07.24.17 15.31
Lab Sample Id: 558337-004 Date Collected: 07.20.17 14.15
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MGO % Moisture:
Analyst: MGO Date Prep: 07.27.17 15.00 Basis: Wet Weight
Seq Number: 3023433

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

Analytical Method: TPH By SW8015 Mod Prep Method: TX1005P
Tech: ARM % Moisture:
Analyst: ARM Date Prep: 07.26.17 17.00 Basis: Wet Weight
Seq Number: 3023496 SUB: T104704400

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

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



Certificate of Analytical Results 558337



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

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

Matrix: Soil
Date Collected: 07.20.17 14.15

Date Received: 07.24.17 15.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 07.26.17 15.00

Basis: Wet Weight

Seq Number: 3023326

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



Certificate of Analytical Results 558337



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

Sample Id: **SP-5** Matrix: Soil Date Received: 07.24.17 15.31
Lab Sample Id: 558337-005 Date Collected: 07.20.17 14.20
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MGO % Moisture:
Analyst: MGO Date Prep: 07.27.17 15.00 Basis: Wet Weight
Seq Number: 3023433

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

Analytical Method: TPH By SW8015 Mod Prep Method: TX1005P
Tech: ARM % Moisture:
Analyst: ARM Date Prep: 07.26.17 17.00 Basis: Wet Weight
Seq Number: 3023496 SUB: T104704400

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



Certificate of Analytical Results 558337



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

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

Matrix: Soil
Date Collected: 07.20.17 14.20

Date Received: 07.24.17 15.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 07.26.17 15.00

Basis: Wet Weight

Seq Number: 3023326

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



Certificate of Analytical Results 558337



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

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

Matrix: Soil
Date Collected: 07.20.17 14.25

Date Received: 07.24.17 15.31

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

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

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

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

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

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



Certificate of Analytical Results 558337



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

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

Matrix: Soil
Date Collected: 07.20.17 14.25

Date Received: 07.24.17 15.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 07.26.17 15.00

Basis: Wet Weight

Seq Number: 3023326

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



Certificate of Analytical Results 558337



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

Sample Id: **SP-7** Matrix: Soil Date Received: 07.24.17 15.31
Lab Sample Id: 558337-007 Date Collected: 07.20.17 14.30
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MGO % Moisture:
Analyst: MGO Date Prep: 07.27.17 15.00 Basis: Wet Weight
Seq Number: 3023433

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

Analytical Method: TPH By SW8015 Mod Prep Method: TX1005P
Tech: ARM % Moisture:
Analyst: ARM Date Prep: 07.26.17 17.00 Basis: Wet Weight
Seq Number: 3023496 SUB: T104704400

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	07.26.17 20.48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	07.26.17 20.48	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	07.26.17 20.48	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	07.26.17 20.48	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	91	%	70-135	07.26.17 20.48		
o-Terphenyl	84-15-1	107	%	70-135	07.26.17 20.48		



Certificate of Analytical Results 558337



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

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

Matrix: Soil
Date Collected: 07.20.17 14.30

Date Received: 07.24.17 15.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 07.26.17 15.00

Basis: Wet Weight

Seq Number: 3023326

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



Certificate of Analytical Results 558337



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

Sample Id: **SP-8** Matrix: Soil Date Received: 07.24.17 15.31
Lab Sample Id: 558337-008 Date Collected: 07.20.17 14.35
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MGO % Moisture:
Analyst: MGO Date Prep: 07.27.17 15.00 Basis: Wet Weight
Seq Number: 3023433

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

Analytical Method: TPH By SW8015 Mod Prep Method: TX1005P
Tech: ARM % Moisture:
Analyst: ARM Date Prep: 07.26.17 17.00 Basis: Wet Weight
Seq Number: 3023496 SUB: T104704400

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

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



Certificate of Analytical Results 558337



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

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

Matrix: Soil
Date Collected: 07.20.17 14.35

Date Received: 07.24.17 15.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 07.26.17 15.00

Basis: Wet Weight

Seq Number: 3023326

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

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

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

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

Seq Number: 3023433

MB Sample Id: 728362-1-BLK

Matrix: Solid

LCS Sample Id: 728362-1-BKS

Prep Method: E300P

Date Prep: 07.27.17

LCSD Sample Id: 728362-1-BSD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3023433

Parent Sample Id: 558057-001

Matrix: Soil

MS Sample Id: 558057-001 S

Prep Method: E300P

Date Prep: 07.27.17

MSD Sample Id: 558057-001 SD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3023433

Parent Sample Id: 558337-005

Matrix: Soil

MS Sample Id: 558337-005 S

Prep Method: E300P

Date Prep: 07.27.17

MSD Sample Id: 558337-005 SD

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

Analytical Method: TPH By SW8015 Mod

Seq Number: 3023496

MB Sample Id: 728363-1-BLK

Matrix: Solid

LCS Sample Id: 728363-1-BKS

Prep Method: TX1005P

Date Prep: 07.26.17

LCSD Sample Id: 728363-1-BSD

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

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

Trinity Oilfield Services & Rentals, LLC
Indian Basin Station 210

Analytical Method: TPH By SW8015 Mod

Seq Number: 3023496

Parent Sample Id: 558337-001

Matrix: Soil

MS Sample Id: 558337-001 S

Prep Method: TX1005P

Date Prep: 07.26.17

MSD Sample Id: 558337-001 SD

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

Surrogate

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

Analytical Method: BTEX by EPA 8021B

Seq Number: 3023326

MB Sample Id: 728303-1-BLK

Matrix: Solid

LCS Sample Id: 728303-1-BKS

Prep Method: SW5030B

Date Prep: 07.26.17

LCSD Sample Id: 728303-1-BSD

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

Surrogate

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

Analytical Method: BTEX by EPA 8021B

Seq Number: 3023326

Parent Sample Id: 558338-012

Matrix: Soil

MS Sample Id: 558338-012 S

Prep Method: SW5030B

Date Prep: 07.26.17

MSD Sample Id: 558338-012 SD

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

Surrogate

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



CHAIN OF CUSTODY RECORD

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

Page 1 of 1

LAB W.O #:

558337

Field billable Hrs :

* Container Type Codes

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

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

** Preservative Type Codes

A. None E. HCL I. Ice C.
B. HNO₃ F. MeOH J. MCAA
H₂SO₄ G. Na₂SO₃ 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

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

Company:	Trinity Oilfield Services & Rentals, LLC	Phone:	(575)390-7208
Address:	P.O. Box 2587	Fax:	
City:	Hobbs	State:	NM Zip: 88241
PM/Attn:	Ben J. Arguijo	Email:	wade.dillich@oxy.com & ben@trinityoilfieldservices.com
Project ID:	Indian Basin Station 210	PO#:	
Invoice To:	Oxy - Wade Dillich (575)390-2828	Quote #:	
Sampler Name:	Ben J. Arguijo	Circle One Event:	Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

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

Reg. Program / Clean-up Std	STATE for Certs & Regs	QA/QC Level & Certification	EDDs	COC & Labels	Coolers Temp °C	Lab Use Only	YES NO N/A
CTLs TRRP DW NPDES LPST DryCln Other:	FL TX GA NC SC NJ PA OK LA AL NM Other:	1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:	ADAPT SEDD ERPIMS XLS Other:	Match Incomplete Absent Unclear	10-12 3	Non-Conformances found? Samples intact upon arrival? Received on Well line? Labeled with proper preservatives? Received within holding time? Custody seals intact? VOCs rec'd w/o headspace? Proper containers used? pH verified-acceptable, and VOCs? Received on time to meet HTs?	____
Relinquished By:	Attestation:	Date:	Time:	Received by:	Attestation:	Date:	Time:
1	[Signature]	7/24/17	1531	[Signature]	MS	7-24-17	8:31
2				[Signature]	Xenco	7-25-17	11:00
3							
4							

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

C.O.C. Serial #

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



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

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

Work Order #: 558337

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

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

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Jessica Kramer

Jessica Kramer

Date: 07/25/2017

Checklist reviewed by:

Brandi Ritcherson

Brandi Ritcherson

Date: 07/25/2017



Certificate of Analysis Summary 562531

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Indian Basin Station 210



Project Id:

Contact: Ben Arguijo

Project Location: NM

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

Report Date: 22-SEP-17

Project Manager: Holly Taylor

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

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

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

Holly Taylor
Project Manager

Analytical Report 562531
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo
Indian Basin Station 210

22-SEP-17

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

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

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



22-SEP-17

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

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

Ben Arguijo:

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

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

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

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

Respectfully,

Holly Taylor
Project Manager

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 562531



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

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



CASE NARRATIVE

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

Project Name: *Indian Basin Station 210*

Project ID:
Work Order Number(s): 562531

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

Sample receipt non conformance and comments:

None

Sample receipt non conformance and comments per sample:

None

Analytical non conformance and comments:

Batch: LBA-3027595 BTEX by EPA 8021B

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

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

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

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

Batch: LBA-3027682 BTEX by EPA 8021B

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

Batch: LBA-3027739 BTEX by EPA 8021B

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



Certificate of Analytical Results 562531



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

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

Matrix: Soil
Date Collected: 09.07.17 13.53

Date Received: 09.11.17 09.23

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3028327

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Date Prep: 09.20.17 14.50

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

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3027864

Prep Method: TX1005P

% Moisture:

Basis: Wet Weight

Date Prep: 09.15.17 18.00

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



Certificate of Analytical Results 562531



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

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

Matrix: Soil
Date Collected: 09.07.17 13.53

Date Received: 09.11.17 09.23

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.14.17 08.37

Basis: Wet Weight

Seq Number: 3027739

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



Certificate of Analytical Results 562531



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

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

Matrix: Soil
Date Collected: 09.07.17 14.11

Date Received: 09.11.17 09.23

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

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

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

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

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

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



Certificate of Analytical Results 562531



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

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

Matrix: Soil
Date Collected: 09.07.17 14.11

Date Received: 09.11.17 09.23

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.14.17 08.37

Basis: Wet Weight

Seq Number: 3027739

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



Certificate of Analytical Results 562531



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

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

Matrix: Soil
Date Collected: 09.07.17 14.50

Date Received: 09.11.17 09.23

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

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

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

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

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

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



Certificate of Analytical Results 562531



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

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

Matrix: Soil
Date Collected: 09.07.17 14.50

Date Received: 09.11.17 09.23

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.14.17 16.00

Basis: Wet Weight

Seq Number: 3027682

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



Certificate of Analytical Results 562531



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

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

Matrix: Soil

Date Received: 09.11.17 09.23

Lab Sample Id: 562531-004

Date Collected: 09.07.17 15.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 09.20.17 14.50

Basis: Wet Weight

Seq Number: 3028327

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

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 09.15.17 18.00

Basis: Wet Weight

Seq Number: 3027864

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



Certificate of Analytical Results 562531



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

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

Matrix: Soil
Date Collected: 09.07.17 15.20

Date Received: 09.11.17 09.23

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.13.17 13.00

Basis: Wet Weight

Seq Number: 3027595

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

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

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

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

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



QC Summary 562531

Trinity Oilfield Services & Rentals, LLC Indian Basin Station 210

Analytical Method: Chloride by EPA 300

Seq Number: 3028327

MB Sample Id: 731284-1-BLK

Matrix: Solid

LCS Sample Id: 731284-1-BKS

Prep Method: E300P

Date Prep: 09.20.17

LCSD Sample Id: 731284-1-BSD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3028327

Parent Sample Id: 562530-012

Matrix: Soil

MS Sample Id: 562530-012 S

Prep Method: E300P

Date Prep: 09.20.17

MSD Sample Id: 562530-012 SD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3028327

Parent Sample Id: 562800-018

Matrix: Soil

MS Sample Id: 562800-018 S

Prep Method: E300P

Date Prep: 09.20.17

MSD Sample Id: 562800-018 SD

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

Analytical Method: TPH By SW8015 Mod

Seq Number: 3027864

MB Sample Id: 731082-1-BLK

Matrix: Solid

LCS Sample Id: 731082-1-BKS

Prep Method: TX1005P

Date Prep: 09.15.17

LCSD Sample Id: 731082-1-BSD

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

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



QC Summary 562531

Trinity Oilfield Services & Rentals, LLC Indian Basin Station 210

Analytical Method: TPH By SW8015 Mod

Seq Number: 3027864

Parent Sample Id: 562531-001

Matrix: Soil

MS Sample Id: 562531-001 S

Prep Method: TX1005P

Date Prep: 09.15.17

MSD Sample Id: 562531-001 SD

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

Surrogate

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

Analytical Method: BTEX by EPA 8021B

Seq Number: 3027595

MB Sample Id: 730911-1-BLK

Matrix: Solid

LCS Sample Id: 730911-1-BKS

Prep Method: SW5030B

Date Prep: 09.13.17

LCSD Sample Id: 730911-1-BSD

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

Surrogate

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

Analytical Method: BTEX by EPA 8021B

Seq Number: 3027739

MB Sample Id: 730960-1-BLK

Matrix: Solid

LCS Sample Id: 730960-1-BKS

Prep Method: SW5030B

Date Prep: 09.14.17

LCSD Sample Id: 730960-1-BSD

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

Surrogate

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

Trinity Oilfield Services & Rentals, LLC
Indian Basin Station 210

Analytical Method: BTEX by EPA 8021B

Seq Number: 3027682

MB Sample Id: 730962-1-BLK

Matrix: Solid

LCS Sample Id: 730962-1-BKS

Prep Method: SW5030B

Date Prep: 09.14.17

LCSD Sample Id: 730962-1-BSD

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

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

Analytical Method: BTEX by EPA 8021B

Seq Number: 3027595

Parent Sample Id: 562531-004

Matrix: Soil

MS Sample Id: 562531-004 S

Prep Method: SW5030B

Date Prep: 09.13.17

MSD Sample Id: 562531-004 SD

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

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

Analytical Method: BTEX by EPA 8021B

Seq Number: 3027739

Parent Sample Id: 562530-002

Matrix: Soil

MS Sample Id: 562530-002 S

Prep Method: SW5030B

Date Prep: 09.14.17

MSD Sample Id: 562530-002 SD

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

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



Trinity Oilfield Services & Rentals, LLC
Indian Basin Station 210

Analytical Method: BTEX by EPA 8021B

Seq Number: 3027682

Parent Sample Id: 562531-003

Matrix: Soil

MS Sample Id: 562531-003 S

Prep Method: SW5030B

Date Prep: 09.14.17

MSD Sample Id: 562531-003 SD

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

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



CHAIN OF CUSTODY RECORD

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

Page 1 of 1

LAB W.O #:

Field billable Hrs :

562531

* Container Type Codes

VA	Vial Amber	ES	Encore Sampler
VC	Vial Clear	TS	TempCore Sampler
VP	Vial Pre-preserved	AC	Air Canister
GA	Glass Amber	TB	Toddler 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.	NaoSiO ₃	K.	ZnAc&NaOH
D.	NaOH	H.	NaHSO ₄	L.	Asbic Acid&NaOH
O.					

* Matrix Type Codes

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

REMARKS

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

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

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

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 DryGln Other:	FL TX GA NC SC NJ PA OK LA AL NM Other:	1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:	ADAPT SEDD ERPIMS XLS Other:	Match Incomplete Absent Unclear	1 2 3		Non-Conformance found?			
Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time	Samples intact upon arrival?		
1	Duskie Bennett	Trinity	9/11/17	0921	EG	MS	9-11	9:23	Received on Wet Ice?	
2					Shane Smith	Xenco	9-12-17	10:29	Labeled with proper preservatives?	
3									Received within holding time?	
4									Custody seals intact?	

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

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

Revision Da

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

sounds



XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

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

Work Order #: 562531

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

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

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Shawnee Smith

Date: 09/12/2017

Checklist reviewed by:

Holly Taylor

Date: 09/13/2017



Certificate of Analysis Summary 565630

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Indian Basin Station 210



Project Id:

Contact: Ben Arguijo

Project Location:

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

Report Date: 20-OCT-17

Project Manager: Holly Taylor

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

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

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

Holly Taylor
Project Manager



Certificate of Analysis Summary 565630

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Indian Basin Station 210



Project Id:

Contact: Ben Arguijo

Project Location:

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

Report Date: 20-OCT-17

Project Manager: Holly Taylor

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

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

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Holly Taylor
Project Manager

Analytical Report 565630
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo
Indian Basin Station 210

20-OCT-17

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

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

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

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



20-OCT-17

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

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

Ben Arguijo:

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

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

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

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

Respectfully,

Holly Taylor
Project Manager

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Sample Cross Reference 565630



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

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



CASE NARRATIVE

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

Project Name: *Indian Basin Station 210*

Project ID:
Work Order Number(s): 565630

Report Date: 20-OCT-17
Date Received: 10/13/2017

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3030625 BTEX by EPA 8021B

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

Batch: LBA-3030630 BTEX by EPA 8021B

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



Certificate of Analytical Results 565630



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

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

Matrix: Soil
Date Collected: 10.12.17 11.25

Date Received: 10.13.17 12.30

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

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

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

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

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

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.17.17 17.18	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	10.17.17 17.18	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.17.17 17.18	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	10.17.17 17.18	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	96	%	70-135	10.17.17 17.18		
o-Terphenyl	84-15-1	94	%	70-135	10.17.17 17.18		



Certificate of Analytical Results 565630



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

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

Matrix: Soil
Date Collected: 10.12.17 11.25

Date Received: 10.13.17 12.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.15.17 08.30

Basis: Wet Weight

Seq Number: 3030625

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



Certificate of Analytical Results 565630



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

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

Matrix: Soil
Date Collected: 10.12.17 11.35

Date Received: 10.13.17 12.30

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

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

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

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

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

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



Certificate of Analytical Results 565630



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

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

Matrix: Soil
Date Collected: 10.12.17 11.35

Date Received: 10.13.17 12.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.15.17 08.30

Basis: Wet Weight

Seq Number: 3030625

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



Certificate of Analytical Results 565630



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

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

Matrix: Soil
Date Collected: 10.12.17 10.35

Date Received: 10.13.17 12.30

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

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

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

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

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

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.17.17 18.40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	10.17.17 18.40	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.17.17 18.40	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	10.17.17 18.40	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	109	%	70-135	10.17.17 18.40		
o-Terphenyl	84-15-1	104	%	70-135	10.17.17 18.40		



Certificate of Analytical Results 565630



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

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

Matrix: Soil
Date Collected: 10.12.17 10.35

Date Received: 10.13.17 12.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.15.17 08.30

Basis: Wet Weight

Seq Number: 3030625

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



Certificate of Analytical Results 565630



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

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

Matrix: Soil

Date Received: 10.13.17 12.30

Lab Sample Id: 565630-004

Date Collected: 10.12.17 10.45

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.16.17 14.05

Basis: Wet Weight

Seq Number: 3030646

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



Certificate of Analytical Results 565630



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

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

Matrix: Soil
Date Collected: 10.12.17 11.05

Date Received: 10.13.17 12.30

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

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

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

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

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

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



Certificate of Analytical Results 565630



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

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

Matrix: Soil
Date Collected: 10.12.17 11.05

Date Received: 10.13.17 12.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.16.17 16.30

Basis: Wet Weight

Seq Number: 3030630

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



Certificate of Analytical Results 565630



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

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

Matrix: Soil

Date Received: 10.13.17 12.30

Lab Sample Id: 565630-006

Date Collected: 10.12.17 12.05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.16.17 14.05

Basis: Wet Weight

Seq Number: 3030646

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



Certificate of Analytical Results 565630



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

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

Matrix: Soil
Date Collected: 10.12.17 12.10

Date Received: 10.13.17 12.30

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

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

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

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

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

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.17.17 19.20	U	1
Diesel Range Organics (DRO)	C10C28DRO	20.5	15.0	mg/kg	10.17.17 19.20		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.17.17 19.20	U	1
Total TPH	PHC635	20.5	15.0	mg/kg	10.17.17 19.20		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	100	%	70-135	10.17.17 19.20		
o-Terphenyl	84-15-1	97	%	70-135	10.17.17 19.20		



Certificate of Analytical Results 565630



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

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

Matrix: Soil
Date Collected: 10.12.17 12.10

Date Received: 10.13.17 12.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.16.17 16.30

Basis: Wet Weight

Seq Number: 3030630

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



Certificate of Analytical Results 565630



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

Sample Id: **SP-8 @ 4'** Matrix: Soil Date Received: 10.13.17 12.30
Lab Sample Id: 565630-008 Date Collected: 10.12.17 10.15
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: MNV % Moisture:
Analyst: MNV Date Prep: 10.16.17 15.20 Basis: Wet Weight
Seq Number: 3030754

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



Certificate of Analytical Results 565630



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

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

Matrix: Soil

Date Received: 10.13.17 12.30

Lab Sample Id: 565630-009

Date Collected: 10.12.17 10.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.16.17 15.20

Basis: Wet Weight

Seq Number: 3030754

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

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.17.17 11.01

Basis: Wet Weight

Seq Number: 3030727

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

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



Certificate of Analytical Results 565630



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

Sample Id: **SP-8 @ 5'**
Lab Sample Id: 565630-009

Matrix: Soil
Date Collected: 10.12.17 10.20

Date Received: 10.13.17 12.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.16.17 16.30

Basis: Wet Weight

Seq Number: 3030630

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



Certificate of Analytical Results 565630



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

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

Matrix: Soil
Date Collected: 10.12.17 12.30

Date Received: 10.13.17 12.30

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3030754

Prep Method: E300P
% Moisture:
Basis: Wet Weight
Date Prep: 10.16.17 15.20

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

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

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

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



Certificate of Analytical Results 565630



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

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

Matrix: Soil
Date Collected: 10.12.17 12.30

Date Received: 10.13.17 12.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.16.17 16.30

Basis: Wet Weight

Seq Number: 3030630

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



Certificate of Analytical Results 565630



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

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

Matrix: Soil
Date Collected: 10.12.17 12.37

Date Received: 10.13.17 12.30

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3030754

Prep Method: E300P
% Moisture:
Date Prep: 10.16.17 15.20
Basis: Wet Weight

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

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

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

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.17.17 20.19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	10.17.17 20.19	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	10.17.17 20.19	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	10.17.17 20.19	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	104	%	70-135	10.17.17 20.19		
o-Terphenyl	84-15-1	103	%	70-135	10.17.17 20.19		



Certificate of Analytical Results 565630



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

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

Matrix: Soil
Date Collected: 10.12.17 12.37

Date Received: 10.13.17 12.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.16.17 16.30

Basis: Wet Weight

Seq Number: 3030630

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

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

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

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

Seq Number: 3030646

MB Sample Id: 7632697-1-BLK

Matrix: Solid

LCS Sample Id: 7632697-1-BKS

Prep Method: E300P

Date Prep: 10.16.17

LCSD Sample Id: 7632697-1-BSD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3030754

MB Sample Id: 7632699-1-BLK

Matrix: Solid

LCS Sample Id: 7632699-1-BKS

Prep Method: E300P

Date Prep: 10.16.17

LCSD Sample Id: 7632699-1-BSD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3030646

Parent Sample Id: 565529-001

Matrix: Soil

MS Sample Id: 565529-001 S

Prep Method: E300P

Date Prep: 10.16.17

MSD Sample Id: 565529-001 SD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3030646

Parent Sample Id: 565546-007

Matrix: Soil

MS Sample Id: 565546-007 S

Prep Method: E300P

Date Prep: 10.16.17

MSD Sample Id: 565546-007 SD

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

Analytical Method: Chloride by EPA 300

Seq Number: 3030754

Parent Sample Id: 565630-008

Matrix: Soil

MS Sample Id: 565630-008 S

Prep Method: E300P

Date Prep: 10.16.17

MSD Sample Id: 565630-008 SD

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



QC Summary 565630

Trinity Oilfield Services & Rentals, LLC Indian Basin Station 210

Analytical Method: TPH By SW8015 Mod

Seq Number: 3030727

MB Sample Id: 7632786-1-BLK

Matrix: Solid

LCS Sample Id: 7632786-1-BKS

Prep Method: TX1005P

Date Prep: 10.17.17

LCSD Sample Id: 7632786-1-BSD

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

Analytical Method: TPH By SW8015 Mod

Seq Number: 3030727

Parent Sample Id: 565630-001

Matrix: Soil

MS Sample Id: 565630-001 S

Prep Method: TX1005P

Date Prep: 10.17.17

MSD Sample Id: 565630-001 SD

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

Analytical Method: BTEX by EPA 8021B

Seq Number: 3030625

MB Sample Id: 7632745-1-BLK

Matrix: Solid

LCS Sample Id: 7632745-1-BKS

Prep Method: SW5030B

Date Prep: 10.15.17

LCSD Sample Id: 7632745-1-BSD

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

Trinity Oilfield Services & Rentals, LLC
Indian Basin Station 210

Analytical Method: BTEX by EPA 8021B

Seq Number: 3030630

MB Sample Id: 7632753-1-BLK

Matrix: Solid

LCS Sample Id: 7632753-1-BKS

Prep Method: SW5030B

Date Prep: 10.16.17

LCSD Sample Id: 7632753-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.126	125	0.117	117	70-130	7	35	mg/kg	10.16.17 19:10	
Toluene	<0.00202	0.101	0.122	121	0.124	124	70-130	2	35	mg/kg	10.16.17 19:10	
Ethylbenzene	<0.00202	0.101	0.115	114	0.115	115	71-129	0	35	mg/kg	10.16.17 19:10	
m,p-Xylenes	<0.00403	0.202	0.228	113	0.230	115	70-135	1	35	mg/kg	10.16.17 19:10	
o-Xylene	<0.00202	0.101	0.108	107	0.108	108	71-133	0	35	mg/kg	10.16.17 19:10	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits			Units	Analysis Date	
1,4-Difluorobenzene	107		107		106		80-120			%	10.16.17 19:10	
4-Bromofluorobenzene	119		109		103		80-120			%	10.16.17 19:10	

Analytical Method: BTEX by EPA 8021B

Seq Number: 3030625

Parent Sample Id: 565438-001

Matrix: Soil

MS Sample Id: 565438-001 S

Prep Method: SW5030B

Date Prep: 10.15.17

MSD Sample Id: 565438-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0682	68	0.0499	50	70-130	31	35	mg/kg	10.16.17 10:16	X
Toluene	<0.00200	0.0998	0.0628	63	0.0452	45	70-130	33	35	mg/kg	10.16.17 10:16	X
Ethylbenzene	<0.00200	0.0998	0.0507	51	0.0441	44	71-129	14	35	mg/kg	10.16.17 10:16	X
m,p-Xylenes	<0.00399	0.200	0.102	51	0.0802	40	70-135	24	35	mg/kg	10.16.17 10:16	X
o-Xylene	<0.00200	0.0998	0.0512	51	0.0441	44	71-133	15	35	mg/kg	10.16.17 10:16	X
Surrogate			MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits			Units	Analysis Date	
1,4-Difluorobenzene			103		97		80-120			%	10.16.17 10:16	
4-Bromofluorobenzene			102		95		80-120			%	10.16.17 10:16	

Analytical Method: BTEX by EPA 8021B

Seq Number: 3030630

Parent Sample Id: 565655-001

Matrix: Soil

MS Sample Id: 565655-001 S

Prep Method: SW5030B

Date Prep: 10.16.17

MSD Sample Id: 565655-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0965	97	0.109	109	70-130	12	35	mg/kg	10.16.17 19:48	
Toluene	<0.00200	0.0998	0.0596	60	0.0505	51	70-130	17	35	mg/kg	10.16.17 19:48	X
Ethylbenzene	<0.00200	0.0998	0.0341	34	0.0303	30	71-129	12	35	mg/kg	10.16.17 19:48	X
m,p-Xylenes	<0.00399	0.200	0.0631	32	0.0549	27	70-135	14	35	mg/kg	10.16.17 19:48	X
o-Xylene	<0.00200	0.0998	0.0296	30	0.0255	26	71-133	15	35	mg/kg	10.16.17 19:48	X
Surrogate				MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits		Units	Analysis Date	
1,4-Difluorobenzene				113		118		80-120		%	10.16.17 19:48	
4-Bromofluorobenzene				117		102		80-120		%	10.16.17 19:48	



CHAIN OF CUSTODY RECORD

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

Page 2 of 2

LAB W.O.#:

565630

Field billable Hrs:

* Container Type Codes

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

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

** Preservative Type Codes

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

^ Matrix Type Codes

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

REMARKS

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

Address: P.O. Box 2587 Fax:

City: Hobbs State: NM Zip: 88241

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

Project ID: Indian Basin Station 210 PO#:

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

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

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

TAT Work Days = D Need results by: Time:

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

ANALYSES REQUESTED

Cool Type *	GC	GC	GC												
VC															
Pres Type **	I	I	I												

Example Volatiles by 8260	Chloride	TPH 8015M	BTEX												

Cool: Lab Only:

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

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

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

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

C.O.C. Serial #

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

Final 1.000

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XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

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

Work Order #: 565630

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

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

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Jessica Kramer

Jessica Kramer

Date: 10/16/2017

Checklist reviewed by:

Holly Taylor

Holly Taylor

Date: 10/16/2017



Certificate of Analysis Summary 572053

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Indian Basin Station 210



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Thu Dec-21-17 04:12 pm

Report Date: 11-JAN-18

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	572053-001	572053-002	572053-003	572053-004	572053-005	572053-006
	Field Id:	Section A - Wall #3	Section B - Wall #1	Section B - Wall #2	Section B - Wall #3	Section B - Wall #4	Section B - Wall #5
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Dec-13-17 11:30	Dec-19-17 13:00	Dec-19-17 12:05	Dec-19-17 13:08	Dec-19-17 13:17	Dec-20-17 13:00
BTEX by EPA 8021B	Extracted:	Dec-26-17 16:00	Dec-26-17 16:00	Dec-26-17 16:00	Dec-26-17 16:00	Dec-26-17 16:00	Dec-26-17 16:00
	Analyzed:	Dec-27-17 10:41	Dec-27-17 11:00	Dec-27-17 11:18	Dec-27-17 11:37	Dec-27-17 11:56	Dec-27-17 12:15
	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	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00199 0.00199
Toluene		<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00199 0.00199
Ethylbenzene		<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00199 0.00199
m,p-Xylenes		<0.00398 0.00398	<0.00399 0.00399	<0.00401 0.00401	<0.00403 0.00403	<0.00402 0.00402	<0.00398 0.00398
o-Xylene		0.00312 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00199 0.00199
Total Xylenes		0.00312 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00199 0.00199
Total BTEX		0.00312 0.00199	<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00199 0.00199
Chloride by EPA 300	Extracted:	Dec-26-17 10:30	Jan-05-18 16:00	Jan-05-18 16:00	Jan-05-18 16:00	Dec-26-17 10:30	Dec-26-17 10:30
	Analyzed:	Dec-26-17 12:03	Jan-05-18 18:30	Jan-05-18 18:51	Jan-05-18 18:58	Dec-26-17 12:45	Dec-26-17 12:52
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		512 4.97	767 4.99	908 4.96	788 4.95	363 4.97	275 4.99
TPH By SW8015 Mod	Extracted:	Dec-26-17 12:00	Dec-26-17 12:00	Dec-26-17 12:00	Dec-26-17 12:00	Dec-26-17 12:00	Dec-26-17 12:00
	Analyzed:	Dec-26-17 14:20	Dec-26-17 15:21	Dec-26-17 15:41	Dec-26-17 16:01	Dec-26-17 16:21	Dec-26-17 16:42
	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	<15.0 15.0
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Total TPH		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0

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

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

Holly Taylor
Project Manager



Certificate of Analysis Summary 572053

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Indian Basin Station 210



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Thu Dec-21-17 04:12 pm

Report Date: 11-JAN-18

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	572053-007	572053-008				
	Field Id:	Section B - Wall #6	Section B - Wall #8				
	Depth:						
	Matrix:	SOIL	SOIL				
	Sampled:	Dec-19-17 13:35	Dec-20-17 14:37				
BTEX by EPA 8021B	Extracted:	Dec-26-17 16:00	Dec-26-17 16:00				
	Analyzed:	Dec-27-17 12:34	Dec-27-17 12:52				
	Units/RL:	mg/kg RL	mg/kg RL				
	Benzene	<0.00200 0.00200	<0.00201 0.00201				
	Toluene	<0.00200 0.00200	<0.00201 0.00201				
Ethylbenzene		<0.00200 0.00200	<0.00201 0.00201				
m,p-Xylenes		<0.00399 0.00399	<0.00402 0.00402				
o-Xylene		<0.00200 0.00200	<0.00201 0.00201				
Total Xylenes		<0.00200 0.00200	<0.00201 0.00201				
Total BTEX		<0.00200 0.00200	<0.00201 0.00201				
Chloride by EPA 300	Extracted:	Dec-26-17 10:30	Dec-26-17 10:30				
	Analyzed:	Dec-26-17 12:59	Dec-26-17 13:19				
	Units/RL:	mg/kg RL	mg/kg RL				
	Chloride	292 4.91	255 4.99				
TPH By SW8015 Mod	Extracted:	Dec-26-17 12:00	Dec-26-17 12:00				
	Analyzed:	Dec-26-17 17:02	Dec-26-17 17:23				
	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				
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0				
Total TPH		<15.0 15.0	<15.0 15.0				

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

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

Holly Taylor
Project Manager

Analytical Report 572053
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo
Indian Basin Station 210

11-JAN-18

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)



11-JAN-18

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

Reference: XENCO Report No(s): **572053**
Indian Basin Station 210
Project Address:

Ben Arguijo:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 572053. 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. 572053 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Holly Taylor
Project Manager

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

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 572053



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Section A - Wall #3	S	12-13-17 11:30		572053-001
Section B - Wall #1	S	12-19-17 13:00		572053-002
Section B - Wall #2	S	12-19-17 12:05		572053-003
Section B - Wall #3	S	12-19-17 13:08		572053-004
Section B - Wall #4	S	12-19-17 13:17		572053-005
Section B - Wall #5	S	12-20-17 13:00		572053-006
Section B - Wall #6	S	12-19-17 13:35		572053-007
Section B - Wall #8	S	12-20-17 14:37		572053-008



CASE NARRATIVE

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

Project Name: *Indian Basin Station 210*

Project ID:
Work Order Number(s): 572053

Report Date: 11-JAN-18
Date Received: 12/21/2017

Sample receipt non conformances and comments:

1.001 Revised for re-run Chloride results on samples 002, 003, and 004 per Ben Arguijo.

1.002 Revised to include Chloride result for sample 001.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3036930 BTEX by EPA 8021B

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

Lab Sample ID 572053-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Ethylbenzene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 572053-001, -002, -003, -004, -005, -006, -007, -008.

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



Certificate of Analytical Results 572053



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

Sample Id: **Section A - Wall #3**

Matrix: Soil

Date Received: 12.21.17 16.12

Lab Sample Id: 572053-001

Date Collected: 12.13.17 11.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: LRI

Date Prep: 12.26.17 10.30

Basis: Wet Weight

Seq Number: 3036899

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	512	4.97	mg/kg	12.26.17 12.03		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.26.17 12.00

Basis: Wet Weight

Seq Number: 3036940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.26.17 14.20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.26.17 14.20	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.26.17 14.20	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.26.17 14.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-135	12.26.17 14.20	
o-Terphenyl	84-15-1	89	%	70-135	12.26.17 14.20	



Certificate of Analytical Results 572053



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

Sample Id: **Section A - Wall #3**

Matrix: Soil

Date Received: 12.21.17 16.12

Lab Sample Id: 572053-001

Date Collected: 12.13.17 11.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.26.17 16.00

Basis: Wet Weight

Seq Number: 3036930

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.27.17 10.41	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.27.17 10.41	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.27.17 10.41	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.27.17 10.41	U	1
o-Xylene	95-47-6	0.00312	0.00199	mg/kg	12.27.17 10.41		1
Total Xylenes	1330-20-7	0.00312	0.00199	mg/kg	12.27.17 10.41		1
Total BTEX		0.00312	0.00199	mg/kg	12.27.17 10.41		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	82	%	80-120	12.27.17 10.41		
1,4-Difluorobenzene	540-36-3	87	%	80-120	12.27.17 10.41		



Certificate of Analytical Results 572053



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

Sample Id: **Section B - Wall #1**

Matrix: Soil

Date Received: 12.21.17 16.12

Lab Sample Id: 572053-002

Date Collected: 12.19.17 13.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: OJS

% Moisture:

Analyst: OJS

Date Prep: 01.05.18 16.00

Basis: Wet Weight

Seq Number: 3037573

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	767	4.99	mg/kg	01.05.18 18.30		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.26.17 12.00

Basis: Wet Weight

Seq Number: 3036940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.26.17 15.21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.26.17 15.21	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.26.17 15.21	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.26.17 15.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-135	12.26.17 15.21	
o-Terphenyl	84-15-1	84	%	70-135	12.26.17 15.21	



Certificate of Analytical Results 572053



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

Sample Id: **Section B - Wall #1**

Matrix: Soil

Date Received: 12.21.17 16.12

Lab Sample Id: 572053-002

Date Collected: 12.19.17 13.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.26.17 16.00

Basis: Wet Weight

Seq Number: 3036930

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.27.17 11.00	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.27.17 11.00	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.27.17 11.00	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.27.17 11.00	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.27.17 11.00	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.27.17 11.00	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.27.17 11.00	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	89	%	80-120	12.27.17 11.00		
4-Bromofluorobenzene	460-00-4	87	%	80-120	12.27.17 11.00		



Certificate of Analytical Results 572053



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

Sample Id: **Section B - Wall #2**

Matrix: Soil

Date Received: 12.21.17 16.12

Lab Sample Id: 572053-003

Date Collected: 12.19.17 12.05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: OJS

% Moisture:

Analyst: OJS

Date Prep: 01.05.18 16.00

Basis: Wet Weight

Seq Number: 3037573

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	908	4.96	mg/kg	01.05.18 18.51		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.26.17 12.00

Basis: Wet Weight

Seq Number: 3036940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.26.17 15.41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.26.17 15.41	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.26.17 15.41	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.26.17 15.41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-135	12.26.17 15.41	
o-Terphenyl	84-15-1	86	%	70-135	12.26.17 15.41	



Certificate of Analytical Results 572053



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

Sample Id: **Section B - Wall #2**

Matrix: Soil

Date Received: 12.21.17 16.12

Lab Sample Id: 572053-003

Date Collected: 12.19.17 12.05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.26.17 16.00

Basis: Wet Weight

Seq Number: 3036930

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.27.17 11.18	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.27.17 11.18	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.27.17 11.18	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.27.17 11.18	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.27.17 11.18	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.27.17 11.18	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.27.17 11.18	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	84	%	80-120	12.27.17 11.18		
4-Bromofluorobenzene	460-00-4	86	%	80-120	12.27.17 11.18		



Certificate of Analytical Results 572053



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

Sample Id: **Section B - Wall #3**

Matrix: Soil

Date Received: 12.21.17 16.12

Lab Sample Id: 572053-004

Date Collected: 12.19.17 13.08

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: OJS

% Moisture:

Analyst: OJS

Date Prep: 01.05.18 16.00

Basis: Wet Weight

Seq Number: 3037573

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	788	4.95	mg/kg	01.05.18 18.58		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.26.17 12.00

Basis: Wet Weight

Seq Number: 3036940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.26.17 16.01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.26.17 16.01	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.26.17 16.01	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.26.17 16.01	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	12.26.17 16.01	
o-Terphenyl	84-15-1	89	%	70-135	12.26.17 16.01	



Certificate of Analytical Results 572053



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

Sample Id: **Section B - Wall #3**

Matrix: Soil

Date Received: 12.21.17 16.12

Lab Sample Id: 572053-004

Date Collected: 12.19.17 13.08

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.26.17 16.00

Basis: Wet Weight

Seq Number: 3036930

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.27.17 11.37	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.27.17 11.37	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.27.17 11.37	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	12.27.17 11.37	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.27.17 11.37	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	12.27.17 11.37	U	1
Total BTEX		<0.00202	0.00202	mg/kg	12.27.17 11.37	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	88	%	80-120	12.27.17 11.37		
1,4-Difluorobenzene	540-36-3	89	%	80-120	12.27.17 11.37		



Certificate of Analytical Results 572053



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

Sample Id: **Section B - Wall #4**

Matrix: Soil

Date Received: 12.21.17 16.12

Lab Sample Id: 572053-005

Date Collected: 12.19.17 13.17

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: LRI

Date Prep: 12.26.17 10.30

Basis: Wet Weight

Seq Number: 3036899

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	363	4.97	mg/kg	12.26.17 12.45		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.26.17 12.00

Basis: Wet Weight

Seq Number: 3036940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.26.17 16.21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.26.17 16.21	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.26.17 16.21	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.26.17 16.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	12.26.17 16.21	
o-Terphenyl	84-15-1	95	%	70-135	12.26.17 16.21	



Certificate of Analytical Results 572053



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

Sample Id: **Section B - Wall #4**

Matrix: Soil

Date Received: 12.21.17 16.12

Lab Sample Id: 572053-005

Date Collected: 12.19.17 13.17

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.26.17 16.00

Basis: Wet Weight

Seq Number: 3036930

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.27.17 11.56	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.27.17 11.56	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.27.17 11.56	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	12.27.17 11.56	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	12.27.17 11.56	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	12.27.17 11.56	U	1
Total BTEX		<0.00201	0.00201	mg/kg	12.27.17 11.56	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	86	%	80-120	12.27.17 11.56		
1,4-Difluorobenzene	540-36-3	89	%	80-120	12.27.17 11.56		



Certificate of Analytical Results 572053



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

Sample Id: **Section B - Wall #5**

Matrix: Soil

Date Received: 12.21.17 16.12

Lab Sample Id: 572053-006

Date Collected: 12.20.17 13.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: LRI

Date Prep: 12.26.17 10.30

Basis: Wet Weight

Seq Number: 3036899

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	275	4.99	mg/kg	12.26.17 12.52		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.26.17 12.00

Basis: Wet Weight

Seq Number: 3036940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.26.17 16.42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.26.17 16.42	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.26.17 16.42	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.26.17 16.42	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	82	%	70-135	12.26.17 16.42		
o-Terphenyl	84-15-1	87	%	70-135	12.26.17 16.42		



Certificate of Analytical Results 572053



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

Sample Id: **Section B - Wall #5**

Matrix: Soil

Date Received: 12.21.17 16.12

Lab Sample Id: 572053-006

Date Collected: 12.20.17 13.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.26.17 16.00

Basis: Wet Weight

Seq Number: 3036930

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.27.17 12.15	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.27.17 12.15	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.27.17 12.15	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.27.17 12.15	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.27.17 12.15	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.27.17 12.15	U	1
Total BTEX		<0.00199	0.00199	mg/kg	12.27.17 12.15	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	89	%	80-120	12.27.17 12.15		
1,4-Difluorobenzene	540-36-3	94	%	80-120	12.27.17 12.15		



Certificate of Analytical Results 572053



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

Sample Id: **Section B - Wall #6**

Matrix: Soil

Date Received: 12.21.17 16.12

Lab Sample Id: 572053-007

Date Collected: 12.19.17 13.35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: LRI

Date Prep: 12.26.17 10.30

Basis: Wet Weight

Seq Number: 3036899

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	292	4.91	mg/kg	12.26.17 12.59		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.26.17 12.00

Basis: Wet Weight

Seq Number: 3036940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.26.17 17.02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.26.17 17.02	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.26.17 17.02	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.26.17 17.02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	12.26.17 17.02	
o-Terphenyl	84-15-1	93	%	70-135	12.26.17 17.02	



Certificate of Analytical Results 572053



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

Sample Id: **Section B - Wall #6**

Matrix: Soil

Date Received: 12.21.17 16.12

Lab Sample Id: 572053-007

Date Collected: 12.19.17 13.35

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.26.17 16.00

Basis: Wet Weight

Seq Number: 3036930

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.27.17 12.34	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.27.17 12.34	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.27.17 12.34	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.27.17 12.34	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.27.17 12.34	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.27.17 12.34	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.27.17 12.34	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	92	%	80-120	12.27.17 12.34		
4-Bromofluorobenzene	460-00-4	87	%	80-120	12.27.17 12.34		



Certificate of Analytical Results 572053



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

Sample Id: **Section B - Wall #8**

Matrix: Soil

Date Received: 12.21.17 16.12

Lab Sample Id: 572053-008

Date Collected: 12.20.17 14.37

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: LRI

Date Prep: 12.26.17 10.30

Basis: Wet Weight

Seq Number: 3036899

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	255	4.99	mg/kg	12.26.17 13.19		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.26.17 12.00

Basis: Wet Weight

Seq Number: 3036940

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.26.17 17.23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.26.17 17.23	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.26.17 17.23	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.26.17 17.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	12.26.17 17.23	
o-Terphenyl	84-15-1	89	%	70-135	12.26.17 17.23	



Certificate of Analytical Results 572053



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

Sample Id: **Section B - Wall #8**

Matrix: Soil

Date Received: 12.21.17 16.12

Lab Sample Id: 572053-008

Date Collected: 12.20.17 14.37

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.26.17 16.00

Basis: Wet Weight

Seq Number: 3036930

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.27.17 12.52	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.27.17 12.52	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.27.17 12.52	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	12.27.17 12.52	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	12.27.17 12.52	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	12.27.17 12.52	U	1
Total BTEX		<0.00201	0.00201	mg/kg	12.27.17 12.52	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	88	%	80-120	12.27.17 12.52		
1,4-Difluorobenzene	540-36-3	93	%	80-120	12.27.17 12.52		

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

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

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(602) 437-0330	

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

Seq Number: 3036899

MB Sample Id: 7636590-1-BLK

Matrix: Solid

LCS Sample Id: 7636590-1-BKS

Prep Method: E300P

Date Prep: 12.26.17

LCSD Sample Id: 7636590-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	244	98	241	96	90-110	1	20	mg/kg	12.26.17 10:08	

Analytical Method: Chloride by EPA 300

Seq Number: 3037573

MB Sample Id: 7637043-1-BLK

Matrix: Solid

LCS Sample Id: 7637043-1-BKS

Prep Method: E300P

Date Prep: 01.05.18

LCSD Sample Id: 7637043-1-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	236	94	238	95	90-110	1	20	mg/kg	01.05.18 17:34	

Analytical Method: Chloride by EPA 300

Seq Number: 3036899

Parent Sample Id: 571456-002

Matrix: Soil

MS Sample Id: 571456-002 S

Prep Method: E300P

Date Prep: 12.26.17

MSD Sample Id: 571456-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1050	245	1210	65	1210	65	90-110	0	20	mg/kg	12.26.17 11:28	X

Analytical Method: Chloride by EPA 300

Seq Number: 3036899

Parent Sample Id: 572053-007

Matrix: Soil

MS Sample Id: 572053-007 S

Prep Method: E300P

Date Prep: 12.26.17

MSD Sample Id: 572053-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	292	246	551	105	550	105	90-110	0	20	mg/kg	12.26.17 13:05	

Analytical Method: Chloride by EPA 300

Seq Number: 3037573

Parent Sample Id: 572702-001

Matrix: Soil

MS Sample Id: 572702-001 S

Prep Method: E300P

Date Prep: 01.05.18

MSD Sample Id: 572702-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	610	249	839	92	830	88	90-110	1	20	mg/kg	01.05.18 17:55	X

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery $[D] = 100 * (C - A) / B$
 $RPD = 200 * | (C - E) / (C + E) |$
 $[D] = 100 * (C) / [B]$ LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD ResultMS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Trinity Oilfield Services & Rentals, LLC
Indian Basin Station 210

Analytical Method: Chloride by EPA 300

Seq Number: 3037573

Parent Sample Id: 572753-003

Matrix: Soil

MS Sample Id: 572753-003 S

Prep Method: E300P

Date Prep: 01.05.18

MSD Sample Id: 572753-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	26.3	247	276	101	285	105	90-110	3	20	mg/kg	01.05.18 19:33	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3036940

MB Sample Id: 7636626-1-BLK

Matrix: Solid

LCS Sample Id: 7636626-1-BKS

Prep Method: TX1005P

Date Prep: 12.26.17

LCSD Sample Id: 7636626-1-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	774	77	804	80	70-135	4	35	mg/kg	12.26.17 13:38	
Diesel Range Organics (DRO)	<15.0	1000	796	80	834	83	70-135	5	35	mg/kg	12.26.17 13:38	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	79		90		84		70-135	%	12.26.17 13:38
o-Terphenyl	78		88		91		70-135	%	12.26.17 13:38

Analytical Method: TPH By SW8015 Mod

Seq Number: 3036940

Parent Sample Id: 572053-001

Matrix: Soil

MS Sample Id: 572053-001 S

Prep Method: TX1005P

Date Prep: 12.26.17

MSD Sample Id: 572053-001 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	1000	944	94	955	96	70-135	1	35	mg/kg	12.26.17 14:40	
Diesel Range Organics (DRO)	<15.0	1000	775	78	833	83	70-135	7	35	mg/kg	12.26.17 14:40	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	91		102		70-135	%	12.26.17 14:40
o-Terphenyl	78		77		70-135	%	12.26.17 14:40

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery $[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$ LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD ResultMS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Trinity Oilfield Services & Rentals, LLC
Indian Basin Station 210

Analytical Method: BTEX by EPA 8021B

Seq Number: 3036930

MB Sample Id: 7636627-1-BLK

Matrix: Solid

LCS Sample Id: 7636627-1-BKS

Prep Method: SW5030B

Date Prep: 12.26.17

LCSD Sample Id: 7636627-1-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	0.125	124	0.120	119	70-130	4	35	mg/kg	12.27.17 08:28	
Toluene	<0.00202	0.101	0.117	116	0.111	110	70-130	5	35	mg/kg	12.27.17 08:28	
Ethylbenzene	<0.00202	0.101	0.108	107	0.103	102	71-129	5	35	mg/kg	12.27.17 08:28	
m,p-Xylenes	<0.00404	0.202	0.214	106	0.203	101	70-135	5	35	mg/kg	12.27.17 08:28	
o-Xylene	<0.00202	0.101	0.102	101	0.0959	95	71-133	6	35	mg/kg	12.27.17 08:28	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits			Units	Analysis Date	
1,4-Difluorobenzene	96		81		81		80-120			%	12.27.17 08:28	
4-Bromofluorobenzene	84		82		81		80-120			%	12.27.17 08:28	

Analytical Method: BTEX by EPA 8021B

Seq Number: 3036930

Parent Sample Id: 572053-001

Matrix: Soil

MS Sample Id: 572053-001 S

Prep Method: SW5030B

Date Prep: 12.26.17

MSD Sample Id: 572053-001 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	0.100	0.0890	89	0.0935	94	70-130	5	35	mg/kg	12.27.17 09:06	
Toluene	<0.00200	0.100	0.0748	75	0.0837	84	70-130	11	35	mg/kg	12.27.17 09:06	
Ethylbenzene	<0.00200	0.100	0.0562	56	0.0670	67	71-129	18	35	mg/kg	12.27.17 09:06	X
m,p-Xylenes	<0.00401	0.200	0.102	51	0.132	66	70-135	26	35	mg/kg	12.27.17 09:06	X
o-Xylene	0.00312	0.100	0.0664	63	0.0734	70	71-133	10	35	mg/kg	12.27.17 09:06	X
Surrogate				MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits		Units	Analysis Date	
1,4-Difluorobenzene				91		92		80-120		%	12.27.17 09:06	
4-Bromofluorobenzene				95		94		80-120		%	12.27.17 09:06	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery $[D] = 100 * (C-A) / B$
 $RPD = 200 * |(C-E) / (C+E)|$
 $[D] = 100 * (C) / [B]$ LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD ResultMS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 12/21/2017 04:12:00 PM

Work Order #: 572053

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: Jessica Kramer
Jessica Kramer

Date: 12/22/2017

Checklist reviewed by: Holly Taylor
Holly Taylor

Date: 12/26/2017



Certificate of Analysis Summary 572154

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Indian Basin Station 210



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs

Date Received in Lab: Tue Dec-26-17 11:46 am

Report Date: 08-JAN-18

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	572154-001	572154-002	572154-003			
	<i>Field Id:</i>	Section B-Wall #11	Section A-Wall #1	Section A-Wall #2			
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL			
	<i>Sampled:</i>	Dec-22-17 10:13	Dec-22-17 13:50	Dec-22-17 14:00			
BTEX by EPA 8021B	<i>Extracted:</i>	Dec-28-17 10:00	Dec-28-17 10:00	Dec-28-17 10:00			
	<i>Analyzed:</i>	Dec-28-17 21:18	Dec-28-17 21:37	Dec-28-17 21:56			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199			
Toluene		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199			
Ethylbenzene		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199			
m,p-Xylenes		<0.00404 0.00404	<0.00401 0.00401	<0.00398 0.00398			
o-Xylene		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199			
Total Xylenes		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199			
Total BTEX		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199			
Chloride by EPA 300	<i>Extracted:</i>	Jan-05-18 16:00	Dec-29-17 10:00	Dec-29-17 10:00			
	<i>Analyzed:</i>	Jan-05-18 19:05	Dec-29-17 13:31	Dec-29-17 13:10			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		1660 25.0	1150 24.9	179 4.95			
TPH By SW8015 Mod	<i>Extracted:</i>	Dec-28-17 15:00	Dec-28-17 15:00	Dec-28-17 15:00			
	<i>Analyzed:</i>	Dec-28-17 22:55	Dec-28-17 23:15	Dec-28-17 23:36			
	<i>Units/RL:</i>	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			
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0			
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	<15.0 15.0			
Total TPH		<15.0 15.0	<15.0 15.0	<15.0 15.0			

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

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

Holly Taylor
Project Manager

Analytical Report 572154
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo
Indian Basin Station 210

08-JAN-18

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)



08-JAN-18

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

Reference: XENCO Report No(s): **572154**
Indian Basin Station 210
Project Address: Hobbs

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) 572154. 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. 572154 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Holly Taylor
Project Manager

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

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



Sample Cross Reference 572154



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Section B-Wall #11	S	12-22-17 10:13		572154-001
Section A-Wall #1	S	12-22-17 13:50		572154-002
Section A-Wall #2	S	12-22-17 14:00		572154-003



CASE NARRATIVE

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

Project Name: *Indian Basin Station 210*

Project ID:
Work Order Number(s): 572154

Report Date: 08-JAN-18
Date Received: 12/26/2017

Sample receipt non conformances and comments:

1.001 Revised for re-run Chloride results on sample 001 per Ben Arguijo.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3037186 BTEX by EPA 8021B

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



Certificate of Analytical Results 572154



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

Sample Id: **Section B-Wall #11**

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572154-001

Date Collected: 12.22.17 10.13

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: OJS

% Moisture:

Analyst: OJS

Date Prep: 01.05.18 16.00

Basis: Wet Weight

Seq Number: 3037573

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1660	25.0	mg/kg	01.05.18 19.05		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.28.17 15.00

Basis: Wet Weight

Seq Number: 3037191

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.28.17 22.55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.28.17 22.55	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.28.17 22.55	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.28.17 22.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-135	12.28.17 22.55	
o-Terphenyl	84-15-1	86	%	70-135	12.28.17 22.55	



Certificate of Analytical Results 572154



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

Sample Id: **Section B-Wall #11**

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572154-001

Date Collected: 12.22.17 10.13

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.28.17 21.18	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.28.17 21.18	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.28.17 21.18	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	12.28.17 21.18	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.28.17 21.18	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	12.28.17 21.18	U	1
Total BTEX		<0.00202	0.00202	mg/kg	12.28.17 21.18	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	89	%	80-120	12.28.17 21.18		
1,4-Difluorobenzene	540-36-3	90	%	80-120	12.28.17 21.18		



Certificate of Analytical Results 572154



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

Sample Id: **Section A-Wall #1** Matrix: Soil Date Received: 12.26.17 11.46
Lab Sample Id: 572154-002 Date Collected: 12.22.17 13.50
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: OJS % Moisture:
Analyst: OJS Date Prep: 12.29.17 10.00 Basis: Wet Weight
Seq Number: 3037205

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1150	24.9	mg/kg	12.29.17 13.31		5

Analytical Method: TPH By SW8015 Mod Prep Method: TX1005P
Tech: JUM % Moisture:
Analyst: JUM Date Prep: 12.28.17 15.00 Basis: Wet Weight
Seq Number: 3037191

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.28.17 23.15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.28.17 23.15	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.28.17 23.15	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.28.17 23.15	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	88	%	70-135	12.28.17 23.15		
o-Terphenyl	84-15-1	85	%	70-135	12.28.17 23.15		



Certificate of Analytical Results 572154



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

Sample Id: **Section A-Wall #1**

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572154-002

Date Collected: 12.22.17 13.50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.28.17 21.37	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.28.17 21.37	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.28.17 21.37	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.28.17 21.37	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.28.17 21.37	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.28.17 21.37	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.28.17 21.37	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	87	%	80-120	12.28.17 21.37		
1,4-Difluorobenzene	540-36-3	87	%	80-120	12.28.17 21.37		



Certificate of Analytical Results 572154



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

Sample Id: **Section A-Wall #2** Matrix: Soil Date Received: 12.26.17 11.46
Lab Sample Id: 572154-003 Date Collected: 12.22.17 14.00
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: OJS % Moisture:
Analyst: OJS Date Prep: 12.29.17 10.00 Basis: Wet Weight
Seq Number: 3037205

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	179	4.95	mg/kg	12.29.17 13.10		1

Analytical Method: TPH By SW8015 Mod Prep Method: TX1005P
Tech: JUM % Moisture:
Analyst: JUM Date Prep: 12.28.17 15.00 Basis: Wet Weight
Seq Number: 3037191

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.28.17 23.36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.28.17 23.36	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.28.17 23.36	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.28.17 23.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	87	%	70-135	12.28.17 23.36	
o-Terphenyl	84-15-1	88	%	70-135	12.28.17 23.36	



Certificate of Analytical Results 572154



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

Sample Id: **Section A-Wall #2**

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572154-003

Date Collected: 12.22.17 14.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.28.17 21.56	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.28.17 21.56	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.28.17 21.56	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.28.17 21.56	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.28.17 21.56	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.28.17 21.56	U	1
Total BTEX		<0.00199	0.00199	mg/kg	12.28.17 21.56	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	90	%	80-120	12.28.17 21.56		
4-Bromofluorobenzene	460-00-4	89	%	80-120	12.28.17 21.56		

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

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

Seq Number: 3037205

MB Sample Id: 7636757-1-BLK

Matrix: Solid

LCS Sample Id: 7636757-1-BKS

Prep Method: E300P

Date Prep: 12.29.17

LCSD Sample Id: 7636757-1-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	248	99	241	96	90-110	3	20	mg/kg	12.29.17 12:56	

Analytical Method: Chloride by EPA 300

Seq Number: 3037573

MB Sample Id: 7637043-1-BLK

Matrix: Solid

LCS Sample Id: 7637043-1-BKS

Prep Method: E300P

Date Prep: 01.05.18

LCSD Sample Id: 7637043-1-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	236	94	238	95	90-110	1	20	mg/kg	01.05.18 17:34	

Analytical Method: Chloride by EPA 300

Seq Number: 3037205

Parent Sample Id: 572154-003

Matrix: Soil

MS Sample Id: 572154-003 S

Prep Method: E300P

Date Prep: 12.29.17

MSD Sample Id: 572154-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	179	248	425	99	440	105	90-110	3	20	mg/kg	12.29.17 13:17	

Analytical Method: Chloride by EPA 300

Seq Number: 3037205

Parent Sample Id: 572250-009

Matrix: Soil

MS Sample Id: 572250-009 S

Prep Method: E300P

Date Prep: 12.29.17

MSD Sample Id: 572250-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	133	245	388	104	375	99	90-110	3	20	mg/kg	12.29.17 15:02	

Analytical Method: Chloride by EPA 300

Seq Number: 3037573

Parent Sample Id: 572702-001

Matrix: Soil

MS Sample Id: 572702-001 S

Prep Method: E300P

Date Prep: 01.05.18

MSD Sample Id: 572702-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	610	249	839	92	830	88	90-110	1	20	mg/kg	01.05.18 17:55	X

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery $[D] = 100 * (C - A) / B$
 $RPD = 200 * | (C - E) / (C + E) |$
 $[D] = 100 * (C) / [B]$ LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD ResultMS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



QC Summary 572154

Trinity Oilfield Services & Rentals, LLC Indian Basin Station 210

Analytical Method: Chloride by EPA 300

Seq Number: 3037573

Parent Sample Id: 572753-003

Matrix: Soil

MS Sample Id: 572753-003 S

Prep Method: E300P

Date Prep: 01.05.18

MSD Sample Id: 572753-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	26.3	247	276	101	285	105	90-110	3	20	mg/kg	01.05.18 19:33	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3037191

MB Sample Id: 7636779-1-BLK

Matrix: Solid

LCS Sample Id: 7636779-1-BKS

Prep Method: TX1005P

Date Prep: 12.28.17

LCSD Sample Id: 7636779-1-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	840	84	918	92	70-135	9	35	mg/kg	12.28.17 22:15	
Diesel Range Organics (DRO)	<15.0	1000	838	84	917	92	70-135	9	35	mg/kg	12.28.17 22:15	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	92		89		96		70-135	%	12.28.17 22:15
o-Terphenyl	91		91		100		70-135	%	12.28.17 22:15

Analytical Method: TPH By SW8015 Mod

Seq Number: 3037191

Parent Sample Id: 572154-003

Matrix: Soil

MS Sample Id: 572154-003 S

Prep Method: TX1005P

Date Prep: 12.28.17

MSD Sample Id: 572154-003 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	1000	787	79	881	88	70-135	11	35	mg/kg	12.28.17 23:56	
Diesel Range Organics (DRO)	<15.0	1000	777	78	877	88	70-135	12	35	mg/kg	12.28.17 23:56	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	85		105		70-135	%	12.28.17 23:56
o-Terphenyl	83		92		70-135	%	12.28.17 23:56

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

$[D] = 100 * (C-A) / B$
 $RPD = 200 * |(C-E) / (C+E)|$
 $[D] = 100 * (C) / [B]$

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
Indian Basin Station 210

Analytical Method: BTEX by EPA 8021B

Seq Number: 3037186

MB Sample Id: 7636780-1-BLK

Matrix: Solid

LCS Sample Id: 7636780-1-BKS

Prep Method: SW5030B

Date Prep: 12.28.17

LCSD Sample Id: 7636780-1-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	0.0872	87	0.0836	84	70-130	4	35	mg/kg	12.28.17 15:00	
Toluene	<0.00200	0.0998	0.0823	82	0.0788	79	70-130	4	35	mg/kg	12.28.17 15:00	
Ethylbenzene	<0.00200	0.0998	0.0931	93	0.0888	89	71-129	5	35	mg/kg	12.28.17 15:00	
m,p-Xylenes	<0.00399	0.200	0.184	92	0.175	88	70-135	5	35	mg/kg	12.28.17 15:00	
o-Xylene	<0.00200	0.0998	0.0858	86	0.0820	82	71-133	5	35	mg/kg	12.28.17 15:00	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	92		93		94		80-120	%	12.28.17 15:00
4-Bromofluorobenzene	84		93		96		80-120	%	12.28.17 15:00

Analytical Method: BTEX by EPA 8021B

Seq Number: 3037186

Parent Sample Id: 572178-011

Matrix: Soil

MS Sample Id: 572178-011 S

Prep Method: SW5030B

Date Prep: 12.28.17

MSD Sample Id: 572178-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0968	97	0.0871	86	70-130	11	35	mg/kg	12.28.17 15:38	
Toluene	<0.00200	0.100	0.0873	87	0.0760	75	70-130	14	35	mg/kg	12.28.17 15:38	
Ethylbenzene	<0.00200	0.100	0.0887	89	0.0821	81	71-129	8	35	mg/kg	12.28.17 15:38	
m,p-Xylenes	<0.00401	0.200	0.174	87	0.162	81	70-135	7	35	mg/kg	12.28.17 15:38	
o-Xylene	<0.00200	0.100	0.0829	83	0.0776	77	71-133	7	35	mg/kg	12.28.17 15:38	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	110		113		80-120	%	12.28.17 15:38
4-Bromofluorobenzene	118		117		80-120	%	12.28.17 15:38

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery $[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$ LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD ResultMS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



CHAIN OF CUSTODY RECORD

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

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
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. 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
Other _____

REMARKS

Run BTEX if TPH <= 5,000

Run BTEX if TPH <= 5,000

Run BTEX if TPH <= 5,000

Temp: 0.8 IR ID:R-8
CF:(0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 0.6

Company:	Trinity Oilfield Services & Rentals, LLC	Phone:	(575)390-7208
Address:	P.O. Box 2587	Fax:	
City:	Hobbs	State:	NM
		Zip:	88241
PM/Attn:	Ben J. Arguijo	Email:	wade.dittrich@oxy.com & ben@trinityoilfieldservices.com
Project ID:	Indian Basin Station 210	PO#:	
Invoice To:	Oxy - Wade Dittrich (575)390-2828	Quote #:	

Sampler Name:	Tristan Payne	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	Chloride	TPH	BTEX	Hold Sample (CALL on Highest TPH Only)
1	Section B - Wall #11	12/22/17	1013	S		1		X	X		
2	Section A - Wall #1	12/22/17	1350	S		1		X	X		
3	Section A - Wall #2	12/22/17	1400	S		1		X	X		
4											
5											
6											
7											
8											
9											
0											

Reg. Program / Clean-up Std	STATE for Certs & Regs	QA/QC Level & Certification	EDDs	COC & Labels	Coolers	Temp °C	Lab Use Only
CTLs TRRP DW NPDES LPST DryCln Other:	FL TX GA NC SC NJ PA OK LA AL NM Other:	1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:	AdAPT SEDD ERPIMS XLS Other:	Match Incomplete Absent Unclear	1 2 3		Non-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
1 [Signature]	Trinity	12/26/17	11:20	Tail Pinner	Trinity	12/26/17	11:20
2 [Signature]	Trinity	12/26/17	11:46	[Signature]	MS	12/26/17	11:46
3 [Signature]	MS	12/26/17	1:36	[Signature]	MS	12/27	11:29
4 [Signature]							

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

C.O.C. Serial #

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

Final 1.001

Page 16 of 17



XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 12/26/2017 11:46:00 AM

Work Order #: 572154

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

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

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Shawnee Smith

Date: 12/27/2017

Checklist reviewed by:

Holly Taylor

Date: 12/27/2017



Certificate of Analysis Summary 572349

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Indian Basin Station 210



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs

Date Received in Lab: Wed Dec-27-17 04:10 pm

Report Date: 08-JAN-18

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	572349-001	572349-002	572349-003	572349-004	572349-005	572349-006
	Field Id:	Section A- Wall #1b	Section B- Wall #9	Section B- Wall #10	Section B- Wall #12	Section B- Wall #13	Section B- Wall #14
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Dec-27-17 11:55	Dec-21-17 11:03	Dec-21-17 11:47	Dec-21-17 13:46	Dec-21-17 14:05	Dec-21-17 14:15
BTEX by EPA 8021B	Extracted:	Dec-29-17 16:30	Dec-29-17 16:30	Dec-29-17 16:30	Dec-29-17 16:30	Dec-29-17 16:30	Dec-29-17 16:30
	Analyzed:	Dec-30-17 01:12	Dec-30-17 01:31	Dec-30-17 01:48	Dec-30-17 02:07	Dec-30-17 02:26	Dec-30-17 02:45
	Units/RL:	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	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00202 0.00202
Toluene		<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00202 0.00202
Ethylbenzene		<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00202 0.00202
m,p-Xylenes		<0.00399 0.00399	<0.00402 0.00402	<0.00402 0.00402	<0.00401 0.00401	<0.00398 0.00398	<0.00403 0.00403
o-Xylene		<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00202 0.00202
Total Xylenes		<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00202 0.00202
Total BTEX		<0.00200 0.00200	<0.00201 0.00201	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00202 0.00202
Chloride by EPA 300	Extracted:	Dec-29-17 17:30	Dec-29-17 17:30	Dec-29-17 17:30	Dec-29-17 17:30	Dec-29-17 17:30	Jan-05-18 16:00
	Analyzed:	Dec-30-17 00:41	Dec-30-17 01:02	Dec-30-17 01:09	Dec-30-17 01:16	Dec-30-17 01:23	Jan-05-18 18:16
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		618 4.91	114 4.98	445 4.97	271 4.93	493 4.96	965 24.8
TPH By SW8015 Mod	Extracted:	Dec-29-17 16:30	Dec-29-17 16:30	Dec-29-17 16:30	Dec-29-17 16:30	Dec-29-17 16:30	Dec-29-17 16:30
	Analyzed:	Dec-30-17 11:19	Dec-30-17 11:41	Dec-30-17 12:45	Dec-30-17 13:06	Dec-30-17 13:27	Dec-30-17 13:49
	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	<15.0 15.0
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Total TPH		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0

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

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

Holly Taylor
Project Manager



Certificate of Analysis Summary 572349

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Indian Basin Station 210



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs

Date Received in Lab: Wed Dec-27-17 04:10 pm

Report Date: 08-JAN-18

Project Manager: Holly Taylor

Analysis Requested	Lab Id: 572349-007 Field Id: Section B- Wall #15 Depth: Matrix: SOIL Sampled: Dec-21-17 14:20					
BTEX by EPA 8021B	Extracted: Dec-29-17 16:30 Analyzed: Dec-30-17 03:04 Units/RL: mg/kg RL					
Benzene	<0.00201 0.00201					
Toluene	<0.00201 0.00201					
Ethylbenzene	<0.00201 0.00201					
m,p-Xylenes	<0.00402 0.00402					
o-Xylene	<0.00201 0.00201					
Total Xylenes	<0.00201 0.00201					
Total BTEX	<0.00201 0.00201					
Chloride by EPA 300	Extracted: Jan-05-18 16:00 Analyzed: Jan-05-18 18:23 Units/RL: mg/kg RL					
Chloride	556 4.96					
TPH By SW8015 Mod	Extracted: Dec-29-17 16:30 Analyzed: Dec-30-17 14:10 Units/RL: mg/kg RL					
Gasoline Range Hydrocarbons (GRO)	<15.0 15.0					
Diesel Range Organics (DRO)	<15.0 15.0					
Oil Range Hydrocarbons (ORO)	<15.0 15.0					
Total TPH	<15.0 15.0					

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

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

Holly Taylor
Project Manager

Analytical Report 572349
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo
Indian Basin Station 210

08-JAN-18

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)



08-JAN-18

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

Reference: XENCO Report No(s): **572349**
Indian Basin Station 210
Project Address: Hobbs

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) 572349. 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. 572349 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Holly Taylor
Project Manager

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

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 572349



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Section A- Wall #1b	S	12-27-17 11:55		572349-001
Section B- Wall #9	S	12-21-17 11:03		572349-002
Section B- Wall #10	S	12-21-17 11:47		572349-003
Section B- Wall #12	S	12-21-17 13:46		572349-004
Section B- Wall #13	S	12-21-17 14:05		572349-005
Section B- Wall #14	S	12-21-17 14:15		572349-006
Section B- Wall #15	S	12-21-17 14:20		572349-007



CASE NARRATIVE

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

Project Name: *Indian Basin Station 210*

Project ID:

Work Order Number(s): 572349

Report Date: 08-JAN-18

Date Received: 12/27/2017

Sample receipt non conformances and comments:

1.001 Revised for re-run Chloride results on samples 006 and 007 per Ben Arguijo.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3037272 BTEX by EPA 8021B

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



Certificate of Analytical Results 572349



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

Sample Id: **Section A- Wall #1b**
Lab Sample Id: 572349-001

Matrix: Soil
Date Collected: 12.27.17 11.55

Date Received: 12.27.17 16.10

Analytical Method: Chloride by EPA 300
Tech: OJS
Analyst: OJS
Seq Number: 3037257

Date Prep: 12.29.17 17.30

Prep Method: E300P
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	618	4.91	mg/kg	12.30.17 00.41		1

Analytical Method: TPH By SW8015 Mod
Tech: JUM
Analyst: JUM
Seq Number: 3037216

Date Prep: 12.29.17 16.30

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	12.30.17 11.19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.30.17 11.19	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.30.17 11.19	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.30.17 11.19	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	87	%	70-135	12.30.17 11.19		
o-Terphenyl	84-15-1	86	%	70-135	12.30.17 11.19		



Certificate of Analytical Results 572349



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

Sample Id: **Section A- Wall #1b**

Matrix: Soil

Date Received: 12.27.17 16.10

Lab Sample Id: 572349-001

Date Collected: 12.27.17 11.55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.29.17 16.30

Basis: Wet Weight

Seq Number: 3037272

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.30.17 01.12	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.30.17 01.12	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.30.17 01.12	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.30.17 01.12	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.30.17 01.12	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.30.17 01.12	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.30.17 01.12	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	89	%	80-120	12.30.17 01.12		
1,4-Difluorobenzene	540-36-3	94	%	80-120	12.30.17 01.12		



Certificate of Analytical Results 572349



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

Sample Id: **Section B- Wall #9**

Matrix: Soil

Date Received: 12.27.17 16.10

Lab Sample Id: 572349-002

Date Collected: 12.21.17 11.03

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: OJS

% Moisture:

Analyst: OJS

Date Prep: 12.29.17 17.30

Basis: Wet Weight

Seq Number: 3037257

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	114	4.98	mg/kg	12.30.17 01.02		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.29.17 16.30

Basis: Wet Weight

Seq Number: 3037216

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.30.17 11.41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.30.17 11.41	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.30.17 11.41	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.30.17 11.41	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-135	12.30.17 11.41	
o-Terphenyl	84-15-1	88	%	70-135	12.30.17 11.41	



Certificate of Analytical Results 572349



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

Sample Id: **Section B- Wall #9**

Matrix: Soil

Date Received: 12.27.17 16.10

Lab Sample Id: 572349-002

Date Collected: 12.21.17 11.03

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.29.17 16.30

Basis: Wet Weight

Seq Number: 3037272

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.30.17 01.31	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.30.17 01.31	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.30.17 01.31	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	12.30.17 01.31	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	12.30.17 01.31	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	12.30.17 01.31	U	1
Total BTEX		<0.00201	0.00201	mg/kg	12.30.17 01.31	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	94	%	80-120	12.30.17 01.31		
4-Bromofluorobenzene	460-00-4	86	%	80-120	12.30.17 01.31		



Certificate of Analytical Results 572349



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

Sample Id: **Section B- Wall #10**

Matrix: Soil

Date Received: 12.27.17 16.10

Lab Sample Id: 572349-003

Date Collected: 12.21.17 11.47

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: OJS

% Moisture:

Analyst: OJS

Date Prep: 12.29.17 17.30

Basis: Wet Weight

Seq Number: 3037257

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	445	4.97	mg/kg	12.30.17 01.09		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.29.17 16.30

Basis: Wet Weight

Seq Number: 3037216

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.30.17 12.45	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.30.17 12.45	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.30.17 12.45	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.30.17 12.45	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	93	%	70-135	12.30.17 12.45		
o-Terphenyl	84-15-1	94	%	70-135	12.30.17 12.45		



Certificate of Analytical Results 572349



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

Sample Id: **Section B- Wall #10**

Matrix: Soil

Date Received: 12.27.17 16.10

Lab Sample Id: 572349-003

Date Collected: 12.21.17 11.47

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.29.17 16.30

Basis: Wet Weight

Seq Number: 3037272

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.30.17 01.48	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.30.17 01.48	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.30.17 01.48	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	12.30.17 01.48	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	12.30.17 01.48	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	12.30.17 01.48	U	1
Total BTEX		<0.00201	0.00201	mg/kg	12.30.17 01.48	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	86	%	80-120	12.30.17 01.48		
1,4-Difluorobenzene	540-36-3	90	%	80-120	12.30.17 01.48		



Certificate of Analytical Results 572349



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

Sample Id: **Section B- Wall #12**

Matrix: Soil

Date Received: 12.27.17 16.10

Lab Sample Id: 572349-004

Date Collected: 12.21.17 13.46

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: OJS

% Moisture:

Analyst: OJS

Date Prep: 12.29.17 17.30

Basis: Wet Weight

Seq Number: 3037257

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	271	4.93	mg/kg	12.30.17 01.16		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.29.17 16.30

Basis: Wet Weight

Seq Number: 3037216

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.30.17 13.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.30.17 13.06	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.30.17 13.06	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.30.17 13.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	84	%	70-135	12.30.17 13.06	
o-Terphenyl	84-15-1	86	%	70-135	12.30.17 13.06	



Certificate of Analytical Results 572349



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

Sample Id: **Section B- Wall #12**

Matrix: Soil

Date Received: 12.27.17 16.10

Lab Sample Id: 572349-004

Date Collected: 12.21.17 13.46

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.29.17 16.30

Basis: Wet Weight

Seq Number: 3037272

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.30.17 02.07	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.30.17 02.07	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.30.17 02.07	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.30.17 02.07	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.30.17 02.07	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.30.17 02.07	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.30.17 02.07	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	100	%	80-120	12.30.17 02.07		
4-Bromofluorobenzene	460-00-4	92	%	80-120	12.30.17 02.07		



Certificate of Analytical Results 572349



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

Sample Id: **Section B- Wall #13**

Matrix: Soil

Date Received: 12.27.17 16.10

Lab Sample Id: 572349-005

Date Collected: 12.21.17 14.05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: OJS

% Moisture:

Analyst: OJS

Date Prep: 12.29.17 17.30

Basis: Wet Weight

Seq Number: 3037257

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	493	4.96	mg/kg	12.30.17 01.23		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.29.17 16.30

Basis: Wet Weight

Seq Number: 3037216

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.30.17 13.27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.30.17 13.27	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.30.17 13.27	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.30.17 13.27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	12.30.17 13.27	
o-Terphenyl	84-15-1	89	%	70-135	12.30.17 13.27	



Certificate of Analytical Results 572349



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

Sample Id: **Section B- Wall #13**

Matrix: Soil

Date Received: 12.27.17 16.10

Lab Sample Id: 572349-005

Date Collected: 12.21.17 14.05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.29.17 16.30

Basis: Wet Weight

Seq Number: 3037272

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.30.17 02.26	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.30.17 02.26	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.30.17 02.26	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.30.17 02.26	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.30.17 02.26	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.30.17 02.26	U	1
Total BTEX		<0.00199	0.00199	mg/kg	12.30.17 02.26	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	90	%	80-120	12.30.17 02.26		
1,4-Difluorobenzene	540-36-3	94	%	80-120	12.30.17 02.26		



Certificate of Analytical Results 572349



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

Sample Id: **Section B- Wall #14**

Matrix: Soil

Date Received: 12.27.17 16.10

Lab Sample Id: 572349-006

Date Collected: 12.21.17 14.15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: OJS

% Moisture:

Analyst: OJS

Date Prep: 01.05.18 16.00

Basis: Wet Weight

Seq Number: 3037573

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	965	24.8	mg/kg	01.05.18 18.16		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.29.17 16.30

Basis: Wet Weight

Seq Number: 3037216

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.30.17 13.49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.30.17 13.49	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.30.17 13.49	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.30.17 13.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-135	12.30.17 13.49	
o-Terphenyl	84-15-1	86	%	70-135	12.30.17 13.49	



Certificate of Analytical Results 572349



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

Sample Id: **Section B- Wall #14**

Matrix: Soil

Date Received: 12.27.17 16.10

Lab Sample Id: 572349-006

Date Collected: 12.21.17 14.15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.29.17 16.30

Basis: Wet Weight

Seq Number: 3037272

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.30.17 02.45	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.30.17 02.45	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.30.17 02.45	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	12.30.17 02.45	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.30.17 02.45	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	12.30.17 02.45	U	1
Total BTEX		<0.00202	0.00202	mg/kg	12.30.17 02.45	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	89	%	80-120	12.30.17 02.45		
1,4-Difluorobenzene	540-36-3	93	%	80-120	12.30.17 02.45		



Certificate of Analytical Results 572349



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

Sample Id: **Section B- Wall #15**

Matrix: Soil

Date Received: 12.27.17 16.10

Lab Sample Id: 572349-007

Date Collected: 12.21.17 14.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: OJS

% Moisture:

Analyst: OJS

Date Prep: 01.05.18 16.00

Basis: Wet Weight

Seq Number: 3037573

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	556	4.96	mg/kg	01.05.18 18.23		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.29.17 16.30

Basis: Wet Weight

Seq Number: 3037216

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.30.17 14.10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.30.17 14.10	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.30.17 14.10	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.30.17 14.10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	12.30.17 14.10	
o-Terphenyl	84-15-1	91	%	70-135	12.30.17 14.10	



Certificate of Analytical Results 572349



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

Sample Id: **Section B- Wall #15**

Matrix: Soil

Date Received: 12.27.17 16.10

Lab Sample Id: 572349-007

Date Collected: 12.21.17 14.20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.29.17 16.30

Basis: Wet Weight

Seq Number: 3037272

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.30.17 03.04	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.30.17 03.04	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.30.17 03.04	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	12.30.17 03.04	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	12.30.17 03.04	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	12.30.17 03.04	U	1
Total BTEX		<0.00201	0.00201	mg/kg	12.30.17 03.04	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	94	%	80-120	12.30.17 03.04		
4-Bromofluorobenzene	460-00-4	89	%	80-120	12.30.17 03.04		

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

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

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

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

Seq Number: 3037257

MB Sample Id: 7636793-1-BLK

Matrix: Solid

LCS Sample Id: 7636793-1-BKS

Prep Method: E300P

Date Prep: 12.29.17

LCSD Sample Id: 7636793-1-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	258	103	268	107	90-110	4	20	mg/kg	12.30.17 00:27	

Analytical Method: Chloride by EPA 300

Seq Number: 3037257

MB Sample Id: 7637043-1-BLK

Matrix: Solid

LCS Sample Id: 7637043-1-BKS

Prep Method: E300P

Date Prep: 01.05.18

LCSD Sample Id: 7637043-1-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	236	94	238	95	90-110	1	20	mg/kg	01.05.18 17:34	

Analytical Method: Chloride by EPA 300

Seq Number: 3037257

Parent Sample Id: 572349-001

Matrix: Soil

MS Sample Id: 572349-001 S

Prep Method: E300P

Date Prep: 12.29.17

MSD Sample Id: 572349-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	618	246	853	96	879	106	90-110	3	20	mg/kg	12.30.17 00:48	

Analytical Method: Chloride by EPA 300

Seq Number: 3037257

Parent Sample Id: 572353-003

Matrix: Soil

MS Sample Id: 572353-003 S

Prep Method: E300P

Date Prep: 12.29.17

MSD Sample Id: 572353-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	57.3	245	320	107	323	108	90-110	1	20	mg/kg	12.30.17 02:25	

Analytical Method: Chloride by EPA 300

Seq Number: 3037573

Parent Sample Id: 572702-001

Matrix: Soil

MS Sample Id: 572702-001 S

Prep Method: E300P

Date Prep: 01.05.18

MSD Sample Id: 572702-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	610	249	839	92	830	88	90-110	1	20	mg/kg	01.05.18 17:55	X

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery $[D] = 100 * (C - A) / B$
 $RPD = 200 * | (C - E) / (C + E) |$
 $[D] = 100 * (C) / [B]$ LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD ResultMS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Trinity Oilfield Services & Rentals, LLC
Indian Basin Station 210

Analytical Method: Chloride by EPA 300

Seq Number: 3037573

Parent Sample Id: 572753-003

Matrix: Soil

MS Sample Id: 572753-003 S

Prep Method: E300P

Date Prep: 01.05.18

MSD Sample Id: 572753-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	26.3	247	276	101	285	105	90-110	3	20	mg/kg	01.05.18 19:33	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3037216

MB Sample Id: 7636801-1-BLK

Matrix: Solid

LCS Sample Id: 7636801-1-BKS

Prep Method: TX1005P

Date Prep: 12.29.17

LCSD Sample Id: 7636801-1-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	1030	103	1020	102	70-135	1	35	mg/kg	12.30.17 10:37	
Diesel Range Organics (DRO)	<15.0	1000	919	92	876	88	70-135	5	35	mg/kg	12.30.17 10:37	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	91		95		93		70-135	%	12.30.17 10:37
o-Terphenyl	93		96		94		70-135	%	12.30.17 10:37

Analytical Method: TPH By SW8015 Mod

Seq Number: 3037216

Parent Sample Id: 572349-002

Matrix: Soil

MS Sample Id: 572349-002 S

Prep Method: TX1005P

Date Prep: 12.29.17

MSD Sample Id: 572349-002 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	1000	848	85	926	93	70-135	9	35	mg/kg	12.30.17 12:02	
Diesel Range Organics (DRO)	<15.0	1000	778	78	799	80	70-135	3	35	mg/kg	12.30.17 12:02	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	74		81		70-135	%	12.30.17 12:02
o-Terphenyl	88		81		70-135	%	12.30.17 12:02

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery $[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$ LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD ResultMS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Trinity Oilfield Services & Rentals, LLC
Indian Basin Station 210

Analytical Method: BTEX by EPA 8021B

Seq Number: 3037272

MB Sample Id: 7636843-1-BLK

Matrix: Solid

LCS Sample Id: 7636843-1-BKS

Prep Method: SW5030B

Date Prep: 12.29.17

LCSD Sample Id: 7636843-1-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	0.0960	95	0.0968	97	70-130	1	35	mg/kg	12.29.17 22:59	
Toluene	<0.00201	0.101	0.0890	88	0.0906	91	70-130	2	35	mg/kg	12.29.17 22:59	
Ethylbenzene	<0.00201	0.101	0.0979	97	0.0988	99	71-129	1	35	mg/kg	12.29.17 22:59	
m,p-Xylenes	<0.00402	0.201	0.192	96	0.194	97	70-135	1	35	mg/kg	12.29.17 22:59	
o-Xylene	<0.00201	0.101	0.0909	90	0.0915	92	71-133	1	35	mg/kg	12.29.17 22:59	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		103		110		80-120	%	12.29.17 22:59
4-Bromofluorobenzene	86		97		103		80-120	%	12.29.17 22:59

Analytical Method: BTEX by EPA 8021B

Seq Number: 3037272

Parent Sample Id: 572349-002

Matrix: Soil

MS Sample Id: 572349-002 S

Prep Method: SW5030B

Date Prep: 12.29.17

MSD Sample Id: 572349-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.0839	83	0.0825	83	70-130	2	35	mg/kg	12.29.17 23:37	
Toluene	<0.00202	0.101	0.0764	76	0.0751	75	70-130	2	35	mg/kg	12.29.17 23:37	
Ethylbenzene	<0.00202	0.101	0.0873	86	0.0801	80	71-129	9	35	mg/kg	12.29.17 23:37	
m,p-Xylenes	<0.00403	0.202	0.173	86	0.156	78	70-135	10	35	mg/kg	12.29.17 23:37	
o-Xylene	<0.00202	0.101	0.0846	84	0.0744	74	71-133	13	35	mg/kg	12.29.17 23:37	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	119		100		80-120	%	12.29.17 23:37
4-Bromofluorobenzene	118		98		80-120	%	12.29.17 23:37

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery $[D] = 100 * (C-A) / B$
 $RPD = 200 * | (C-E) / (C+E) |$
 $[D] = 100 * (C) / [B]$ LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD ResultMS = 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 #:

572349

Field billable Hrs:

TAT Work Days = D

Need results by: 1/2/18

Time: 1200-1300

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:

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

* 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
Other

REMARKS

****RUSH****

****RUSH****

****RUSH****

****RUSH****

****RUSH****

****RUSH****

USH****

Temp: 3.0 IR ID:R-8

CF:(0-6: -0.2°C)

(6-23: +0.2°C)

Corrected Temp:

2.8

Company:	Trinity Oilfield Services & Rentals, LLC	Phone:	(575)390-7208
Address:	P.O. Box 2587	Fax:	
City:	Hobbs	State:	NM
		Zip:	88241
PM/Attn:	Ben J. Arguijo	Email:	wade.dittrich@oxy.com & ben@trinityoilfieldservices.com
Project ID:	Indian Basin Station 210	PO#:	
Invoice To:	Oxy - Wade Dittrich (575)390-2828	Quote #:	

Sampler Name:	Tristan Payne	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	Chloride	TPH 8015M	BTEX
1	Section A - Wall #1b	12/27/17	1155	S			1		X	X	X
2	Section B - Wall #9	12/21/17	1103	S			1		X	X	X
3	Section B - Wall #10	12/21/17	1147	S			1		X	X	X
4	Section B - Wall #12	12/21/17	1346	S			1		X	X	X
5	Section B - Wall #13	12/21/17	1405	S			1		X	X	X
6	Section B - Wall #14	12/21/17	1415	S			1		X	X	X
7	Section B - Wall #15	12/21/17	1420	S			1		X	X	X
8											
9											
0											

Reg. Program / Clean-up Std	STATE for Certs & Regs	QA/QC Level & Certification	EDDs	COC & Labels	Coolers	Temp °C	Lab Use Only	YES NO N/A
CTLs TRRP DW NPDES LPST DryCln Other:	FL TX GA NC SC NJ PA OK LA AL NM Other:	1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:	ADaPT SEDD ERPIMS XLS Other:	Match Incomplete Absent Unclear	1 0.5 2 3		Non-Conformances found?	
Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time	Samples intact upon arrival?
1	Trinity	12-27-17	4:10pm	Brittany Cox		12/27/17	4:10	Received on Wet Ice?
2								Labeled with proper preservatives?
3								Received within holding time?
4								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 #

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

Final 1.001

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XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 12/27/2017 04:10:00 PM

Work Order #: 572349

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

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Shawnee Smith

Date: 12/29/2017

Checklist reviewed by:

Holly Taylor

Date: 12/29/2017



Certificate of Analysis Summary 572446

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Indian Basin Station 210



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs

Date Received in Lab: Tue Jan-02-18 04:03 pm

Report Date: 04-JAN-18

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	572446-001					
	Field Id:	Section A-Wall #4					
	Depth:						
	Matrix:	SOIL					
	Sampled:	Dec-29-17 10:30					
BTEX by EPA 8021B	Extracted:	Jan-03-18 14:00					
	Analyzed:	Jan-03-18 16:11					
	Units/RL:	mg/kg RL					
	Benzene	<0.00199 0.00199					
	Toluene	<0.00199 0.00199					
	Ethylbenzene	0.00532 0.00199					
	m,p-Xylenes	0.00481 0.00398					
	o-Xylene	<0.00199 0.00199					
	Total Xylenes	0.00481 0.00199					
	Total BTEX	0.0101 0.00199					
Chloride by EPA 300	Extracted:	Jan-03-18 11:00					
	Analyzed:	Jan-03-18 14:25					
	Units/RL:	mg/kg RL					
Chloride		290 4.94					
TPH By SW8015 Mod	Extracted:	Jan-03-18 10:00					
	Analyzed:	Jan-03-18 13:52					
	Units/RL:	mg/kg RL					
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0					
Diesel Range Organics (DRO)		<15.0 15.0					
Oil Range Hydrocarbons (ORO)		19.7 15.0					
Total TPH		19.7 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 572446
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo
Indian Basin Station 210

04-JAN-18

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)



04-JAN-18

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

Reference: XENCO Report No(s): **572446**
Indian Basin Station 210
Project Address: Hobbs

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) 572446. 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. 572446 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Holly Taylor
Project Manager

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Sample Cross Reference 572446



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Indian Basin Station 210

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Section A-Wall #4	S	12-29-17 10:30		572446-001



CASE NARRATIVE

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

Project Name: *Indian Basin Station 210*

Project ID:
Work Order Number(s): 572446

Report Date: 04-JAN-18
Date Received: 01/02/2018

Sample receipt non conformance and comments:

Sample receipt non conformance and comments per sample:

None

Analytical non conformance and comments:

Batch: LBA-3037361 BTEX by EPA 8021B

Lab Sample ID 572446-001 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: 572446-001.

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.



Certificate of Analytical Results 572446



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

Sample Id: **Section A-Wall #4** Matrix: Soil Date Received: 01.02.18 16.03
Lab Sample Id: 572446-001 Date Collected: 12.29.17 10.30
Analytical Method: Chloride by EPA 300 Prep Method: E300P
Tech: LRI % Moisture:
Analyst: LRI Date Prep: 01.03.18 11.00 Basis: Wet Weight
Seq Number: 3037363

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	290	4.94	mg/kg	01.03.18 14.25		1

Analytical Method: TPH By SW8015 Mod Prep Method: TX1005P
Tech: JUM % Moisture:
Analyst: JUM Date Prep: 01.03.18 10.00 Basis: Wet Weight
Seq Number: 3037365

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	01.03.18 13.52	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	01.03.18 13.52	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	19.7	15.0	mg/kg	01.03.18 13.52		1
Total TPH	PHC635	19.7	15.0	mg/kg	01.03.18 13.52		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	01.03.18 13.52	
o-Terphenyl	84-15-1	108	%	70-135	01.03.18 13.52	



Certificate of Analytical Results 572446



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

Sample Id: **Section A-Wall #4**

Matrix: Soil

Date Received: 01.02.18 16.03

Lab Sample Id: 572446-001

Date Collected: 12.29.17 10.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 01.03.18 14.00

Basis: Wet Weight

Seq Number: 3037361

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	01.03.18 16.11	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	01.03.18 16.11	U	1
Ethylbenzene	100-41-4	0.00532	0.00199	mg/kg	01.03.18 16.11		1
m,p-Xylenes	179601-23-1	0.00481	0.00398	mg/kg	01.03.18 16.11		1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	01.03.18 16.11	U	1
Total Xylenes	1330-20-7	0.00481	0.00199	mg/kg	01.03.18 16.11		1
Total BTEX		0.0101	0.00199	mg/kg	01.03.18 16.11		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	97		%	80-120	01.03.18 16.11	
1,4-Difluorobenzene	540-36-3	94		%	80-120	01.03.18 16.11	

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

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

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 9701 Harry Hines Blvd, Dallas, TX 75220
 5332 Blackberry Drive, San Antonio TX 78238
 1211 W Florida Ave, Midland, TX 79701
 2525 W. Huntington Dr. - Suite 102, Tempe AZ 85282

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

Trinity Oilfield Services & Rentals, LLC
Indian Basin Station 210

Analytical Method: Chloride by EPA 300

Seq Number: 3037363

MB Sample Id: 7636873-1-BLK

Matrix: Solid

LCS Sample Id: 7636873-1-BKS

Prep Method: E300P

Date Prep: 01.03.18

LCSD Sample Id: 7636873-1-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	236	94	234	94	90-110	1	20	mg/kg	01.03.18 10:47	

Analytical Method: Chloride by EPA 300

Seq Number: 3037363

Parent Sample Id: 572383-001

Matrix: Soil

MS Sample Id: 572383-001 S

Prep Method: E300P

Date Prep: 01.03.18

MSD Sample Id: 572383-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	19.8	246	269	101	270	102	90-110	0	20	mg/kg	01.03.18 12:54	

Analytical Method: Chloride by EPA 300

Seq Number: 3037363

Parent Sample Id: 572416-006

Matrix: Soil

MS Sample Id: 572416-006 S

Prep Method: E300P

Date Prep: 01.03.18

MSD Sample Id: 572416-006 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	241	98	241	98	90-110	0	20	mg/kg	01.03.18 11:16	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3037365

MB Sample Id: 7636916-1-BLK

Matrix: Solid

LCS Sample Id: 7636916-1-BKS

Prep Method: TX1005P

Date Prep: 01.03.18

LCSD Sample Id: 7636916-1-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	904	90	895	90	70-135	1	35	mg/kg	01.03.18 10:52	
Diesel Range Organics (DRO)	<15.0	1000	958	96	960	96	70-135	0	35	mg/kg	01.03.18 10:52	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	102		102		96		70-135	%	01.03.18 10:52
o-Terphenyl	105		108		93		70-135	%	01.03.18 10:52

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery $[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$ LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD ResultMS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec

Trinity Oilfield Services & Rentals, LLC
Indian Basin Station 210

Analytical Method: TPH By SW8015 Mod

Seq Number: 3037365

Parent Sample Id: 572348-004

Matrix: Soil

MS Sample Id: 572348-004 S

Prep Method: TX1005P

Date Prep: 01.03.18

MSD Sample Id: 572348-004 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	1000	865	87	900	90	70-135	4	35	mg/kg	01.03.18 11:50	
Diesel Range Organics (DRO)	<15.0	1000	921	92	954	95	70-135	4	35	mg/kg	01.03.18 11:50	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	121		115		70-135	%	01.03.18 11:50
o-Terphenyl	108		111		70-135	%	01.03.18 11:50

Analytical Method: BTEX by EPA 8021B

Seq Number: 3037361

MB Sample Id: 7636913-1-BLK

Matrix: Solid

LCS Sample Id: 7636913-1-BKS

Prep Method: SW5030B

Date Prep: 01.03.18

LCSD Sample Id: 7636913-1-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	0.0894	89	0.0877	88	70-130	2	35	mg/kg	01.03.18 13:38	
Toluene	<0.00202	0.101	0.0840	83	0.0825	83	70-130	2	35	mg/kg	01.03.18 13:38	
Ethylbenzene	<0.00202	0.101	0.0941	93	0.0914	91	71-129	3	35	mg/kg	01.03.18 13:38	
m,p-Xylenes	<0.00404	0.202	0.185	92	0.180	90	70-135	3	35	mg/kg	01.03.18 13:38	
o-Xylene	<0.00202	0.101	0.0865	86	0.0846	85	71-133	2	35	mg/kg	01.03.18 13:38	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	90		101		99		80-120	%	01.03.18 13:38
4-Bromofluorobenzene	81		92		95		80-120	%	01.03.18 13:38

Analytical Method: BTEX by EPA 8021B

Seq Number: 3037361

Parent Sample Id: 572446-001

Matrix: Soil

MS Sample Id: 572446-001 S

Prep Method: SW5030B

Date Prep: 01.03.18

MSD Sample Id: 572446-001 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	0.100	0.0693	69	0.0670	67	70-130	3	35	mg/kg	01.03.18 14:19	X
Toluene	<0.00200	0.100	0.0615	62	0.0588	59	70-130	4	35	mg/kg	01.03.18 14:19	X
Ethylbenzene	0.00532	0.100	0.0736	68	0.0717	67	71-129	3	35	mg/kg	01.03.18 14:19	X
m,p-Xylenes	0.00481	0.200	0.141	68	0.138	67	70-135	2	35	mg/kg	01.03.18 14:19	X
o-Xylene	<0.00200	0.100	0.0662	66	0.0647	65	71-133	2	35	mg/kg	01.03.18 14:19	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	100		98		80-120	%	01.03.18 14:19
4-Bromofluorobenzene	113		98		80-120	%	01.03.18 14:19

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery $[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$ LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD ResultMS = 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)561-0001-c

Page 1 of 1

LAB W.O #:

Field billable Hrs:

* Container Type Codes

VA Vial Amber ES Encore Sampler
VC Vial Clear TS TerraCore
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

** 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/So
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

1 - DAY RUSH (Results @ 24 hrs)

Temp: 1.3 IR ID:R-8
CF:(0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 1.1

Company: Trinity Oilfield Services & Rentals, LLC	Phone: (575)390-7208
Address: P.O. Box 2587	Fax:
City: Hobbs	State: NM Zip: 88241
PM/Attn: Ben J. Arguijo	Email: wade.dittrich@oxy.com & ben@trinityoilfieldservices.com
Project ID: Indian Basin Station 210	PO#:
Invoice To: Oxy - Wade Dittrich (575)390-2828	Quote #:

Sampler Name: Tristan Payne	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	Chloride	TPH	8015M	BTEX	Hold Sample (CALL)	Run PAH
1	Section A - Wall #4	12/29/17	1030	S		1		X	X	X			
2													
3													
4													
5													
6													
7													
8													
9													
0													

Reg. Program / Clean-up Std	STATE for Certs & Regs	QA/QC Level & Certification	EDDs	COC & Labels	Coolers Temp °C	Lab Use Only	YES NO N
CTLs TRRP DW NPDES LPST DryCln	FL TX GA NC SC NJ PA	1 2 3 4 CLP AFCEE QAPP	ADAPT SEDD	Match	0.5 2 3	Non-Conformances found?	
Other:	OK LA AL NM Other:	NELAC DoD-ELAP Other:	ERPIMS XLS Other:	Incomplete		Samples intact upon arrival?	
Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1 Tristan Payne	Trinity	02/01/18	1200	Paul Ryan	Trinity	02/02/18	1200
2 Paul Ryan	Trinity	2/1/18	1600	Paul Ryan	MS	01/02/18	4:03
3				Paul Ryan	Xenco	01-03-18	10:30
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

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: 01/02/2018 04:03:00 PM

Work Order #: 572446

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?	Yes
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	No
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Shawnee Smith

Date: 01/03/2018

Checklist reviewed by:

Holly Taylor

Date: 01/03/2018