

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Spill Remediation Proposal



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

Site Name: Lost Tank 33 Federal #2 SWD NMOCD Reference#: 2RP-4542

Surface Owner: US BLM Mineral Owner: US BLM

Unit Letter: "M" (SW/SW) Section: 33 Township: 21S Range: 31E County: Eddy GPS Coordinates: 32.428630 N -103.789610 W

Depth to Ground Water: 150' - 155' 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: 10/30/2017 Type of Release: Produced Water & Crude Oil Approximate Volume of Release: See Below

Background Information:

On October 30, 2017, OXY USA, Inc. (OXY), discovered a release at the Lost Tank 33 Federal #2 Salt Water Disposal (SWD). An automation failure caused a storage tank to overflow, resulting in the release of approximately 110 barrels (bbls) of produced water and 0.5 bbls of crude oil, with no recovery. The release affected a total area of the SWD containment area, caliche pad, and adjacent pastureland measuring approximately 53,000 square feet. During initial response activities, the automation error was corrected, and a backhoe was utilized to scrape up heavily saturated soil in high-traffic zones to prevent expansion of the affected area.

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 in Appendix A. General photographs of the release site are provided in Appendix B. A "Site Location Map" is provided as Figure 1.

Summary of Field Activities:

On November 6 and 7, 2017, a series of delineation trenches (SP-1 through SP-7 and FP-1 through FP-6) were advanced at the release site to investigate the extent of impacted soil. Trenches SP-1 through SP-6 were located on the caliche pad and were advanced to total depths ranging from 1 foot (SP-1) to 14 feet (SP-3) below ground surface (bgs). Trench SP-7 was located in a secondary pooling area in the pasture to the east of the SWD and was advanced to a total depth of 14 feet bgs. Trenches FP-1 through FP-6 were located in the pasture to the north of the caliche pad, along the primary flow path (FP) of the release, and were advanced to total depths ranging from 6 inches (FP-1 and FP-2) to 18 feet bgs (FP-5). A hand auger was also utilized to advance an auger hole (FP-A) in a small, secondary flow path south of the entrance to the SWD. The auger hole was advanced to a total depth of 4 feet bgs.

Soil samples were collected at 1- to 2-foot vertical intervals and field-screened with a chloride test kit. Representative samples were submitted to Xenco Laboratories in Midland, Texas, for analysis of chloride, total petroleum hydrocarbons (TPH), and benzene, toluene, ethylbenzene, and total xylenes (BTEX) concentrations using Environmental Protection Agency (EPA) Methods 300, SW 846-8015 Mod, and SW 846-8021B, respectively. Laboratory analytical results and field-screens indicated vertical delineation had been achieved in trenches SP-1, SP-2, SP-4, SP-5, SP-6, and SP-7, as well as auger hole FP-A.

On November 21, 2017, a hand auger was utilized to collect a series of soil samples from two (2) locations (SP-8 and SP-9) inside the containment area of the SWD. The auger holes were advanced to total depths of 13 feet bgs (the extents practicable). Soil samples were collected at 6-inch to 2-foot vertical intervals and field-screened with a chloride test kit. Representative samples were submitted to the laboratory for analysis of chloride, TPH, and/or BTEX concentrations.

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Spill Remediation Proposal



Summary of Field Activities (cont.):

On November 27, 2017, a hand auger was utilized to collect a series of soil samples from three (3) additional locations (SP-10 through SP-12) in and around the SWD facility. Auger hole SP-10 was advanced approximately 30 feet north of the SWD, and auger holes SP-11 and SP-12 were advanced inside the containment area. The auger holes were advanced to total depths of 13 feet bgs (the extents practicable). Soil samples were collected at 6-inch to 1-foot vertical intervals and field-screened with a chloride test kit. Representative samples were submitted to the laboratory for analysis of chloride, TPH, and/or BTEX concentrations. Laboratory analytical results and field-screens indicated vertical delineation had been achieved in auger hole FP-11.

The locations of the delineation trenches and auger holes are depicted in Figure 2, "Sample Location Map". Laboratory analytical results are summarized in Table 1, and analytical reports are provided in Appendix D.

Proposed Activities:

Review of historic aerial imagery, documentation on the NMOCD's online imaging system, and laboratory analytical results and field-screens from the delineation events indicates the release impacted an area which had been affected by a series of releases in the past (see NMOCD remediation permits 2RP-1797 and 3291). Releases 2RP-1797 and 3291 were remediated by a previous contractor. Per documentation and correspondence included with the "Closure Report" for each release, the impacted areas were excavated to depths ranging from 1 to 2.5 feet bgs. A review of laboratory analytical documentation provided in the reports indicates that a zone of contaminated soil was left in-situ ranging from from 1 to 7 feet bgs. No liners were installed to inhibit vertical migration of contaminants, and no documentation of sidewall samples is included in either "Closure Report" to confirm that horizontal delineation of the releases had been achieved. Laboratory analytical results, field screens, and observations made on-site indicate that the October 2017 release commingled with the in-situ zone of contaminated soil.

The elevated chloride concentrations observed in delineation trenches FP-1 through FP-6 are incongruent with the concentrations encountered in other areas impacted by the release, with the exceptions of samples collected near ground surface inside the containment area of the SWD (i.e., SP-8 @ 6", SP-9 @ 6", SP-11 @ 6", and SP-12 @ 6"). The depth of impact in the areas represented by trenches FP-2 through FP-6 strongly suggests that the contamination is attributable to the aforementioned historic pit and/or previous releases.

OXY proposes to conduct the following activities to progress the Lost Tank 33 Federal #2 SWD release site to an NMOCD- and BLM-approved closure:

- Excavation in some impacted areas may be hindered by the presence of active storage tanks, pipes, pumps, electrical lines, etc. The excavation will be advanced horizontally until field test readings and/or visual/olfactory senses suggest contaminants of concern are below the NMOCD "Recommended Remediation Action Levels" (RRALs) established for the site (or to the extent practicable). The excavation will be advanced vertically as follows:
 - Maximum depth of 6 inches bgs immediately adjacent to any active storage tanks, pipelines, etc.
 - Maximum depth of 1 foot bgs in the areas represented by trenches SP-1, SP-4, and SP-6.
 - Maximum depth of 2 feet bgs in the areas represented by trenches FP-1 through FP-5 (in congruence with the remediation plan and "Closure Report" for commingled release 2RP-1797), SP-5 and auger holes SP-8, SP-9, SP-11, and SP-12.
 - Maximum depth of 3 feet bgs in the area represented by auger hole FP-A.
 - Maximum depth of 4 feet bgs in the areas represented by trenches SP-2, SP-3, SP-7, and FP-6 and auger hole SP-10.
- Soil samples will be collected at approximate 50-foot horizontal intervals from the sidewalls of the excavation(s) and submitted to Xenco Laboratories for confirmatory analyses of chloride, TPH, and/or BTEX concentrations using the EPA analytical methods listed in the "Summary of Field Activities" above.
- All excavated soil will be stockpiled on-site on 6-mil plastic, pending transfer to Lea Land, Inc. (NMOCD Permit #WM-01-035), for disposal.
- All open excavations will be fenced off during periods of inactivity to prevent injury to oilfield personnel, livestock, and wildlife.

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Spill Remediation Proposal



Proposed Activities (cont.):

- A 20-mil, impermeable, plastic liner will be installed at approximately 4 feet bgs in the areas represented by trenches SP-3, SP-7, and FP-6 and auger hole SP-10. This engineered control will serve to inhibit vertical migration of contaminants remaining in-situ. Felt padding or a cushion of sand will be placed on the floor(s) of the excavation(s) prior to liner installation to protect the liner(s) during backfilling activities.
- An impermeable liner will be installed in the containment area of the SWD (represented by auger holes SP-8, SP-9, SP-11, and SP-12) to mitigate potential releases and inhibit vertical migration of contaminants remaining in-situ.
- Following remediation activities, the excavation(s) will be backfilled with non-impacted material, compacted, and contoured to fit the surrounding topography.
- Disturbed areas in the pasture (outside the footprint of the historic pit) will be seeded with a BLM-approved seed mix at a time conducive to germination.
- Upon completion of the aforementioned corrective actions, a "Remediation Summary & Closure Request" 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

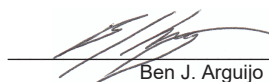
Table 2: Chloride Field Tests

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

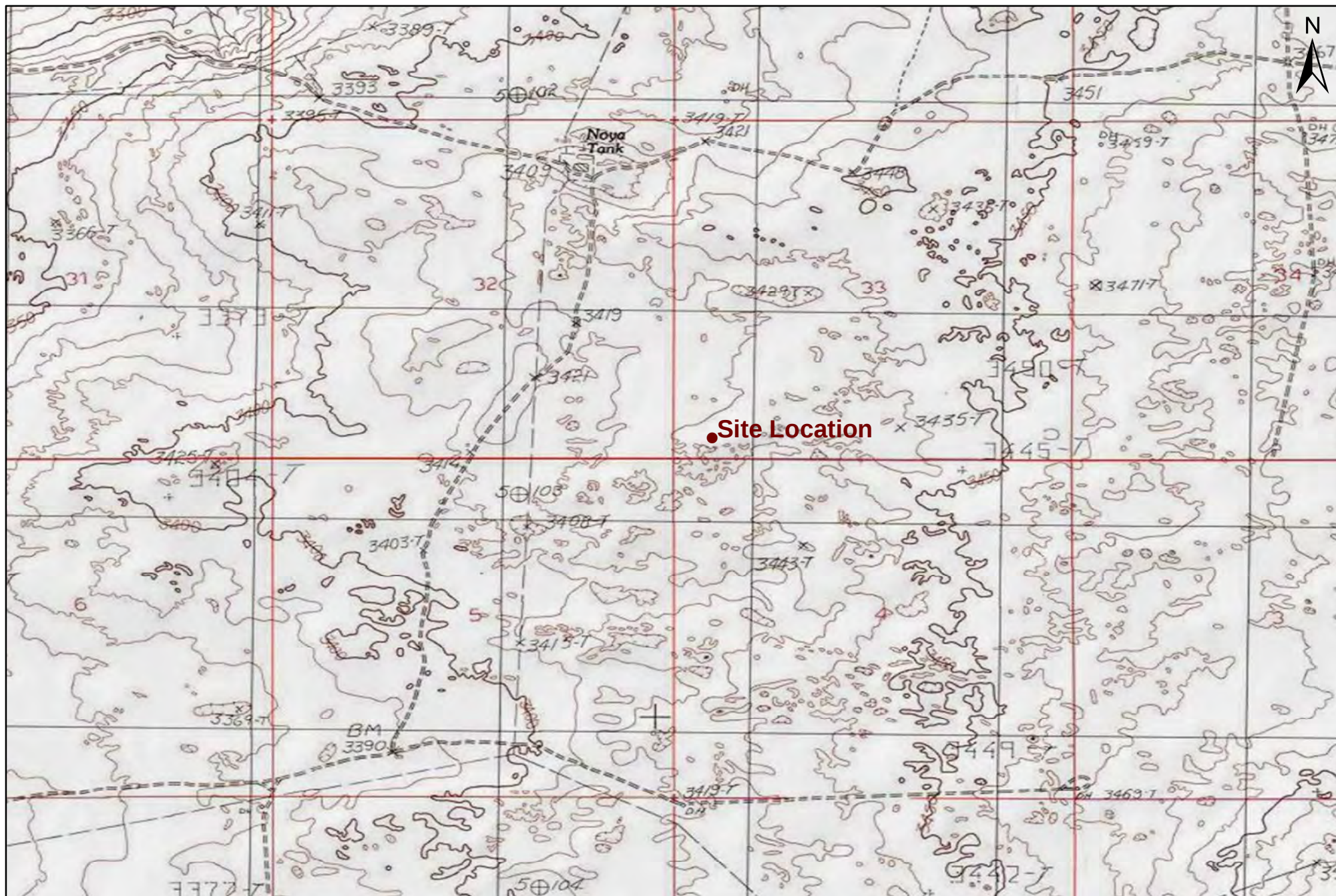
Appendix B: Photographs

Appendix C: Depth-to-Groundwater Data

Appendix D: Laboratory Analytical Results

 3/15/2018
Ben J. Arguijo
Project Manager

Figures



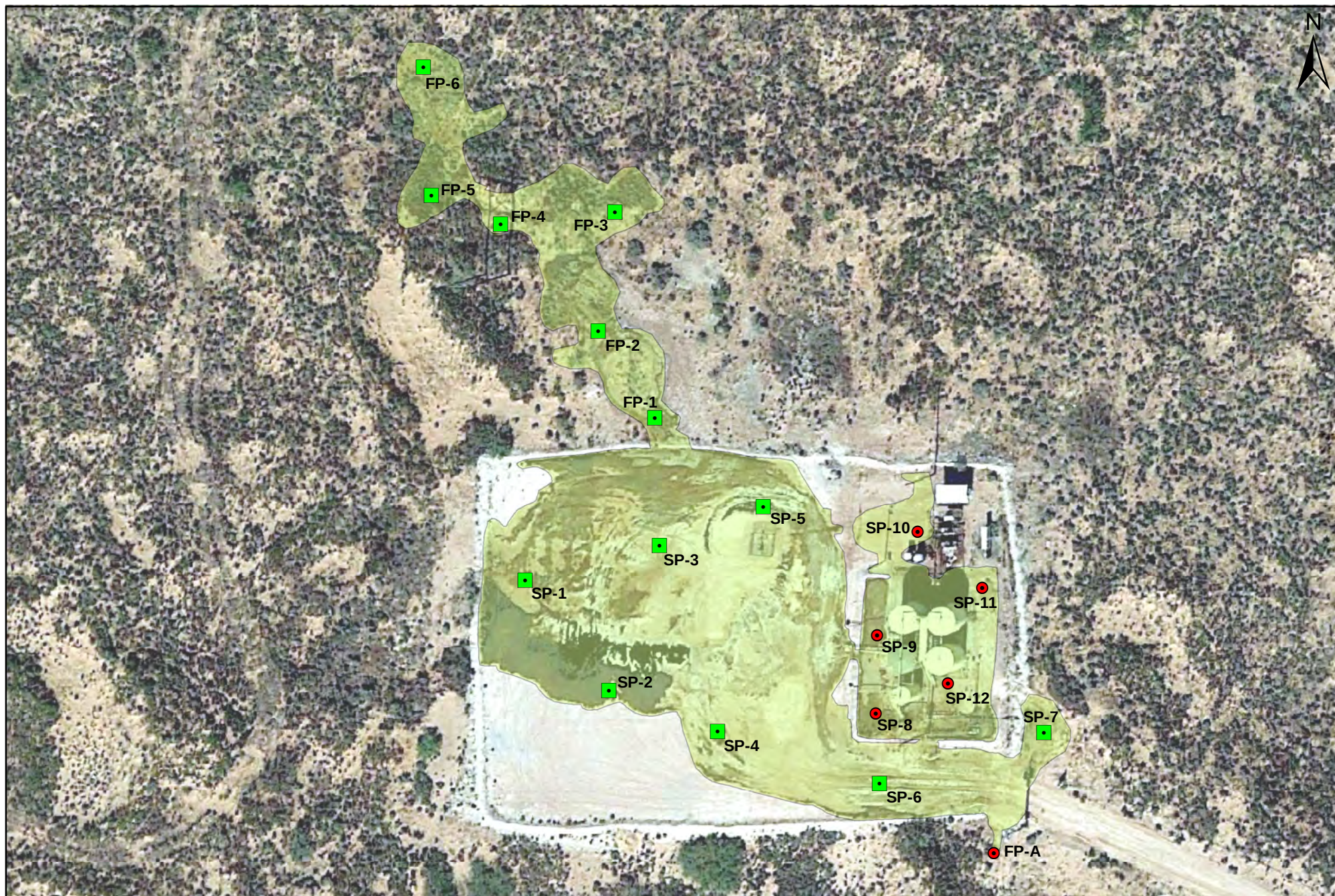
2,000 1,000 0 2,000
Distance in Feet

Figure 1
Site Location Map
OXY USA, Inc.
Lost Tank 33 Federal #2 SWD
Eddy County, New Mexico
NMOCD Reference #: 2RP-4542



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

Drawn By: BJA	Checked By: CTR
March 15, 2018	Scale: 1" = 2,000'



35 17.5 0 35 70



Distance in Feet

Legend

- Release
- Auger Hole
- Delineation Trench

Figure 2
Sample Location Map
OXY USA, Inc.
Lost Tank 33 Federal #2 SWD
Eddy County, New Mexico
NMOCD Reference #: 2RP-4542



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

Drawn By: BJA	Checked By: CTR
March 15, 2018	Scale: 1" = 70'

Tables

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

OXY USA, INC.
LOST TANK 33 FEDERAL #2 SWD
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: 2RP-4542



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030							METHOD: 8015 Mod				300
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	EXT DRO C ₂₈ -C ₃₅ (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Levels (RRALs)				10	NE	NE	NE	NE	NE	50	NE	NE	NE	5,000	600
SP-1 @ 1'	1'	11/6/2017	In-Situ	<0.00351	<0.00351	<0.00351	<0.00702	<0.00351	<0.00351	<0.00351	<15.0	<15.0	<15.0	<15.0	324
SP-2 @ 1'	1'	11/6/2017	In-Situ	<0.00332	<0.00332	<0.00332	<0.00664	<0.00332	<0.00332	<0.00332	<15.0	<15.0	<15.0	<15.0	1,020
SP-2 @ 4'	4'	11/6/2017	In-Situ	<0.00330	<0.00330	<0.00330	<0.00660	<0.00330	<0.00330	<0.00330	<15.0	25.8	<15.0	25.8	1,100
SP-2 @ 7'	7'	11/6/2017	In-Situ	<0.00348	<0.00348	<0.00348	<0.00697	<0.00348	<0.00348	<0.00348	<15.0	<15.0	<15.0	<15.0	157
SP-3 @ 1'	1'	11/6/2017	In-Situ	<0.00344	<0.00344	<0.00344	<0.00687	<0.00344	<0.00344	<0.00344	<15.0	<15.0	<15.0	<15.0	420
SP-3 @ 4'	4'	11/6/2017	In-Situ	<0.00341	<0.00341	<0.00341	<0.00683	<0.00341	<0.00341	<0.00341	<15.0	<15.0	<15.0	192	761
SP-3 @ 8'	8'	11/6/2017	In-Situ	<0.00341	<0.00341	<0.00341	<0.00683	<0.00341	<0.00341	<0.00341	<15.0	<15.0	<15.0	<15.0	1,850
SP-3 @ 14'	14'	11/6/2017	In-Situ	<0.00336	<0.00336	<0.00336	<0.00671	<0.00336	<0.00336	<0.00336	<14.9	<14.9	<14.9	<14.9	783
SP-4 @ 1'	1'	11/6/2017	In-Situ	<0.00339	<0.00339	<0.00339	<0.00678	<0.00339	<0.00339	<0.00339	<15.0	<15.0	<15.0	<15.0	341
SP-4 @ 6'	6'	11/6/2017	In-Situ	<0.00341	<0.00341	<0.00341	<0.00683	<0.00341	<0.00341	<0.00341	<15.0	<15.0	<15.0	<15.0	53.7
SP-5 @ 1'	1'	11/6/2017	In-Situ	<0.00334	<0.00334	<0.00334	<0.00669	<0.00334	<0.00334	<0.00334	<15.0	<15.0	<15.0	<15.0	1,040
SP-5 @ 4'	4'	11/6/2017	In-Situ	<0.00331	<0.00331	<0.00331	<0.00662	<0.00331	<0.00331	<0.00331	<14.9	<14.9	<14.9	<14.9	294
SP-6 @ 1'	1'	11/7/2017	In-Situ	<0.00332	<0.00332	<0.00332	<0.00664	<0.00332	<0.00332	<0.00332	<14.9	<14.9	<14.9	<14.9	22.3
SP-6 @ 2'	2'	11/7/2017	In-Situ	<0.00336	<0.00336	<0.00336	<0.00671	<0.00336	<0.00336	<0.00336	<15.0	<15.0	<15.0	<15.0	292
SP-7 @ 2'	2'	11/7/2017	In-Situ	<0.00327	<0.00327	<0.00327	<0.00654	<0.00327	<0.00327	<0.00327	<15.0	<15.0	<15.0	<15.0	3,630
SP-7 @ 10'	10'	11/7/2017	In-Situ	<0.00346	<0.00346	<0.00346	<0.00692	<0.00346	<0.00346	<0.00346	<15.0	<15.0	<15.0	<15.0	14,500
SP-7 @ 12'	12'	11/7/2017	In-Situ	<0.00351	<0.00351	<0.00351	<0.00702	<0.00351	<0.00351	<0.00351	<15.0	<15.0	<15.0	<15.0	164
SP-7 @ 14'	14'	11/7/2017	In-Situ	<0.00360	<0.00360	<0.00360	<0.00719	<0.00360	<0.00360	<0.00360	<14.9	<14.9	<14.9	<14.9	26.4
SP-8 @ 6"	6"	11/21/2017	In-Situ	<0.0100	<0.0100	0.0238	0.106	0.0371	0.143	0.167	22.5	262	64.5	349	17,400
SP-8 @ 3'	3'	11/21/2017	In-Situ	<0.0100	<0.0100	<0.0100	<0.0200	<0.0100	<0.0100	<0.0100	<14.9	75.3	<14.9	75.3	536
SP-8 @ 4'	4'	11/21/2017	In-Situ	<0.0100	<0.0100	<0.0100	<0.0200	<0.0100	<0.0100	<0.0100	<14.9	32.5	<14.9	32.5	1,280
SP-8 @ 7'	7'	11/21/2017	In-Situ	<0.0100	<0.0100	<0.0100	<0.0200	<0.0100	<0.0100	<0.0100	<15.0	<15.0	<15.0	<15.0	282
SP-8 @ 8'	8'	11/21/2017	In-Situ	<0.0100	<0.0100	<0.0100	<0.0200	<0.0100	<0.0100	<0.0100	<15.0	<15.0	<15.0	<15.0	4,680
SP-8 @ 10'	10'	11/21/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	36.9	<15.0	36.9	1,080
SP-8 @ 12'	12'	11/21/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	486
SP-8 @ 13'	13'	11/21/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	465
SP-9 @ 6"	6"	11/21/2017	In-Situ	0.0023	0.0196	0.0082	0.0319	0.0117	0.0436	0.0737	95.0	3,330	743	4,170	21,500
SP-9 @ 5'	5'	11/21/2017	In-Situ	<0.0020	<0.0020	0.0044	0.0083	0.0081	0.0164	0.0207	19.3	568	116	703	2,290
SP-9 @ 10'	10'	11/21/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	0.0021	0.0021	0.0021	<15.0	277	65.0	342	475
SP-9 @ 13'	13'	11/21/2017	In-Situ	<0.0020	<0.0020	<0.0020	0.0050	0.0029	0.0079	0.0079	<15.0	368	82.2	450	3,530

NE = Not established

- = Not analyzed

Concentrations in BOLD exceed NMOCD RRALs

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

OXY USA, INC.
LOST TANK 33 FEDERAL #2 SWD
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: 2RP-4542



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030							METHOD: 8015 Mod				300
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	EXT DRO C ₂₈ -C ₃₅ (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Levels (RRALs)				10	NE	NE	NE	NE	NE	50	NE	NE	NE	5,000	600
SP-10 @ 6"	6"	11/27/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	4,240
SP-10 @ 1'	1'	11/27/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	1,870
SP-10 @ 5'	5'	11/27/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	2,640
SP-10 @ 9'	9'	11/27/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	4,230
SP-10 @ 13'	13'	11/27/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	1,480
SP-11 @ 6"	6"	11/27/2017	In-Situ	<0.0020	<0.0020	0.0051	0.0138	0.0190	0.0328	0.0379	124	3,440	1,100	4,660	21,200
SP-11 @ 1'	1'	11/27/2017	In-Situ	<0.0034	<0.0034	0.0283	0.0927	0.114	0.207	0.235	254	2,990	695	3,940	12,200
SP-11 @ 3'	3'	11/27/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	56.1	18.5	74.6	423
SP-11 @ 10'	10'	11/27/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	98.1	32.8	131	827
SP-11 @ 13'	13'	11/27/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	40.6	<15.0	40.6	330
SP-12 @ 6"	6"	11/27/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	58.2	<15.0	58.2	20,800
SP-12 @ 1'	1'	11/27/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	10,800
SP-12 @ 2'	2'	11/27/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	2,000
SP-12 @ 4'	4'	11/27/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	1,710
SP-12 @ 6'	6'	11/27/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	428
SP-12 @ 10'	10'	11/27/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	2,060
SP-12 @ 13'	13'	11/27/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	2,000
FP-1 @ 6"	6"	11/6/2017	In-Situ	<0.00337	<0.00337	<0.00337	<0.00673	<0.00337	<0.00337	<0.00337	<15.0	<15.0	<15.0	<15.0	17,600
FP-2 @ 6"	6"	11/6/2017	In-Situ	-	-	-	-	-	-	-	388	6,020	930	7,340	16,700
FP-3 @ 1'	1'	11/6/2017	In-Situ	<0.00339	<0.00339	<0.00339	<0.00678	<0.00339	<0.00339	<0.00339	<15.0	<15.0	<15.0	<15.0	10,300
FP-3 @ 4'	4'	11/6/2017	In-Situ	<0.00336	<0.00336	<0.00336	<0.00671	<0.00336	<0.00336	<0.00336	<15.0	<15.0	<15.0	<15.0	2,340
FP-3 @ 6'	6'	11/6/2017	In-Situ	<0.00338	<0.00338	<0.00338	<0.00676	<0.00338	<0.00338	<0.00338	<15.0	<15.0	<15.0	<15.0	14,900
FP-3 @ 14'	14'	11/6/2017	In-Situ	<0.00331	<0.00331	<0.00331	<0.00662	<0.00331	<0.00331	<0.00331	<15.0	34.5	<15.0	34.5	15,100
FP-4 @ 1'	1'	11/7/2017	In-Situ	<0.00332	<0.00332	<0.00332	<0.00664	<0.00332	<0.00332	<0.00332	<15.0	<15.0	<15.0	<15.0	17,400
FP-4 @ 4'	4'	11/7/2017	In-Situ	<0.00339	<0.00339	<0.00339	<0.00678	<0.00339	<0.00339	<0.00339	<15.0	<15.0	<15.0	<15.0	8,830
FP-4 @ 8'	8'	11/7/2017	In-Situ	<0.00346	<0.00346	<0.00346	<0.00692	<0.00346	<0.00346	<0.00346	<15.0	<15.0	<15.0	<15.0	849
FP-5 @ 1'	1'	11/7/2017	In-Situ	<0.00348	<0.00348	<0.00348	<0.00697	<0.00348	<0.00348	<0.00348	<14.9	<14.9	<14.9	<14.9	7,350
FP-5 @ 4'	4'	11/7/2017	In-Situ	<0.00361	<0.00361	<0.00361	<0.00722	<0.00361	<0.00361	<0.00361	<15.0	<15.0	<15.0	<15.0	20,300
FP-5 @ 14'	14'	11/7/2017	In-Situ	<0.00328	<0.00328	<0.00328	<0.00656	<0.00328	<0.00328	<0.00328	<15.0	<15.0	<15.0	<15.0	4,850
FP-5 @ 18'	18'	11/7/2017	In-Situ	<0.00336	<0.00336	<0.00336	<0.00671	<0.00336	<0.00336	<0.00336	<15.0	29.2	<15.0	29.2	11,800

NE = Not established

- = Not analyzed

Concentrations in BOLD exceed NMOCD RRALs

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

OXY USA, INC.
 LOST TANK 33 FEDERAL #2 SWD
 EDDY COUNTY, NEW MEXICO
 NMOCD REFERENCE #: 2RP-4542



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030							METHOD: 8015 Mod				300
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	EXT DRO C ₂₈ -C ₃₅ (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Levels (RRALs)				10	NE	NE	NE	NE	NE	50	NE	NE	NE	5,000	600
FP-6 @ 1'	1'	11/7/2017	In-Situ	<0.00339	<0.00339	<0.00339	<0.00678	<0.00339	<0.00339	<0.00339	<15.0	<15.0	<15.0	<15.0	6,260
FP-6 @ 10'	10'	11/7/2017	In-Situ	<0.00358	<0.00358	<0.00358	<0.00717	<0.00358	<0.00358	<0.00358	<15.0	<15.0	<15.0	<15.0	14,200
FP-6 @ 14'	14'	11/7/2017	In-Situ	<0.00332	<0.00332	<0.00332	<0.00664	<0.00332	<0.00332	<0.00332	<15.0	<15.0	<15.0	<15.0	12,700
FP-A @ 1'	1'	11/7/2017	In-Situ	<0.00341	<0.00341	<0.00341	<0.00683	<0.00341	<0.00341	<0.00341	<15.0	<15.0	<15.0	<15.0	3,430
FP-A @ 4'	4'	11/7/2017	In-Situ	<0.00336	<0.00336	<0.00336	<0.00671	<0.00336	<0.00336	<0.00336	<15.0	<15.0	<15.0	<15.0	44.9

NE = Not established

- = Not analyzed

Concentrations in BOLD exceed NMOCD RRALs

**TABLE 2
CHLORIDE FIELD TESTS**

**OXY USA, INC.
LOST TANK 33 FEDERAL #2 SWD
EDDY COUNTY, NEW MEXICO
NMOCD REF. #: 2RP-4542**



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	HACH QUANTAB
				CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Level (RRAL)				600
SP-1 @ 1'	1'	11/6/2017	In-Situ	184
SP-2 @ 1'	1'	11/6/2017	In-Situ	920
SP-2 @ 2'	2'	11/6/2017	In-Situ	1,248
SP-2 @ 3'	3'	11/6/2017	In-Situ	920
SP-2 @ 4'	4'	11/6/2017	In-Situ	212
SP-2 @ 5'	5'	11/6/2017	In-Situ	184
SP-3 @ 1'	1'	11/6/2017	In-Situ	440
SP-3 @ 2'	2'	11/6/2017	In-Situ	572
SP-3 @ 4'	4'	11/6/2017	In-Situ	728
SP-3 @ 6'	6'	11/6/2017	In-Situ	1,248
SP-3 @ 8'	8'	11/6/2017	In-Situ	1,696
SP-3 @ 10'	10'	11/6/2017	In-Situ	852
SP-3 @ 12'	12'	11/6/2017	In-Situ	852
SP-3 @ 14'	14'	11/6/2017	In-Situ	672
SP-4 @ 1'	1'	11/6/2017	In-Situ	368
SP-4 @ 2'	2'	11/6/2017	In-Situ	572
SP-4 @ 4'	4'	11/6/2017	In-Situ	212
SP-4 @ 6'	6'	11/6/2017	In-Situ	184
SP-5 @ 1'	1'	11/6/2017	In-Situ	992
SP-5 @ 2'	2'	11/6/2017	In-Situ	184
SP-5 @ 4'	4'	11/6/2017	In-Situ	212
SP-6 @ 1'	1'	11/7/2017	In-Situ	<128
SP-6 @ 2'	2'	11/7/2017	In-Situ	136
SP-7 @ 2'	2'	11/7/2017	In-Situ	3,560
SP-7 @ 4'	4'	11/7/2017	In-Situ	4,180
SP-7 @ 6'	6'	11/7/2017	In-Situ	3,024
SP-7 @ 8'	8'	11/7/2017	In-Situ	3,560
SP-7 @ 10'	10'	11/7/2017	In-Situ	13,664
SP-7 @ 12'	12'	11/7/2017	In-Situ	136
SP-7 @ 14'	14'	11/7/2017	In-Situ	<128
SP-8 @ 6"	6"	11/21/2017	In-Situ	10,308
SP-8 @ 1'	1'	11/21/2017	In-Situ	1,312
SP-8 @ 2'	2'	11/21/2017	In-Situ	320
SP-8 @ 3'	3'	11/21/2017	In-Situ	392
SP-8 @ 4'	4'	11/21/2017	In-Situ	1,520

Concentrations in BOLD exceed the NMOCD RRAL

**TABLE 2
CHLORIDE FIELD TESTS**

**OXY USA, INC.
LOST TANK 33 FEDERAL #2 SWD
EDDY COUNTY, NEW MEXICO
NMOCD REF. #: 2RP-4542**



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	HACH QUANTAB
				CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Level (RRAL)				600
SP-8 @ 5'	5'	11/21/2017	In-Situ	1,632
SP-8 @ 6'	6'	11/21/2017	In-Situ	612
SP-8 @ 7'	7'	11/21/2017	In-Situ	288
SP-8 @ 8'	8'	11/21/2017	In-Situ	4,900
SP-8 @ 9'	9'	11/21/2017	In-Situ	228
SP-8 @ 10'	10'	11/21/2017	In-Situ	844
SP-8 @ 11'	11'	11/21/2017	In-Situ	320
SP-8 @ 12'	12'	11/21/2017	In-Situ	228
SP-8 @ 13'	13'	11/21/2017	In-Situ	780
SP-9 @ 6"	6"	11/21/2017	In-Situ	15,128
SP-9 @ 1'	1'	11/21/2017	In-Situ	1,756
SP-9 @ 2'	2'	11/21/2017	In-Situ	1,888
SP-9 @ 4'	4'	11/21/2017	In-Situ	1,756
SP-9 @ 5'	5'	11/21/2017	In-Situ	1,756
SP-9 @ 6'	6'	11/21/2017	In-Situ	2,360
SP-9 @ 7'	7'	11/21/2017	In-Situ	2,548
SP-9 @ 8'	8'	11/21/2017	In-Situ	2,552
SP-9 @ 9'	9'	11/21/2017	In-Situ	4,180
SP-9 @ 10'	10'	11/21/2017	In-Situ	4,180
SP-9 @ 11'	11'	11/21/2017	In-Situ	3,860
SP-9 @ 12'	12'	11/21/2017	In-Situ	3,860
SP-9 @ 13'	13'	11/21/2017	In-Situ	2,060
SP-10 @ 6"	6"	11/27/2017	In-Situ	3,860
SP-10 @ 1'	1'	11/27/2017	In-Situ	1,756
SP-10 @ 2'	2'	11/27/2017	In-Situ	2,780
SP-10 @ 3'	3'	11/27/2017	In-Situ	3,024
SP-10 @ 4'	4'	11/27/2017	In-Situ	2,780
SP-10 @ 5'	5'	11/27/2017	In-Situ	3,284
SP-10 @ 6'	6'	11/27/2017	In-Situ	2,188
SP-10 @ 7'	7'	11/27/2017	In-Situ	3,024
SP-10 @ 8'	8'	11/27/2017	In-Situ	3,024
SP-10 @ 9'	9'	11/27/2017	In-Situ	4,180
SP-10 @ 10'	10'	11/27/2017	In-Situ	2,780
SP-10 @ 11'	11'	11/27/2017	In-Situ	2,032
SP-10 @ 12'	12'	11/27/2017	In-Situ	1,888
SP-10 @ 13'	13'	11/27/2017	In-Situ	720
SP-11 @ 6"	6"	11/27/2017	In-Situ	11,288
SP-11 @ 1'	1'	11/27/2017	In-Situ	7,956
SP-11 @ 2'	2'	11/27/2017	In-Situ	564

Concentrations in BOLD exceed the NMOCD RRAL

**TABLE 2
CHLORIDE FIELD TESTS**

**OXY USA, INC.
LOST TANK 33 FEDERAL #2 SWD
EDDY COUNTY, NEW MEXICO
NMOCD REF. #: 2RP-4542**



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	HACH QUANTAB
				CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Level (RRAL)				600
SP-11 @ 3'	3'	11/27/2017	In-Situ	288
SP-11 @ 4'	4'	11/27/2017	In-Situ	472
SP-11 @ 5'	5'	11/27/2017	In-Situ	432
SP-11 @ 6'	6'	11/27/2017	In-Situ	320
SP-11 @ 7'	7'	11/27/2017	In-Situ	228
SP-11 @ 8'	8'	11/27/2017	In-Situ	356
SP-11 @ 9'	9'	11/27/2017	In-Situ	356
SP-11 @ 10'	10'	11/27/2017	In-Situ	564
SP-11 @ 11'	11'	11/27/2017	In-Situ	564
SP-11 @ 12'	12'	11/27/2017	In-Situ	228
SP-11 @ 13'	13'	11/27/2017	In-Situ	392
SP-12 @ 6"	6"	11/27/2017	In-Situ	15,128
SP-12 @ 1'	1'	11/27/2017	In-Situ	6,748
SP-12 @ 2'	2'	11/27/2017	In-Situ	1,632
SP-12 @ 3'	3'	11/27/2017	In-Situ	1,888
SP-12 @ 4'	4'	11/27/2017	In-Situ	2,188
SP-12 @ 5'	5'	11/27/2017	In-Situ	392
SP-12 @ 6'	6'	11/27/2017	In-Situ	320
SP-12 @ 7'	7'	11/27/2017	In-Situ	356
SP-12 @ 8'	8'	11/27/2017	In-Situ	516
SP-12 @ 9'	9'	11/27/2017	In-Situ	720
SP-12 @ 10'	10'	11/27/2017	In-Situ	2,188
SP-12 @ 11'	11'	11/27/2017	In-Situ	1,520
SP-12 @ 12'	12'	11/27/2017	In-Situ	1,136
SP-12 @ 13'	13'	11/27/2017	In-Situ	1,632
FP-1 @ 6"	6"	11/6/2017	In-Situ	18,832
FP-2 @ 6"	6"	11/6/2017	In-Situ	15,128
FP-3 @ 1'	1'	11/6/2017	In-Situ	10,308
FP-3 @ 2'	2'	11/6/2017	In-Situ	5,304
FP-3 @ 4'	4'	11/6/2017	In-Situ	852
FP-3 @ 6'	6'	11/6/2017	In-Situ	15,128
FP-3 @ 8'	8'	11/6/2017	In-Situ	11,288
FP-3 @ 10'	10'	11/6/2017	In-Situ	18,832
FP-3 @ 14'	14'	11/6/2017	In-Situ	12,128
FP-4 @ 1'	1'	11/7/2017	In-Situ	15,128
FP-4 @ 2'	2'	11/7/2017	In-Situ	9,436
FP-4 @ 4'	4'	11/7/2017	In-Situ	10,308

Concentrations in BOLD exceed the NMOCD RRAL

**TABLE 2
CHLORIDE FIELD TESTS**

**OXY USA, INC.
LOST TANK 33 FEDERAL #2 SWD
EDDY COUNTY, NEW MEXICO
NMOCD REF. #: 2RP-4542**



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	HACH QUANTAB
				CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Level (RRAL)				600
FP-4 @ 6'	6'	11/7/2017	In-Situ	160
FP-4 @ 8'	8'	11/7/2017	In-Situ	212
FP-5 @ 1'	1'	11/7/2017	In-Situ	6,224
FP-5 @ 2'	2'	11/7/2017	In-Situ	13,664
FP-5 @ 4'	4'	11/7/2017	In-Situ	15,128
FP-5 @ 6'	6'	11/7/2017	In-Situ	12,396
FP-5 @ 8'	8'	11/7/2017	In-Situ	10,308
FP-5 @ 10'	10'	11/7/2017	In-Situ	10,308
FP-5 @ 12'	12'	11/7/2017	In-Situ	8,656
FP-5 @ 14'	14'	11/7/2017	In-Situ	4,900
FP-5 @ 16'	16'	11/7/2017	In-Situ	15,128
FP-5 @ 18'	18'	11/7/2017	In-Situ	11,288
FP-6 @ 1'	1'	11/7/2017	In-Situ	6,224
FP-6 @ 2'	2'	11/7/2017	In-Situ	6,224
FP-6 @ 4'	4'	11/7/2017	In-Situ	6,224
FP-6 @ 6'	6'	11/7/2017	In-Situ	9,436
FP-6 @ 8'	8'	11/7/2017	In-Situ	9,436
FP-6 @ 10'	10'	11/7/2017	In-Situ	15,128
FP-6 @ 12'	12'	11/7/2017	In-Situ	11,288
FP-6 @ 14'	14'	11/7/2017	In-Situ	12,396
FP-A @ 1'	1'	11/7/2017	In-Situ	3,560
FP-A @ 2'	2'	11/7/2017	In-Situ	852
FP-A @ 4'	4'	11/7/2017	In-Situ	128

Appendices

Appendix A

Release Notification &

Corrective Action (Form C-141)

NM OIL CONSERVATION
ARTESIA DISTRICT

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

DEC 27 2017

State of New Mexico
Energy Minerals and Natural Resources

DEC 27 2017

Form C-141
Revised April 3, 2017

RECEIVED

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

RECEIVED

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

Release Notification and Corrective Action

NAB18005534125		OPERATOR		☒ Initial Report	☐ Final Report
Name of Company OXY USA INC		Contact WADE DITTRICH			
Address PO BOX 4294; HOUSTON, TX 77210		Telephone No. 575-390-2828			
Facility Name LOST TANK 33 FEDERAL #2 SWD		Facility Type SWD			
Surface Owner FEDERAL		Mineral Owner FEDERAL		API No. 30-015-29330	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
M	33	21S	31E	330	SOUTH	510	WEST	EDDY

Latitude 32.2166 Longitude -103.1756 NAD83
32.428680 NATURE OF RELEASE -103.789610

Type of Release PRODUCED WATER	Volume of Release .5 BBL OIL 110 BBLs PRODUCED WATER	Volume Recovered TBD
Source of Release TANKS OVERFLOWED	Date and Hour of Occurrence 10/30/2017	Date and Hour of Discovery 10/30/2017
Was Immediate Notice Given? ☒ Yes ☐ No ☐ Not Required	If YES, To Whom? MIKE BRATCHER-NMOC; CRYSTAL WEAVER-NMOC; SHELLY TUCKER-BLM	
By Whom? WADE DITTRICH	Date and Hour 10/30/2017 @ 4:10 PM	
Was a Watercourse Reached? ☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.	

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Tank overflowed due to automation error. A Backhoe was used to clean up initial area to prevent traffic from extending the affected area. The issue was corrected and returned to service.

Describe Area Affected and Cleanup Action Taken.*

Affected area of the spill is approximately 150x150 ft (measurements are subject to change with GPS tracking). Remediation will be completed in accordance with a remediation plan approved by the NMOC 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 NMOC 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 NMOC 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, NMOC 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>Waide Dittich</u>		OIL CONSERVATION DIVISION	
Printed Name: WADE DITTRICH		Approved by Environmental Specialist: <u>Crystal W</u>	
Title: ENVIROMENTAL COORDINATOR		Approval Date: <u>11/5/18</u>	Expiration Date: <u>N/A</u>
E-mail Address: <u>wade_dittich@oxy.com</u>		Conditions of Approval: <u>see attached</u>	Attached ☒ <u>APP. 4543</u>
Date: 12/27/2017	Phone: 575-390-2828		

11/21/18 AB

Appendix B

Depth-to-Groundwater Data



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C_02727			ED	3	1	1	33	21S	31E	613716	3589809*	1219	913		

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 1

UTMNAD83 Radius Search (in meters):

Easting (X): 613796

Northing (Y): 3588592

Radius: 1610

*UTM location was derived from PLSS - see Help

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

11/9/17 3:30 PM

WATER COLUMN/ AVERAGE DEPTH TO
WATER



Figure 3
Depth-to-Groundwater Trend Map
 OXY USA, Inc.
 Lost Tank 33 Federal #2 SWD
 Eddy County, New Mexico
 NMOCD Reference #: 2RP-4542



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

Drawn By: BJA	Checked By: CTR
March 15, 2018	Not To Scale

Appendix C

Photographs

OXY USA, Inc. – Lost Tank 33 Federal #2 SWD
Unit Letter “M” (SW/SW), Section 33, Township 21S, Range 31E



Lost Tank 33 Federal #2 SWD – Release (Looking East)



Lost Tank 33 Federal #2 SWD – Release (Looking Northeast)

OXY USA, Inc. – Lost Tank 33 Federal #2 SWD
Unit Letter “M” (SW/SW), Section 33, Township 21S, Range 31E



Lost Tank 33 Federal #2 SWD – Release (Looking North-Northeast)



Lost Tank 33 Federal #2 SWD – Release (Looking Southeast)

OXY USA, Inc. – Lost Tank 33 Federal #2 SWD
Unit Letter “M” (SW/SW), Section 33, Township 21S, Range 31E



Lost Tank 33 Federal #2 SWD – Release (Looking South)



Lost Tank 33 Federal #2 SWD – Release (Looking Southeast)

OXY USA, Inc. – Lost Tank 33 Federal #2 SWD
Unit Letter “M” (SW/SW), Section 33, Township 21S, Range 31E



Lost Tank 33 Federal #2 SWD – Release (Looking East-Southeast)



Lost Tank 33 Federal #2 SWD – Release (Looking East)

OXY USA, Inc. – Lost Tank 33 Federal #2 SWD
Unit Letter “M” (SW/SW), Section 33, Township 21S, Range 31E



Lost Tank 33 Federal #2 SWD – Release (Looking Northeast)



Lost Tank 33 Federal #2 SWD – Release (Looking East)

OXY USA, Inc. – Lost Tank 33 Federal #2 SWD
Unit Letter “M” (SW/SW), Section 33, Township 21S, Range 31E



Lost Tank 33 Federal #2 SWD – Release (Looking South)



Lost Tank 33 Federal #2 SWD – Release (Looking East-Northeast)

OXY USA, Inc. – Lost Tank 33 Federal #2 SWD
Unit Letter “M” (SW/SW), Section 33, Township 21S, Range 31E



Lost Tank 33 Federal #2 SWD – Release (Looking Northeast)



Lost Tank 33 Federal #2 SWD – Release (Looking North-Northeast)

OXY USA, Inc. – Lost Tank 33 Federal #2 SWD
Unit Letter “M” (SW/SW), Section 33, Township 21S, Range 31E



Lost Tank 33 Federal #2 SWD – Release (Looking West-Northwest)



Lost Tank 33 Federal #2 SWD – Release (Looking East-Southeast)

OXY USA, Inc. – Lost Tank 33 Federal #2 SWD
Unit Letter “M” (SW/SW), Section 33, Township 21S, Range 31E



Lost Tank 33 Federal #2 SWD – Release (Looking Southeast)



Lost Tank 33 Federal #2 SWD – Release (Looking Southeast)

OXY USA, Inc. – Lost Tank 33 Federal #2 SWD
Unit Letter “M” (SW/SW), Section 33, Township 21S, Range 31E



Lost Tank 33 Federal #2 SWD – Release (Looking West)



Lost Tank 33 Federal #2 SWD – Release (West-Southwest)

OXY USA, Inc. – Lost Tank 33 Federal #2 SWD
Unit Letter “M” (SW/SW), Section 33, Township 21S, Range 31E



Lost Tank 33 Federal #2 SWD – Release (Looking Southwest)



Lost Tank 33 Federal #2 SWD – Release (Looking Northwest)

OXY USA, Inc. – Lost Tank 33 Federal #2 SWD
Unit Letter “M” (SW/SW), Section 33, Township 21S, Range 31E



Lost Tank 33 Federal #2 SWD – Release (Looking West-Northwest)



Lost Tank 33 Federal #2 SWD – Release (Looking West)

OXY USA, Inc. – Lost Tank 33 Federal #2 SWD
Unit Letter “M” (SW/SW), Section 33, Township 21S, Range 31E



Lost Tank 33 Federal #2 SWD – Release (Looking South-Southwest)



Lost Tank 33 Federal #2 SWD – Release (Looking South)

OXY USA, Inc. – Lost Tank 33 Federal #2 SWD
Unit Letter “M” (SW/SW), Section 33, Township 21S, Range 31E



Lost Tank 33 Federal #2 SWD – Release (Looking Southwest)



Lost Tank 33 Federal #2 SWD – Release (Looking South-Southeast)

OXY USA, Inc. – Lost Tank 33 Federal #2 SWD
Unit Letter “M” (SW/SW), Section 33, Township 21S, Range 31E



Lost Tank 33 Federal #2 SWD – Release (Looking South-Southeast)



Lost Tank 33 Federal #2 SWD – Release (Looking West)

OXY USA, Inc. – Lost Tank 33 Federal #2 SWD
Unit Letter “M” (SW/SW), Section 33, Township 21S, Range 31E



Lost Tank 33 Federal #2 SWD – Release (Looking West-Southwest)



Lost Tank 33 Federal #2 SWD – Release (Looking South)

OXY USA, Inc. – Lost Tank 33 Federal #2 SWD
Unit Letter “M” (SW/SW), Section 33, Township 21S, Range 31E



Lost Tank 33 Federal #2 SWD – Release (Looking East-Northeast)



Lost Tank 33 Federal #2 SWD – Release (Looking East-Southeast)

OXY USA, Inc. – Lost Tank 33 Federal #2 SWD
Unit Letter “M” (SW/SW), Section 33, Township 21S, Range 31E



Lost Tank 33 Federal #2 SWD – Release (Looking West)



Lost Tank 33 Federal #2 SWD – Release (Looking North-Northwest)

Appendix D

Laboratory Analytical Reports



Certificate of Analysis Summary 568067

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Lost Tank 33 FED 2 SWD



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs

Date Received in Lab: Fri Nov-10-17 04:25 pm

Report Date: 21-NOV-17

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	568067-001	568067-002	568067-003	568067-004	568067-005	568067-006
	Field Id:	SP-1 @ 1'	SP-2 @ 1'	SP-2 @ 4'	SP-2 @ 7'	SP-3 @ 1'	SP-3 @ 4'
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Nov-06-17 11:21	Nov-06-17 11:38	Nov-06-17 11:47	Nov-06-17 12:02	Nov-06-17 12:47	Nov-06-17 13:01
BTEX by EPA 8021B	Extracted:	Nov-17-17 08:30	Nov-17-17 08:30	Nov-17-17 08:30	Nov-17-17 08:30	Nov-17-17 08:30	Nov-17-17 08:30
	Analyzed:	Nov-17-17 13:58	Nov-17-17 14:17	Nov-17-17 15:50	Nov-17-17 16:09	Nov-17-17 17:06	Nov-17-17 17:54
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00351 0.00351	<0.00332 0.00332	<0.00330 0.00330	<0.00348 0.00348	<0.00344 0.00344	<0.00341 0.00341
Toluene		<0.00351 0.00351	<0.00332 0.00332	<0.00330 0.00330	<0.00348 0.00348	<0.00344 0.00344	<0.00341 0.00341
Ethylbenzene		<0.00351 0.00351	<0.00332 0.00332	<0.00330 0.00330	<0.00348 0.00348	<0.00344 0.00344	<0.00341 0.00341
m,p-Xylenes		<0.00702 0.00702	<0.00664 0.00664	<0.00660 0.00660	<0.00697 0.00697	<0.00687 0.00687	<0.00683 0.00683
o-Xylene		<0.00351 0.00351	<0.00332 0.00332	<0.00330 0.00330	<0.00348 0.00348	<0.00344 0.00344	<0.00341 0.00341
Total Xylenes		<0.00351 0.00351	<0.00332 0.00332	<0.00330 0.00330	<0.00348 0.00348	<0.00344 0.00344	<0.00341 0.00341
Total BTEX		<0.00351 0.00351	<0.00332 0.00332	<0.00330 0.00330	<0.00348 0.00348	<0.00344 0.00344	<0.00341 0.00341
Chloride by EPA 300	Extracted:	Nov-13-17 09:00	Nov-13-17 09:00	Nov-13-17 09:00	Nov-13-17 09:00	Nov-13-17 09:00	Nov-13-17 09:00
	Analyzed:	Nov-13-17 10:58	Nov-13-17 11:17	Nov-13-17 11:23	Nov-13-17 11:29	Nov-13-17 11:36	Nov-13-17 11:42
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		324 4.99	1020 5.00	1100 4.96	157 4.96	420 4.99	761 4.94
TPH By SW8015 Mod	Extracted:	Nov-11-17 13:00	Nov-11-17 13:00	Nov-11-17 13:00	Nov-11-17 13:00	Nov-11-17 13:00	Nov-11-17 13:00
	Analyzed:	Nov-11-17 16:39	Nov-11-17 17:40	Nov-11-17 18:01	Nov-11-17 18:21	Nov-11-17 18:42	Nov-11-17 19:02
	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	25.8 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	25.8 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 568067

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Lost Tank 33 FED 2 SWD



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs

Date Received in Lab: Fri Nov-10-17 04:25 pm

Report Date: 21-NOV-17

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	568067-007	568067-008	568067-009	568067-010	568067-011	568067-012
	Field Id:	SP-3 @ 8'	SP-3 @ 14'	SP-4 @ 1'	SP-4 @ 6'	SP-5 @ 1'	SP- 5 @ 4'
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Nov-06-17 13:16	Nov-06-17 13:35	Nov-06-17 13:55	Nov-06-17 14:10	Nov-06-17 14:25	Nov-06-17 14:32
TPH By SW8015 Mod	Extracted:	Nov-11-17 13:00	Nov-11-17 13:00	Nov-11-17 13:00	Nov-11-17 13:00	Nov-11-17 13:00	Nov-11-17 13:00
	Analyzed:	Nov-11-17 19:23	Nov-11-17 19:44	Nov-11-17 20:06	Nov-11-17 20:27	Nov-11-17 21:30	Nov-11-17 21:49
	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	<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9
Diesel Range Organics (DRO)		<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9
Total TPH		<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 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



Certificate of Analysis Summary 568067

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Lost Tank 33 FED 2 SWD



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs

Date Received in Lab: Fri Nov-10-17 04:25 pm

Report Date: 21-NOV-17

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	568067-007	568067-008	568067-009	568067-010	568067-011	568067-012
	Field Id:	SP-3 @ 8'	SP-3 @ 14'	SP-4 @ 1'	SP-4 @ 6'	SP-5 @ 1'	SP-5 @ 4'
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Nov-06-17 13:16	Nov-06-17 13:35	Nov-06-17 13:55	Nov-06-17 14:10	Nov-06-17 14:25	Nov-06-17 14:32
BTEX by EPA 8021B	Extracted:	Nov-17-17 08:30	Nov-17-17 08:30	Nov-17-17 08:30	Nov-17-17 08:30	Nov-17-17 08:30	Nov-17-17 08:30
	Analyzed:	Nov-17-17 18:13	Nov-17-17 18:33	Nov-17-17 18:52	Nov-17-17 19:09	Nov-17-17 19:28	Nov-17-17 19:47
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00341 0.00341	<0.00336 0.00336	<0.00339 0.00339	<0.00341 0.00341	<0.00334 0.00334	<0.00331 0.00331
Toluene		<0.00341 0.00341	<0.00336 0.00336	<0.00339 0.00339	<0.00341 0.00341	<0.00334 0.00334	<0.00331 0.00331
Ethylbenzene		<0.00341 0.00341	<0.00336 0.00336	<0.00339 0.00339	<0.00341 0.00341	<0.00334 0.00334	<0.00331 0.00331
m,p-Xylenes		<0.00683 0.00683	<0.00671 0.00671	<0.00678 0.00678	<0.00683 0.00683	<0.00669 0.00669	<0.00662 0.00662
o-Xylene		<0.00341 0.00341	<0.00336 0.00336	<0.00339 0.00339	<0.00341 0.00341	<0.00334 0.00334	<0.00331 0.00331
Total Xylenes		<0.00341 0.00341	<0.00336 0.00336	<0.00339 0.00339	<0.00341 0.00341	<0.00334 0.00334	<0.00331 0.00331
Total BTEX		<0.00341 0.00341	<0.00336 0.00336	<0.00339 0.00339	<0.00341 0.00341	<0.00334 0.00334	<0.00331 0.00331
Chloride by EPA 300	Extracted:	Nov-13-17 09:00	Nov-13-17 09:00	Nov-13-17 09:00	Nov-13-17 09:00	Nov-13-17 09:00	Nov-13-17 09:00
	Analyzed:	Nov-13-17 12:08	Nov-13-17 11:49	Nov-13-17 12:14	Nov-13-17 12:33	Nov-13-17 12:40	Nov-13-17 12:46
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		1850 24.7	783 4.99	341 4.90	53.7 5.00	1040 4.92	294 4.97

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

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

Holly Taylor
Project Manager



Certificate of Analysis Summary 568067

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Lost Tank 33 FED 2 SWD



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs

Date Received in Lab: Fri Nov-10-17 04:25 pm

Report Date: 21-NOV-17

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	568067-013	568067-014	568067-015	568067-016	568067-017	568067-018
	<i>Field Id:</i>	FP-1 @ 6"	FP-2 @ 6"	FP-3 @ 1'	FP-3 @ 4'	FP-3 @ 6'	FP-3 @ 14'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Nov-06-17 14:54	Nov-06-17 14:57	Nov-06-17 15:14	Nov-06-17 15:24	Nov-06-17 15:28	Nov-06-17 15:52
BTEX by EPA 8021B	<i>Extracted:</i>	Nov-17-17 08:30		Nov-17-17 17:00	Nov-17-17 15:30	Nov-17-17 15:30	Nov-17-17 15:30
	<i>Analyzed:</i>	Nov-17-17 20:06		Nov-19-17 17:47	Nov-17-17 23:13	Nov-17-17 23:33	Nov-17-17 23:52
	<i>Units/RL:</i>	mg/kg RL		mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00337 0.00337		<0.00339 0.00339	<0.00336 0.00336	<0.00338 0.00338	<0.00331 0.00331
Toluene		<0.00337 0.00337		<0.00339 0.00339	<0.00336 0.00336	<0.00338 0.00338	<0.00331 0.00331
Ethylbenzene		<0.00337 0.00337		<0.00339 0.00339	<0.00336 0.00336	<0.00338 0.00338	<0.00331 0.00331
m,p-Xylenes		<0.00673 0.00673		<0.00678 0.00678	<0.00671 0.00671	<0.00676 0.00676	<0.00662 0.00662
o-Xylene		<0.00337 0.00337		<0.00339 0.00339	<0.00336 0.00336	<0.00338 0.00338	<0.00331 0.00331
Total Xylenes		<0.00337 0.00337		<0.00339 0.00339	<0.00336 0.00336	<0.00338 0.00338	<0.00331 0.00331
Total BTEX		<0.00337 0.00337		<0.00339 0.00339	<0.00336 0.00336	<0.00338 0.00338	<0.00331 0.00331
Chloride by EPA 300	<i>Extracted:</i>	Nov-13-17 09:00	Nov-13-17 09:00	Nov-13-17 09:00	Nov-13-17 09:00	Nov-13-17 12:00	Nov-13-17 12:00
	<i>Analyzed:</i>	Nov-13-17 12:52	Nov-13-17 12:59	Nov-13-17 13:05	Nov-13-17 13:11	Nov-13-17 14:09	Nov-13-17 14:15
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		17600 245	16700 249	10300 99.0	2340 24.7	14900 98.6	15100 99.6
TPH By SW8015 Mod	<i>Extracted:</i>	Nov-11-17 13:00	Nov-11-17 13:00	Nov-11-17 13:00	Nov-11-17 13:00	Nov-11-17 13:00	Nov-11-17 13:00
	<i>Analyzed:</i>	Nov-11-17 22:09	Nov-12-17 09:56	Nov-11-17 22:48	Nov-11-17 23:08	Nov-11-17 23:28	Nov-11-17 23:48
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	388 74.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Diesel Range Organics (DRO)		<15.0 15.0	6020 74.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	34.5 15.0
Oil Range Hydrocarbons (ORO)		<15.0 15.0	930 74.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Total TPH		<15.0 15.0	7340 74.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	34.5 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 568067

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Lost Tank 33 FED 2 SWD



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs

Date Received in Lab: Fri Nov-10-17 04:25 pm

Report Date: 21-NOV-17

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	568067-019	568067-020	568067-021	568067-022	568067-023	568067-024
	Field Id:	FP-4 @ 1'	FP-4 @ 4'	FP-4 @ 8'	FP-5 @ 1'	FP-5 @ 4'	FP-5 @ 14'
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Nov-07-17 10:57	Nov-07-17 11:05	Nov-07-17 11:17	Nov-07-17 11:36	Nov-07-17 11:47	Nov-07-17 12:21
BTEX by EPA 8021B	Extracted:	Nov-17-17 15:30	Nov-17-17 15:30	Nov-17-17 15:30	Nov-17-17 15:30	Nov-17-17 15:30	Nov-17-17 15:30
	Analyzed:	Nov-18-17 00:10	Nov-18-17 00:29	Nov-18-17 00:48	Nov-18-17 01:07	Nov-18-17 01:26	Nov-18-17 01:46
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00332 0.00332	<0.00339 0.00339	<0.00346 0.00346	<0.00348 0.00348	<0.00361 0.00361	<0.00328 0.00328
Toluene		<0.00332 0.00332	<0.00339 0.00339	<0.00346 0.00346	<0.00348 0.00348	<0.00361 0.00361	<0.00328 0.00328
Ethylbenzene		<0.00332 0.00332	<0.00339 0.00339	<0.00346 0.00346	<0.00348 0.00348	<0.00361 0.00361	<0.00328 0.00328
m,p-Xylenes		<0.00664 0.00664	<0.00678 0.00678	<0.00692 0.00692	<0.00697 0.00697	<0.00722 0.00722	<0.00656 0.00656
o-Xylene		<0.00332 0.00332	<0.00339 0.00339	<0.00346 0.00346	<0.00348 0.00348	<0.00361 0.00361	<0.00328 0.00328
Total Xylenes		<0.00332 0.00332	<0.00339 0.00339	<0.00346 0.00346	<0.00348 0.00348	<0.00361 0.00361	<0.00328 0.00328
Total BTEX		<0.00332 0.00332	<0.00339 0.00339	<0.00346 0.00346	<0.00348 0.00348	<0.00361 0.00361	<0.00328 0.00328
Chloride by EPA 300	Extracted:	Nov-13-17 12:00	Nov-13-17 12:00	Nov-13-17 12:00	Nov-13-17 12:00	Nov-13-17 12:00	Nov-13-17 12:00
	Analyzed:	Nov-13-17 14:22	Nov-13-17 14:28	Nov-13-17 13:50	Nov-13-17 14:47	Nov-13-17 14:54	Nov-13-17 15:00
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		17400 250	8830 49.7	849 4.99	7350 50.0	20300 248	4850 49.3
TPH By SW8015 Mod	Extracted:	Nov-11-17 13:00	Nov-11-17 13:00	Nov-11-17 15:00	Nov-11-17 15:00	Nov-11-17 15:00	Nov-11-17 15:00
	Analyzed:	Nov-12-17 00:07	Nov-12-17 00:27	Nov-12-17 02:10	Nov-12-17 03:09	Nov-12-17 03:30	Nov-12-17 03:51
	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	<14.9 14.9	<15.0 15.0	<15.0 15.0
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0
Total TPH		<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0

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

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

Holly Taylor
Project Manager



Certificate of Analysis Summary 568067

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Lost Tank 33 FED 2 SWD



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs

Date Received in Lab: Fri Nov-10-17 04:25 pm

Report Date: 21-NOV-17

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	568067-025	568067-026	568067-027	568067-028	568067-029	568067-030
	<i>Field Id:</i>	FP-5 @ 18'	FP-6 @ 1'	FP-6 @ 10'	FP-6 @ 14'	SP-6 @ 1'	SP-6 @ 2'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Nov-07-17 12:35	Nov-07-17 12:48	Nov-07-17 13:20	Nov-07-17 13:35	Nov-07-17 13:50	Nov-07-17 13:55
BTEX by EPA 8021B	<i>Extracted:</i>	Nov-17-17 15:30	Nov-17-17 15:30	Nov-17-17 17:00	Nov-17-17 15:30	Nov-17-17 15:30	Nov-17-17 15:30
	<i>Analyzed:</i>	Nov-18-17 02:04	Nov-18-17 03:01	Nov-19-17 18:06	Nov-18-17 03:39	Nov-18-17 03:58	Nov-18-17 04:17
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00336 0.00336	<0.00339 0.00339	<0.00358 0.00358	<0.00332 0.00332	<0.00332 0.00332	<0.00336 0.00336
Toluene		<0.00336 0.00336	<0.00339 0.00339	<0.00358 0.00358	<0.00332 0.00332	<0.00332 0.00332	<0.00336 0.00336
Ethylbenzene		<0.00336 0.00336	<0.00339 0.00339	<0.00358 0.00358	<0.00332 0.00332	<0.00332 0.00332	<0.00336 0.00336
m,p-Xylenes		<0.00671 0.00671	<0.00678 0.00678	<0.00717 0.00717	<0.00664 0.00664	<0.00664 0.00664	<0.00671 0.00671
o-Xylene		<0.00336 0.00336	<0.00339 0.00339	<0.00358 0.00358	<0.00332 0.00332	<0.00332 0.00332	<0.00336 0.00336
Total Xylenes		<0.00336 0.00336	<0.00339 0.00339	<0.00358 0.00358	<0.00332 0.00332	<0.00332 0.00332	<0.00336 0.00336
Total BTEX		<0.00336 0.00336	<0.00339 0.00339	<0.00358 0.00358	<0.00332 0.00332	<0.00332 0.00332	<0.00336 0.00336
Chloride by EPA 300	<i>Extracted:</i>	Nov-13-17 12:00	Nov-13-17 12:00	Nov-13-17 12:00	Nov-13-17 12:00	Nov-13-17 12:00	Nov-13-17 12:00
	<i>Analyzed:</i>	Nov-13-17 15:06	Nov-13-17 15:13	Nov-13-17 15:38	Nov-13-17 15:45	Nov-13-17 15:19	Nov-13-17 16:04
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		11800 49.1	6260 49.8	14200 98.0	12700 99.4	22.3 4.99	292 4.91
TPH By SW8015 Mod	<i>Extracted:</i>	Nov-11-17 15:00	Nov-11-17 15:00	Nov-11-17 15:00	Nov-11-17 15:00	Nov-11-17 15:00	Nov-11-17 15:00
	<i>Analyzed:</i>	Nov-12-17 04:12	Nov-12-17 04:31	Nov-12-17 04:51	Nov-12-17 05:12	Nov-12-17 05:34	Nov-12-17 05:53
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0
Diesel Range Organics (DRO)		29.2 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0
Total TPH		29.2 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9	<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 568067

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Lost Tank 33 FED 2 SWD



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs

Date Received in Lab: Fri Nov-10-17 04:25 pm

Report Date: 21-NOV-17

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	568067-031	568067-032	568067-033	568067-034	568067-035	568067-036
	Field Id:	SP-7 @ 2'	SP-7 @ 10'	SP-7 @ 12'	SP-7 @ 14'	FP-A @ 1'	FP-A @ 4'
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Nov-07-17 14:14	Nov-07-17 14:44	Nov-07-17 14:50	Nov-07-17 15:01	Nov-07-17 14:11	Nov-07-17 14:44
BTEX by EPA 8021B	Extracted:	Nov-17-17 15:30	Nov-17-17 15:30	Nov-17-17 15:30	Nov-17-17 15:30	Nov-17-17 15:30	Nov-17-17 17:00
	Analyzed:	Nov-18-17 04:36	Nov-18-17 04:53	Nov-18-17 05:12	Nov-18-17 05:31	Nov-18-17 05:50	Nov-19-17 11:29
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00327 0.00327	<0.00346 0.00346	<0.00351 0.00351	<0.00360 0.00360	<0.00341 0.00341	<0.00336 0.00336
Toluene		<0.00327 0.00327	<0.00346 0.00346	<0.00351 0.00351	<0.00360 0.00360	<0.00341 0.00341	<0.00336 0.00336
Ethylbenzene		<0.00327 0.00327	<0.00346 0.00346	<0.00351 0.00351	<0.00360 0.00360	<0.00341 0.00341	<0.00336 0.00336
m,p-Xylenes		<0.00654 0.00654	<0.00692 0.00692	<0.00702 0.00702	<0.00719 0.00719	<0.00683 0.00683	<0.00671 0.00671
o-Xylene		<0.00327 0.00327	<0.00346 0.00346	<0.00351 0.00351	<0.00360 0.00360	<0.00341 0.00341	<0.00336 0.00336
Total Xylenes		<0.00327 0.00327	<0.00346 0.00346	<0.00351 0.00351	<0.00360 0.00360	<0.00341 0.00341	<0.00336 0.00336
Total BTEX		<0.00327 0.00327	<0.00346 0.00346	<0.00351 0.00351	<0.00360 0.00360	<0.00341 0.00341	<0.00336 0.00336
Chloride by EPA 300	Extracted:	Nov-13-17 12:00	Nov-13-17 12:00	Nov-13-17 12:00	Nov-13-17 12:00	Nov-13-17 12:00	Nov-13-17 12:00
	Analyzed:	Nov-13-17 16:10	Nov-13-17 16:16	Nov-13-17 16:23	Nov-13-17 16:29	Nov-13-17 16:36	Nov-13-17 16:42
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		3630 24.9	14500 99.8	164 4.91	26.4 4.92	3430 24.6	44.9 4.98
TPH By SW8015 Mod	Extracted:	Nov-11-17 15:00	Nov-11-17 15:00	Nov-11-17 15:00	Nov-11-17 15:00	Nov-11-17 15:00	Nov-11-17 15:00
	Analyzed:	Nov-12-17 06:54	Nov-12-17 07:16	Nov-12-17 07:36	Nov-12-17 07:55	Nov-12-17 08:17	Nov-12-17 08:37
	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	<14.9 14.9	<15.0 15.0	<15.0 15.0
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0
Total TPH		<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0	<15.0 15.0

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

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

Holly Taylor
Project Manager

Analytical Report 568067
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Lost Tank 33 FED 2 SWD

21-NOV-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)



21-NOV-17

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

Reference: XENCO Report No(s): **568067**
Lost Tank 33 FED 2 SWD
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) 568067. 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. 568067 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 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1 @ 1'	S	11-06-17 11:21		568067-001
SP-2 @ 1'	S	11-06-17 11:38		568067-002
SP-2 @ 4'	S	11-06-17 11:47		568067-003
SP-2 @ 7'	S	11-06-17 12:02		568067-004
SP-3 @ 1'	S	11-06-17 12:47		568067-005
SP-3 @ 4'	S	11-06-17 13:01		568067-006
SP-3 @ 8'	S	11-06-17 13:16		568067-007
SP-3 @ 14'	S	11-06-17 13:35		568067-008
SP-4 @ 1'	S	11-06-17 13:55		568067-009
SP-4 @ 6'	S	11-06-17 14:10		568067-010
SP-5 @ 1'	S	11-06-17 14:25		568067-011
SP- 5 @ 4'	S	11-06-17 14:32		568067-012
FP-1 @ 6"	S	11-06-17 14:54		568067-013
FP-2 @ 6"	S	11-06-17 14:57		568067-014
FP-3 @ 1'	S	11-06-17 15:14		568067-015
FP-3 @ 4'	S	11-06-17 15:24		568067-016
FP-3 @ 6'	S	11-06-17 15:28		568067-017
FP-3 @ 14'	S	11-06-17 15:52		568067-018
FP-4 @ 1'	S	11-07-17 10:57		568067-019
FP-4 @ 4'	S	11-07-17 11:05		568067-020
FP-4 @ 8'	S	11-07-17 11:17		568067-021
FP-5 @ 1'	S	11-07-17 11:36		568067-022
FP-5 @ 4'	S	11-07-17 11:47		568067-023
FP-5 @ 14'	S	11-07-17 12:21		568067-024
FP-5 @ 18'	S	11-07-17 12:35		568067-025
FP-6 @ 1'	S	11-07-17 12:48		568067-026
FP-6 @ 10'	S	11-07-17 13:20		568067-027
FP-6 @ 14'	S	11-07-17 13:35		568067-028
SP-6 @ 1'	S	11-07-17 13:50		568067-029
SP-6 @ 2'	S	11-07-17 13:55		568067-030
SP-7 @ 2'	S	11-07-17 14:14		568067-031
SP-7 @ 10'	S	11-07-17 14:44		568067-032
SP-7 @ 12'	S	11-07-17 14:50		568067-033
SP-7 @ 14'	S	11-07-17 15:01		568067-034
FP-A @ 1'	S	11-07-17 14:11		568067-035
FP-A @ 4'	S	11-07-17 14:44		568067-036



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Lost Tank 33 FED 2 SWD

Project ID:
Work Order Number(s): 568067

Report Date: 21-NOV-17
Date Received: 11/10/2017

Sample receipt non conformances and comments:

- 1.001 Corrected Field Code on sample 012 per Ben Arguijo.
 - 1.002 Corrected TPH result for sample 006.
-

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3033135 Inorganic Anions by EPA 300

Lab Sample ID 568067-008 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: 568067-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015, -016.

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

Batch: LBA-3033246 Chloride by EPA 300

Lab Sample ID 568067-029 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: 568067-017, -018, -019, -020, -021, -022, -023, -024, -025, -026, -027, -028, -029, -030, -031, -032, -033, -034, -035, -036.

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

Batch: LBA-3033791 BTEX by EPA 8021B

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

Batch: LBA-3033792 BTEX by EPA 8021B

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

Lab Sample ID 568067-016 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Ethylbenzene, Toluene, m,p-Xylenes recovered below QC limits in the Matrix Spike. 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: 568067-016, -017, -018, -019, -020, -021, -022, -023, -024, -025, -026, -028, -029, -030, -031, -032, -033, -034, -035.

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



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Lost Tank 33 FED 2 SWD

Project ID:

Work Order Number(s): 568067

Report Date: 21-NOV-17

Date Received: 11/10/2017

Batch: LBA-3033798 BTEX by EPA 8021B

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



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-1 @ 1'**
Lab Sample Id: 568067-001

Matrix: Soil
Date Collected: 11.06.17 11.21

Date Received: 11.10.17 16.25

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3033135

Prep Method: E300P

% Moisture:

Date Prep: 11.13.17 09.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	324	4.99	mg/kg	11.13.17 10.58		1

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3033117

Prep Method: TX1005P

% Moisture:

Date Prep: 11.11.17 13.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.17 16.39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.17 16.39	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.11.17 16.39	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.17 16.39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	11.11.17 16.39	
o-Terphenyl	84-15-1	91	%	70-135	11.11.17 16.39	



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-1 @ 1'**
Lab Sample Id: 568067-001

Matrix: Soil
Date Collected: 11.06.17 11.21

Date Received: 11.10.17 16.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 08.30

Basis: Wet Weight

Seq Number: 3033791

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00351	0.00351	mg/kg	11.17.17 13.58	U	1
Toluene	108-88-3	<0.00351	0.00351	mg/kg	11.17.17 13.58	U	1
Ethylbenzene	100-41-4	<0.00351	0.00351	mg/kg	11.17.17 13.58	U	1
m,p-Xylenes	179601-23-1	<0.00702	0.00702	mg/kg	11.17.17 13.58	U	1
o-Xylene	95-47-6	<0.00351	0.00351	mg/kg	11.17.17 13.58	U	1
Total Xylenes	1330-20-7	<0.00351	0.00351	mg/kg	11.17.17 13.58	U	1
Total BTEX		<0.00351	0.00351	mg/kg	11.17.17 13.58	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	105	%	80-120	11.17.17 13.58		
4-Bromofluorobenzene	460-00-4	90	%	80-120	11.17.17 13.58		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-2 @ 1'**
Lab Sample Id: 568067-002

Matrix: Soil
Date Collected: 11.06.17 11.38

Date Received: 11.10.17 16.25

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3033135

Prep Method: E300P

% Moisture:

Date Prep: 11.13.17 09.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1020	5.00	mg/kg	11.13.17 11.17		1

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3033117

Prep Method: TX1005P

% Moisture:

Date Prep: 11.11.17 13.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.17 17.40	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.17 17.40	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.11.17 17.40	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.17 17.40	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	11.11.17 17.40	
o-Terphenyl	84-15-1	92	%	70-135	11.11.17 17.40	



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-2 @ 1'**
Lab Sample Id: 568067-002

Matrix: Soil
Date Collected: 11.06.17 11.38

Date Received: 11.10.17 16.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 08.30

Basis: Wet Weight

Seq Number: 3033791

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00332	0.00332	mg/kg	11.17.17 14.17	U	1
Toluene	108-88-3	<0.00332	0.00332	mg/kg	11.17.17 14.17	U	1
Ethylbenzene	100-41-4	<0.00332	0.00332	mg/kg	11.17.17 14.17	U	1
m,p-Xylenes	179601-23-1	<0.00664	0.00664	mg/kg	11.17.17 14.17	U	1
o-Xylene	95-47-6	<0.00332	0.00332	mg/kg	11.17.17 14.17	U	1
Total Xylenes	1330-20-7	<0.00332	0.00332	mg/kg	11.17.17 14.17	U	1
Total BTEX		<0.00332	0.00332	mg/kg	11.17.17 14.17	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	84	%	80-120	11.17.17 14.17		
1,4-Difluorobenzene	540-36-3	99	%	80-120	11.17.17 14.17		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: SP-2 @ 4'

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-003

Date Collected: 11.06.17 11.47

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 09.00

Basis: Wet Weight

Seq Number: 3033135

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1100	4.96	mg/kg	11.13.17 11.23		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 13.00

Basis: Wet Weight

Seq Number: 3033117

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.17 18.01	U	1
Diesel Range Organics (DRO)	C10C28DRO	25.8	15.0	mg/kg	11.11.17 18.01		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.11.17 18.01	U	1
Total TPH	PHC635	25.8	15.0	mg/kg	11.11.17 18.01		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-135	11.11.17 18.01	
o-Terphenyl	84-15-1	82	%	70-135	11.11.17 18.01	



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: SP-2 @ 4'

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-003

Date Collected: 11.06.17 11.47

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 08.30

Basis: Wet Weight

Seq Number: 3033791

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00330	0.00330	mg/kg	11.17.17 15.50	U	1
Toluene	108-88-3	<0.00330	0.00330	mg/kg	11.17.17 15.50	U	1
Ethylbenzene	100-41-4	<0.00330	0.00330	mg/kg	11.17.17 15.50	U	1
m,p-Xylenes	179601-23-1	<0.00660	0.00660	mg/kg	11.17.17 15.50	U	1
o-Xylene	95-47-6	<0.00330	0.00330	mg/kg	11.17.17 15.50	U	1
Total Xylenes	1330-20-7	<0.00330	0.00330	mg/kg	11.17.17 15.50	U	1
Total BTEX		<0.00330	0.00330	mg/kg	11.17.17 15.50	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	92	%	80-120	11.17.17 15.50		
4-Bromofluorobenzene	460-00-4	94	%	80-120	11.17.17 15.50		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: SP-2 @ 7'

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-004

Date Collected: 11.06.17 12.02

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 09.00

Basis: Wet Weight

Seq Number: 3033135

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	157	4.96	mg/kg	11.13.17 11.29		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 13.00

Basis: Wet Weight

Seq Number: 3033117

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.17 18.21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.17 18.21	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.11.17 18.21	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.17 18.21	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	76	%	70-135	11.11.17 18.21	
o-Terphenyl	84-15-1	74	%	70-135	11.11.17 18.21	



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: SP-2 @ 7'

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-004

Date Collected: 11.06.17 12.02

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 08.30

Basis: Wet Weight

Seq Number: 3033791

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00348	0.00348	mg/kg	11.17.17 16.09	U	1
Toluene	108-88-3	<0.00348	0.00348	mg/kg	11.17.17 16.09	U	1
Ethylbenzene	100-41-4	<0.00348	0.00348	mg/kg	11.17.17 16.09	U	1
m,p-Xylenes	179601-23-1	<0.00697	0.00697	mg/kg	11.17.17 16.09	U	1
o-Xylene	95-47-6	<0.00348	0.00348	mg/kg	11.17.17 16.09	U	1
Total Xylenes	1330-20-7	<0.00348	0.00348	mg/kg	11.17.17 16.09	U	1
Total BTEX		<0.00348	0.00348	mg/kg	11.17.17 16.09	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	100	%	80-120	11.17.17 16.09		
4-Bromofluorobenzene	460-00-4	94	%	80-120	11.17.17 16.09		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-3 @ 1'**
Lab Sample Id: 568067-005

Matrix: Soil
Date Collected: 11.06.17 12.47

Date Received: 11.10.17 16.25

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3033135

Prep Method: E300P

% Moisture:

Date Prep: 11.13.17 09.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	420	4.99	mg/kg	11.13.17 11.36		1

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3033117

Prep Method: TX1005P

% Moisture:

Date Prep: 11.11.17 13.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.17 18.42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.17 18.42	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.11.17 18.42	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.17 18.42	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	86	%	70-135	11.11.17 18.42		
o-Terphenyl	84-15-1	86	%	70-135	11.11.17 18.42		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-3 @ 1'**
Lab Sample Id: 568067-005

Matrix: Soil
Date Collected: 11.06.17 12.47

Date Received: 11.10.17 16.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 08.30

Basis: Wet Weight

Seq Number: 3033791

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00344	0.00344	mg/kg	11.17.17 17.06	U	1
Toluene	108-88-3	<0.00344	0.00344	mg/kg	11.17.17 17.06	U	1
Ethylbenzene	100-41-4	<0.00344	0.00344	mg/kg	11.17.17 17.06	U	1
m,p-Xylenes	179601-23-1	<0.00687	0.00687	mg/kg	11.17.17 17.06	U	1
o-Xylene	95-47-6	<0.00344	0.00344	mg/kg	11.17.17 17.06	U	1
Total Xylenes	1330-20-7	<0.00344	0.00344	mg/kg	11.17.17 17.06	U	1
Total BTEX		<0.00344	0.00344	mg/kg	11.17.17 17.06	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	83	%	80-120	11.17.17 17.06		
1,4-Difluorobenzene	540-36-3	85	%	80-120	11.17.17 17.06		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-3 @ 4'**
Lab Sample Id: 568067-006

Matrix: Soil
Date Collected: 11.06.17 13.01

Date Received: 11.10.17 16.25

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3033135

Prep Method: E300P

% Moisture:

Date Prep: 11.13.17 09.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	761	4.94	mg/kg	11.13.17 11.42		1

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3033117

Prep Method: TX1005P

% Moisture:

Date Prep: 11.11.17 13.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.17 19.02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.17 19.02	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.11.17 19.02	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.17 19.02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	74	%	70-135	11.11.17 19.02	
o-Terphenyl	84-15-1	74	%	70-135	11.11.17 19.02	



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

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

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-006

Date Collected: 11.06.17 13.01

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 08.30

Basis: Wet Weight

Seq Number: 3033791

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00341	0.00341	mg/kg	11.17.17 17.54	U	1
Toluene	108-88-3	<0.00341	0.00341	mg/kg	11.17.17 17.54	U	1
Ethylbenzene	100-41-4	<0.00341	0.00341	mg/kg	11.17.17 17.54	U	1
m,p-Xylenes	179601-23-1	<0.00683	0.00683	mg/kg	11.17.17 17.54	U	1
o-Xylene	95-47-6	<0.00341	0.00341	mg/kg	11.17.17 17.54	U	1
Total Xylenes	1330-20-7	<0.00341	0.00341	mg/kg	11.17.17 17.54	U	1
Total BTEX		<0.00341	0.00341	mg/kg	11.17.17 17.54	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	93	%	80-120	11.17.17 17.54		
1,4-Difluorobenzene	540-36-3	107	%	80-120	11.17.17 17.54		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-3 @ 8'**
Lab Sample Id: 568067-007

Matrix: Soil
Date Collected: 11.06.17 13.16

Date Received: 11.10.17 16.25

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3033135

Prep Method: E300P

% Moisture:

Date Prep: 11.13.17 09.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1850	24.7	mg/kg	11.13.17 12.08		5

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3033117

Prep Method: TX1005P

% Moisture:

Date Prep: 11.11.17 13.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.17 19.23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.17 19.23	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.11.17 19.23	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.17 19.23	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	93	%	70-135	11.11.17 19.23		
o-Terphenyl	84-15-1	93	%	70-135	11.11.17 19.23		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-3 @ 8'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-007

Date Collected: 11.06.17 13.16

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 08.30

Basis: Wet Weight

Seq Number: 3033791

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00341	0.00341	mg/kg	11.17.17 18.13	U	1
Toluene	108-88-3	<0.00341	0.00341	mg/kg	11.17.17 18.13	U	1
Ethylbenzene	100-41-4	<0.00341	0.00341	mg/kg	11.17.17 18.13	U	1
m,p-Xylenes	179601-23-1	<0.00683	0.00683	mg/kg	11.17.17 18.13	U	1
o-Xylene	95-47-6	<0.00341	0.00341	mg/kg	11.17.17 18.13	U	1
Total Xylenes	1330-20-7	<0.00341	0.00341	mg/kg	11.17.17 18.13	U	1
Total BTEX		<0.00341	0.00341	mg/kg	11.17.17 18.13	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	105	%	80-120	11.17.17 18.13		
4-Bromofluorobenzene	460-00-4	92	%	80-120	11.17.17 18.13		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: SP-3 @ 14'

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-008

Date Collected: 11.06.17 13.35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 09.00

Basis: Wet Weight

Seq Number: 3033135

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	783	4.99	mg/kg	11.13.17 11.49		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 13.00

Basis: Wet Weight

Seq Number: 3033117

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	11.11.17 19.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	11.11.17 19.44	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	11.11.17 19.44	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	11.11.17 19.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	11.11.17 19.44	
o-Terphenyl	84-15-1	85	%	70-135	11.11.17 19.44	



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-3 @ 14'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-008

Date Collected: 11.06.17 13.35

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 08.30

Basis: Wet Weight

Seq Number: 3033791

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00336	0.00336	mg/kg	11.17.17 18.33	U	1
Toluene	108-88-3	<0.00336	0.00336	mg/kg	11.17.17 18.33	U	1
Ethylbenzene	100-41-4	<0.00336	0.00336	mg/kg	11.17.17 18.33	U	1
m,p-Xylenes	179601-23-1	<0.00671	0.00671	mg/kg	11.17.17 18.33	U	1
o-Xylene	95-47-6	<0.00336	0.00336	mg/kg	11.17.17 18.33	U	1
Total Xylenes	1330-20-7	<0.00336	0.00336	mg/kg	11.17.17 18.33	U	1
Total BTEX		<0.00336	0.00336	mg/kg	11.17.17 18.33	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	102	%	80-120	11.17.17 18.33		
4-Bromofluorobenzene	460-00-4	91	%	80-120	11.17.17 18.33		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-4 @ 1'**
Lab Sample Id: 568067-009

Matrix: Soil
Date Collected: 11.06.17 13.55

Date Received: 11.10.17 16.25

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3033135

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Date Prep: 11.13.17 09.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	341	4.90	mg/kg	11.13.17 12.14		1

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3033117

Prep Method: TX1005P

% Moisture:

Basis: Wet Weight

Date Prep: 11.11.17 13.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.17 20.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.17 20.06	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.11.17 20.06	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.17 20.06	U	1

Surrogate

1-Chlorooctane

o-Terphenyl

Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
111-85-3	87	%	70-135	11.11.17 20.06	
84-15-1	84	%	70-135	11.11.17 20.06	



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

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

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-009

Date Collected: 11.06.17 13.55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 08.30

Basis: Wet Weight

Seq Number: 3033791

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00339	0.00339	mg/kg	11.17.17 18.52	U	1
Toluene	108-88-3	<0.00339	0.00339	mg/kg	11.17.17 18.52	U	1
Ethylbenzene	100-41-4	<0.00339	0.00339	mg/kg	11.17.17 18.52	U	1
m,p-Xylenes	179601-23-1	<0.00678	0.00678	mg/kg	11.17.17 18.52	U	1
o-Xylene	95-47-6	<0.00339	0.00339	mg/kg	11.17.17 18.52	U	1
Total Xylenes	1330-20-7	<0.00339	0.00339	mg/kg	11.17.17 18.52	U	1
Total BTEX		<0.00339	0.00339	mg/kg	11.17.17 18.52	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	93	%	80-120	11.17.17 18.52		
1,4-Difluorobenzene	540-36-3	107	%	80-120	11.17.17 18.52		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: SP-4 @ 6'

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-010

Date Collected: 11.06.17 14.10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 09.00

Basis: Wet Weight

Seq Number: 3033135

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	53.7	5.00	mg/kg	11.13.17 12.33		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 13.00

Basis: Wet Weight

Seq Number: 3033117

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.17 20.27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.17 20.27	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.11.17 20.27	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.17 20.27	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	11.11.17 20.27	
o-Terphenyl	84-15-1	92	%	70-135	11.11.17 20.27	



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

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

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-010

Date Collected: 11.06.17 14.10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 08.30

Basis: Wet Weight

Seq Number: 3033791

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00341	0.00341	mg/kg	11.17.17 19.09	U	1
Toluene	108-88-3	<0.00341	0.00341	mg/kg	11.17.17 19.09	U	1
Ethylbenzene	100-41-4	<0.00341	0.00341	mg/kg	11.17.17 19.09	U	1
m,p-Xylenes	179601-23-1	<0.00683	0.00683	mg/kg	11.17.17 19.09	U	1
o-Xylene	95-47-6	<0.00341	0.00341	mg/kg	11.17.17 19.09	U	1
Total Xylenes	1330-20-7	<0.00341	0.00341	mg/kg	11.17.17 19.09	U	1
Total BTEX		<0.00341	0.00341	mg/kg	11.17.17 19.09	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	94	%	80-120	11.17.17 19.09		
1,4-Difluorobenzene	540-36-3	100	%	80-120	11.17.17 19.09		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-5 @ 1'**
Lab Sample Id: 568067-011

Matrix: Soil
Date Collected: 11.06.17 14.25

Date Received: 11.10.17 16.25

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3033135

Prep Method: E300P

% Moisture:

Date Prep: 11.13.17 09.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1040	4.92	mg/kg	11.13.17 12.40		1

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3033117

Prep Method: TX1005P

% Moisture:

Date Prep: 11.11.17 13.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.17 21.30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.17 21.30	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.11.17 21.30	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.17 21.30	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	83	%	70-135	11.11.17 21.30		
o-Terphenyl	84-15-1	82	%	70-135	11.11.17 21.30		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: SP-5 @ 1'

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-011

Date Collected: 11.06.17 14.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 08.30

Basis: Wet Weight

Seq Number: 3033791

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00334	0.00334	mg/kg	11.17.17 19.28	U	1
Toluene	108-88-3	<0.00334	0.00334	mg/kg	11.17.17 19.28	U	1
Ethylbenzene	100-41-4	<0.00334	0.00334	mg/kg	11.17.17 19.28	U	1
m,p-Xylenes	179601-23-1	<0.00669	0.00669	mg/kg	11.17.17 19.28	U	1
o-Xylene	95-47-6	<0.00334	0.00334	mg/kg	11.17.17 19.28	U	1
Total Xylenes	1330-20-7	<0.00334	0.00334	mg/kg	11.17.17 19.28	U	1
Total BTEX		<0.00334	0.00334	mg/kg	11.17.17 19.28	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	98	%	80-120	11.17.17 19.28		
1,4-Difluorobenzene	540-36-3	107	%	80-120	11.17.17 19.28		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: SP- 5 @ 4'

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-012

Date Collected: 11.06.17 14.32

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 09.00

Basis: Wet Weight

Seq Number: 3033135

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	294	4.97	mg/kg	11.13.17 12.46		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 13.00

Basis: Wet Weight

Seq Number: 3033117

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	11.11.17 21.49	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	11.11.17 21.49	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	11.11.17 21.49	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	11.11.17 21.49	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	11.11.17 21.49	
o-Terphenyl	84-15-1	90	%	70-135	11.11.17 21.49	



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: SP- 5 @ 4'

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-012

Date Collected: 11.06.17 14.32

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 08.30

Basis: Wet Weight

Seq Number: 3033791

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00331	0.00331	mg/kg	11.17.17 19.47	U	1
Toluene	108-88-3	<0.00331	0.00331	mg/kg	11.17.17 19.47	U	1
Ethylbenzene	100-41-4	<0.00331	0.00331	mg/kg	11.17.17 19.47	U	1
m,p-Xylenes	179601-23-1	<0.00662	0.00662	mg/kg	11.17.17 19.47	U	1
o-Xylene	95-47-6	<0.00331	0.00331	mg/kg	11.17.17 19.47	U	1
Total Xylenes	1330-20-7	<0.00331	0.00331	mg/kg	11.17.17 19.47	U	1
Total BTEX		<0.00331	0.00331	mg/kg	11.17.17 19.47	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	112	%	80-120	11.17.17 19.47		
4-Bromofluorobenzene	460-00-4	117	%	80-120	11.17.17 19.47		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

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

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-013

Date Collected: 11.06.17 14.54

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 09.00

Basis: Wet Weight

Seq Number: 3033135

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	17600	245	mg/kg	11.13.17 12.52		50

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 13.00

Basis: Wet Weight

Seq Number: 3033117

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.17 22.09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.17 22.09	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.11.17 22.09	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.17 22.09	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	11.11.17 22.09	
o-Terphenyl	84-15-1	93	%	70-135	11.11.17 22.09	



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

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

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-013

Date Collected: 11.06.17 14.54

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 08.30

Basis: Wet Weight

Seq Number: 3033791

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00337	0.00337	mg/kg	11.17.17 20.06	U	1
Toluene	108-88-3	<0.00337	0.00337	mg/kg	11.17.17 20.06	U	1
Ethylbenzene	100-41-4	<0.00337	0.00337	mg/kg	11.17.17 20.06	U	1
m,p-Xylenes	179601-23-1	<0.00673	0.00673	mg/kg	11.17.17 20.06	U	1
o-Xylene	95-47-6	<0.00337	0.00337	mg/kg	11.17.17 20.06	U	1
Total Xylenes	1330-20-7	<0.00337	0.00337	mg/kg	11.17.17 20.06	U	1
Total BTEX		<0.00337	0.00337	mg/kg	11.17.17 20.06	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	86	%	80-120	11.17.17 20.06		
1,4-Difluorobenzene	540-36-3	87	%	80-120	11.17.17 20.06		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

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

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-014

Date Collected: 11.06.17 14.57

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 09.00

Basis: Wet Weight

Seq Number: 3033135

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	16700	249	mg/kg	11.13.17 12.59		50

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 13.00

Basis: Wet Weight

Seq Number: 3033117

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	388	74.9	mg/kg	11.12.17 09.56		5
Diesel Range Organics (DRO)	C10C28DRO	6020	74.9	mg/kg	11.12.17 09.56		5
Oil Range Hydrocarbons (ORO)	PHCG2835	930	74.9	mg/kg	11.12.17 09.56		5
Total TPH	PHC635	7340	74.9	mg/kg	11.12.17 09.56		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	103	%	70-135	11.12.17 09.56	
o-Terphenyl	84-15-1	101	%	70-135	11.12.17 09.56	



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-3 @ 1'**
Lab Sample Id: 568067-015

Matrix: Soil
Date Collected: 11.06.17 15.14

Date Received: 11.10.17 16.25

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3033135

Prep Method: E300P

% Moisture:

Date Prep: 11.13.17 09.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10300	99.0	mg/kg	11.13.17 13.05		20

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3033117

Prep Method: TX1005P

% Moisture:

Date Prep: 11.11.17 13.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.17 22.48	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.17 22.48	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.11.17 22.48	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.17 22.48	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	98	%	70-135	11.11.17 22.48		
o-Terphenyl	84-15-1	96	%	70-135	11.11.17 22.48		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-3 @ 1'**
Lab Sample Id: 568067-015

Matrix: Soil
Date Collected: 11.06.17 15.14

Date Received: 11.10.17 16.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 17.00

Basis: Wet Weight

Seq Number: 3033798

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00339	0.00339	mg/kg	11.19.17 17.47	U	1
Toluene	108-88-3	<0.00339	0.00339	mg/kg	11.19.17 17.47	U	1
Ethylbenzene	100-41-4	<0.00339	0.00339	mg/kg	11.19.17 17.47	U	1
m,p-Xylenes	179601-23-1	<0.00678	0.00678	mg/kg	11.19.17 17.47	U	1
o-Xylene	95-47-6	<0.00339	0.00339	mg/kg	11.19.17 17.47	U	1
Total Xylenes	1330-20-7	<0.00339	0.00339	mg/kg	11.19.17 17.47	U	1
Total BTEX		<0.00339	0.00339	mg/kg	11.19.17 17.47	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	105	%	80-120	11.19.17 17.47		
4-Bromofluorobenzene	460-00-4	87	%	80-120	11.19.17 17.47		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-3 @ 4'**
Lab Sample Id: 568067-016

Matrix: Soil
Date Collected: 11.06.17 15.24

Date Received: 11.10.17 16.25

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3033135

Prep Method: E300P

% Moisture:

Date Prep: 11.13.17 09.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2340	24.7	mg/kg	11.13.17 13.11		5

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3033117

Prep Method: TX1005P

% Moisture:

Date Prep: 11.11.17 13.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.17 23.08	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.17 23.08	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.11.17 23.08	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.17 23.08	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	97	%	70-135	11.11.17 23.08		
o-Terphenyl	84-15-1	97	%	70-135	11.11.17 23.08		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-3 @ 4'**
Lab Sample Id: 568067-016

Matrix: Soil
Date Collected: 11.06.17 15.24

Date Received: 11.10.17 16.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00336	0.00336	mg/kg	11.17.17 23.13	U	1
Toluene	108-88-3	<0.00336	0.00336	mg/kg	11.17.17 23.13	U	1
Ethylbenzene	100-41-4	<0.00336	0.00336	mg/kg	11.17.17 23.13	U	1
m,p-Xylenes	179601-23-1	<0.00671	0.00671	mg/kg	11.17.17 23.13	U	1
o-Xylene	95-47-6	<0.00336	0.00336	mg/kg	11.17.17 23.13	U	1
Total Xylenes	1330-20-7	<0.00336	0.00336	mg/kg	11.17.17 23.13	U	1
Total BTEX		<0.00336	0.00336	mg/kg	11.17.17 23.13	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	82	%	80-120	11.17.17 23.13		
1,4-Difluorobenzene	540-36-3	93	%	80-120	11.17.17 23.13		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-3 @ 6'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-017

Date Collected: 11.06.17 15.28

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 12.00

Basis: Wet Weight

Seq Number: 3033246

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	14900	98.6	mg/kg	11.13.17 14.09		20

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 13.00

Basis: Wet Weight

Seq Number: 3033117

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.17 23.28	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.11.17 23.28	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.11.17 23.28	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.11.17 23.28	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	11.11.17 23.28	
o-Terphenyl	84-15-1	94	%	70-135	11.11.17 23.28	



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-3 @ 6'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-017

Date Collected: 11.06.17 15.28

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00338	0.00338	mg/kg	11.17.17 23.33	U	1
Toluene	108-88-3	<0.00338	0.00338	mg/kg	11.17.17 23.33	U	1
Ethylbenzene	100-41-4	<0.00338	0.00338	mg/kg	11.17.17 23.33	U	1
m,p-Xylenes	179601-23-1	<0.00676	0.00676	mg/kg	11.17.17 23.33	U	1
o-Xylene	95-47-6	<0.00338	0.00338	mg/kg	11.17.17 23.33	U	1
Total Xylenes	1330-20-7	<0.00338	0.00338	mg/kg	11.17.17 23.33	U	1
Total BTEX		<0.00338	0.00338	mg/kg	11.17.17 23.33	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	117	%	80-120	11.17.17 23.33		
4-Bromofluorobenzene	460-00-4	115	%	80-120	11.17.17 23.33		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-3 @ 14'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-018

Date Collected: 11.06.17 15.52

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 12.00

Basis: Wet Weight

Seq Number: 3033246

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	15100	99.6	mg/kg	11.13.17 14.15		20

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 13.00

Basis: Wet Weight

Seq Number: 3033117

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.11.17 23.48	U	1
Diesel Range Organics (DRO)	C10C28DRO	34.5	15.0	mg/kg	11.11.17 23.48		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.11.17 23.48	U	1
Total TPH	PHC635	34.5	15.0	mg/kg	11.11.17 23.48		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	11.11.17 23.48	
o-Terphenyl	84-15-1	93	%	70-135	11.11.17 23.48	



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-3 @ 14'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-018

Date Collected: 11.06.17 15.52

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00331	0.00331	mg/kg	11.17.17 23.52	U	1
Toluene	108-88-3	<0.00331	0.00331	mg/kg	11.17.17 23.52	U	1
Ethylbenzene	100-41-4	<0.00331	0.00331	mg/kg	11.17.17 23.52	U	1
m,p-Xylenes	179601-23-1	<0.00662	0.00662	mg/kg	11.17.17 23.52	U	1
o-Xylene	95-47-6	<0.00331	0.00331	mg/kg	11.17.17 23.52	U	1
Total Xylenes	1330-20-7	<0.00331	0.00331	mg/kg	11.17.17 23.52	U	1
Total BTEX		<0.00331	0.00331	mg/kg	11.17.17 23.52	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	90	%	80-120	11.17.17 23.52		
4-Bromofluorobenzene	460-00-4	80	%	80-120	11.17.17 23.52		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-4 @ 1'**
Lab Sample Id: 568067-019

Matrix: Soil
Date Collected: 11.07.17 10.57

Date Received: 11.10.17 16.25

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3033246

Prep Method: E300P
% Moisture:
Date Prep: 11.13.17 12.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	17400	250	mg/kg	11.13.17 14.22		50

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3033117

Prep Method: TX1005P
% Moisture:
Date Prep: 11.11.17 13.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.12.17 00.07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.12.17 00.07	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.12.17 00.07	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.12.17 00.07	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	97	%	70-135	11.12.17 00.07		
o-Terphenyl	84-15-1	99	%	70-135	11.12.17 00.07		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

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

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-019

Date Collected: 11.07.17 10.57

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00332	0.00332	mg/kg	11.18.17 00.10	U	1
Toluene	108-88-3	<0.00332	0.00332	mg/kg	11.18.17 00.10	U	1
Ethylbenzene	100-41-4	<0.00332	0.00332	mg/kg	11.18.17 00.10	U	1
m,p-Xylenes	179601-23-1	<0.00664	0.00664	mg/kg	11.18.17 00.10	U	1
o-Xylene	95-47-6	<0.00332	0.00332	mg/kg	11.18.17 00.10	U	1
Total Xylenes	1330-20-7	<0.00332	0.00332	mg/kg	11.18.17 00.10	U	1
Total BTEX		<0.00332	0.00332	mg/kg	11.18.17 00.10	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	107	%	80-120	11.18.17 00.10		
1,4-Difluorobenzene	540-36-3	106	%	80-120	11.18.17 00.10		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-4 @ 4'**
Lab Sample Id: 568067-020

Matrix: Soil
Date Collected: 11.07.17 11.05

Date Received: 11.10.17 16.25

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3033246

Prep Method: E300P

% Moisture:

Date Prep: 11.13.17 12.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8830	49.7	mg/kg	11.13.17 14.28		10

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3033117

Prep Method: TX1005P

% Moisture:

Date Prep: 11.11.17 13.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.12.17 00.27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.12.17 00.27	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.12.17 00.27	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.12.17 00.27	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	94	%	70-135	11.12.17 00.27		
o-Terphenyl	84-15-1	93	%	70-135	11.12.17 00.27		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

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

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-020

Date Collected: 11.07.17 11.05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00339	0.00339	mg/kg	11.18.17 00.29	U	1
Toluene	108-88-3	<0.00339	0.00339	mg/kg	11.18.17 00.29	U	1
Ethylbenzene	100-41-4	<0.00339	0.00339	mg/kg	11.18.17 00.29	U	1
m,p-Xylenes	179601-23-1	<0.00678	0.00678	mg/kg	11.18.17 00.29	U	1
o-Xylene	95-47-6	<0.00339	0.00339	mg/kg	11.18.17 00.29	U	1
Total Xylenes	1330-20-7	<0.00339	0.00339	mg/kg	11.18.17 00.29	U	1
Total BTEX		<0.00339	0.00339	mg/kg	11.18.17 00.29	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	96	%	80-120	11.18.17 00.29		
4-Bromofluorobenzene	460-00-4	95	%	80-120	11.18.17 00.29		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

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

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-021

Date Collected: 11.07.17 11.17

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 12.00

Basis: Wet Weight

Seq Number: 3033246

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	849	4.99	mg/kg	11.13.17 13.50		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 15.00

Basis: Wet Weight

Seq Number: 3033118

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.12.17 02.10	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.12.17 02.10	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.12.17 02.10	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.12.17 02.10	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-135	11.12.17 02.10	
o-Terphenyl	84-15-1	82	%	70-135	11.12.17 02.10	



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

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

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-021

Date Collected: 11.07.17 11.17

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00346	0.00346	mg/kg	11.18.17 00.48	U	1
Toluene	108-88-3	<0.00346	0.00346	mg/kg	11.18.17 00.48	U	1
Ethylbenzene	100-41-4	<0.00346	0.00346	mg/kg	11.18.17 00.48	U	1
m,p-Xylenes	179601-23-1	<0.00692	0.00692	mg/kg	11.18.17 00.48	U	1
o-Xylene	95-47-6	<0.00346	0.00346	mg/kg	11.18.17 00.48	U	1
Total Xylenes	1330-20-7	<0.00346	0.00346	mg/kg	11.18.17 00.48	U	1
Total BTEX		<0.00346	0.00346	mg/kg	11.18.17 00.48	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	90	%	80-120	11.18.17 00.48		
4-Bromofluorobenzene	460-00-4	81	%	80-120	11.18.17 00.48		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-5 @ 1'**
Lab Sample Id: 568067-022

Matrix: Soil
Date Collected: 11.07.17 11.36

Date Received: 11.10.17 16.25

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3033246

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Date Prep: 11.13.17 12.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7350	50.0	mg/kg	11.13.17 14.47		10

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3033118

Prep Method: TX1005P

% Moisture:

Basis: Wet Weight

Date Prep: 11.11.17 15.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	11.12.17 03.09	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	11.12.17 03.09	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	11.12.17 03.09	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	11.12.17 03.09	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	94	%	70-135	11.12.17 03.09		
o-Terphenyl	84-15-1	93	%	70-135	11.12.17 03.09		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-5 @ 1'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-022

Date Collected: 11.07.17 11.36

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00348	0.00348	mg/kg	11.18.17 01.07	U	1
Toluene	108-88-3	<0.00348	0.00348	mg/kg	11.18.17 01.07	U	1
Ethylbenzene	100-41-4	<0.00348	0.00348	mg/kg	11.18.17 01.07	U	1
m,p-Xylenes	179601-23-1	<0.00697	0.00697	mg/kg	11.18.17 01.07	U	1
o-Xylene	95-47-6	<0.00348	0.00348	mg/kg	11.18.17 01.07	U	1
Total Xylenes	1330-20-7	<0.00348	0.00348	mg/kg	11.18.17 01.07	U	1
Total BTEX		<0.00348	0.00348	mg/kg	11.18.17 01.07	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	118	%	80-120	11.18.17 01.07		
4-Bromofluorobenzene	460-00-4	108	%	80-120	11.18.17 01.07		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-5 @ 4'**
Lab Sample Id: 568067-023

Matrix: Soil
Date Collected: 11.07.17 11.47

Date Received: 11.10.17 16.25

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3033246

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Date Prep: 11.13.17 12.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	20300	248	mg/kg	11.13.17 14.54		50

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3033118

Prep Method: TX1005P

% Moisture:

Basis: Wet Weight

Date Prep: 11.11.17 15.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.12.17 03.30	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.12.17 03.30	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.12.17 03.30	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.12.17 03.30	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	96	%	70-135	11.12.17 03.30		
o-Terphenyl	84-15-1	95	%	70-135	11.12.17 03.30		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-5 @ 4'**
Lab Sample Id: 568067-023

Matrix: Soil
Date Collected: 11.07.17 11.47

Date Received: 11.10.17 16.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00361	0.00361	mg/kg	11.18.17 01.26	U	1
Toluene	108-88-3	<0.00361	0.00361	mg/kg	11.18.17 01.26	U	1
Ethylbenzene	100-41-4	<0.00361	0.00361	mg/kg	11.18.17 01.26	U	1
m,p-Xylenes	179601-23-1	<0.00722	0.00722	mg/kg	11.18.17 01.26	U	1
o-Xylene	95-47-6	<0.00361	0.00361	mg/kg	11.18.17 01.26	U	1
Total Xylenes	1330-20-7	<0.00361	0.00361	mg/kg	11.18.17 01.26	U	1
Total BTEX		<0.00361	0.00361	mg/kg	11.18.17 01.26	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	89	%	80-120	11.18.17 01.26		
4-Bromofluorobenzene	460-00-4	81	%	80-120	11.18.17 01.26		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-5 @ 14'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-024

Date Collected: 11.07.17 12.21

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 12.00

Basis: Wet Weight

Seq Number: 3033246

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4850	49.3	mg/kg	11.13.17 15.00		10

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 15.00

Basis: Wet Weight

Seq Number: 3033118

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.12.17 03.51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.12.17 03.51	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.12.17 03.51	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.12.17 03.51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	11.12.17 03.51	
o-Terphenyl	84-15-1	93	%	70-135	11.12.17 03.51	



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-5 @ 14'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-024

Date Collected: 11.07.17 12.21

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00328	0.00328	mg/kg	11.18.17 01.46	U	1
Toluene	108-88-3	<0.00328	0.00328	mg/kg	11.18.17 01.46	U	1
Ethylbenzene	100-41-4	<0.00328	0.00328	mg/kg	11.18.17 01.46	U	1
m,p-Xylenes	179601-23-1	<0.00656	0.00656	mg/kg	11.18.17 01.46	U	1
o-Xylene	95-47-6	<0.00328	0.00328	mg/kg	11.18.17 01.46	U	1
Total Xylenes	1330-20-7	<0.00328	0.00328	mg/kg	11.18.17 01.46	U	1
Total BTEX		<0.00328	0.00328	mg/kg	11.18.17 01.46	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	110	%	80-120	11.18.17 01.46		
1,4-Difluorobenzene	540-36-3	114	%	80-120	11.18.17 01.46		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-5 @ 18'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-025

Date Collected: 11.07.17 12.35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 12.00

Basis: Wet Weight

Seq Number: 3033246

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	11800	49.1	mg/kg	11.13.17 15.06		10

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 15.00

Basis: Wet Weight

Seq Number: 3033118

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.12.17 04.12	U	1
Diesel Range Organics (DRO)	C10C28DRO	29.2	15.0	mg/kg	11.12.17 04.12		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.12.17 04.12	U	1
Total TPH	PHC635	29.2	15.0	mg/kg	11.12.17 04.12		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	83	%	70-135	11.12.17 04.12		
o-Terphenyl	84-15-1	86	%	70-135	11.12.17 04.12		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-5 @ 18'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-025

Date Collected: 11.07.17 12.35

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00336	0.00336	mg/kg	11.18.17 02.04	U	1
Toluene	108-88-3	<0.00336	0.00336	mg/kg	11.18.17 02.04	U	1
Ethylbenzene	100-41-4	<0.00336	0.00336	mg/kg	11.18.17 02.04	U	1
m,p-Xylenes	179601-23-1	<0.00671	0.00671	mg/kg	11.18.17 02.04	U	1
o-Xylene	95-47-6	<0.00336	0.00336	mg/kg	11.18.17 02.04	U	1
Total Xylenes	1330-20-7	<0.00336	0.00336	mg/kg	11.18.17 02.04	U	1
Total BTEX		<0.00336	0.00336	mg/kg	11.18.17 02.04	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	90	%	80-120	11.18.17 02.04		
1,4-Difluorobenzene	540-36-3	105	%	80-120	11.18.17 02.04		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-6 @ 1'**
Lab Sample Id: 568067-026

Matrix: Soil
Date Collected: 11.07.17 12.48

Date Received: 11.10.17 16.25

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3033246

Prep Method: E300P

% Moisture:

Date Prep: 11.13.17 12.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6260	49.8	mg/kg	11.13.17 15.13		10

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3033118

Prep Method: TX1005P

% Moisture:

Date Prep: 11.11.17 15.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.12.17 04.31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.12.17 04.31	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.12.17 04.31	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.12.17 04.31	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	95	%	70-135	11.12.17 04.31		
o-Terphenyl	84-15-1	94	%	70-135	11.12.17 04.31		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-6 @ 1'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-026

Date Collected: 11.07.17 12.48

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00339	0.00339	mg/kg	11.18.17 03.01	U	1
Toluene	108-88-3	<0.00339	0.00339	mg/kg	11.18.17 03.01	U	1
Ethylbenzene	100-41-4	<0.00339	0.00339	mg/kg	11.18.17 03.01	U	1
m,p-Xylenes	179601-23-1	<0.00678	0.00678	mg/kg	11.18.17 03.01	U	1
o-Xylene	95-47-6	<0.00339	0.00339	mg/kg	11.18.17 03.01	U	1
Total Xylenes	1330-20-7	<0.00339	0.00339	mg/kg	11.18.17 03.01	U	1
Total BTEX		<0.00339	0.00339	mg/kg	11.18.17 03.01	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	105	%	80-120	11.18.17 03.01		
1,4-Difluorobenzene	540-36-3	106	%	80-120	11.18.17 03.01		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-6 @ 10'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-027

Date Collected: 11.07.17 13.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 12.00

Basis: Wet Weight

Seq Number: 3033246

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	14200	98.0	mg/kg	11.13.17 15.38		20

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 15.00

Basis: Wet Weight

Seq Number: 3033118

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.12.17 04.51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.12.17 04.51	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.12.17 04.51	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.12.17 04.51	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	91	%	70-135	11.12.17 04.51		
o-Terphenyl	84-15-1	93	%	70-135	11.12.17 04.51		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-6 @ 10'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-027

Date Collected: 11.07.17 13.20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 17.00

Basis: Wet Weight

Seq Number: 3033798

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00358	0.00358	mg/kg	11.19.17 18.06	U	1
Toluene	108-88-3	<0.00358	0.00358	mg/kg	11.19.17 18.06	U	1
Ethylbenzene	100-41-4	<0.00358	0.00358	mg/kg	11.19.17 18.06	U	1
m,p-Xylenes	179601-23-1	<0.00717	0.00717	mg/kg	11.19.17 18.06	U	1
o-Xylene	95-47-6	<0.00358	0.00358	mg/kg	11.19.17 18.06	U	1
Total Xylenes	1330-20-7	<0.00358	0.00358	mg/kg	11.19.17 18.06	U	1
Total BTEX		<0.00358	0.00358	mg/kg	11.19.17 18.06	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	94	%	80-120	11.19.17 18.06		
4-Bromofluorobenzene	460-00-4	85	%	80-120	11.19.17 18.06		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-6 @ 14'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-028

Date Collected: 11.07.17 13.35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 12.00

Basis: Wet Weight

Seq Number: 3033246

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12700	99.4	mg/kg	11.13.17 15.45		20

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 15.00

Basis: Wet Weight

Seq Number: 3033118

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.12.17 05.12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.12.17 05.12	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.12.17 05.12	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.12.17 05.12	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	96	%	70-135	11.12.17 05.12	
o-Terphenyl	84-15-1	94	%	70-135	11.12.17 05.12	



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-6 @ 14'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-028

Date Collected: 11.07.17 13.35

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00332	0.00332	mg/kg	11.18.17 03.39	U	1
Toluene	108-88-3	<0.00332	0.00332	mg/kg	11.18.17 03.39	U	1
Ethylbenzene	100-41-4	<0.00332	0.00332	mg/kg	11.18.17 03.39	U	1
m,p-Xylenes	179601-23-1	<0.00664	0.00664	mg/kg	11.18.17 03.39	U	1
o-Xylene	95-47-6	<0.00332	0.00332	mg/kg	11.18.17 03.39	U	1
Total Xylenes	1330-20-7	<0.00332	0.00332	mg/kg	11.18.17 03.39	U	1
Total BTEX		<0.00332	0.00332	mg/kg	11.18.17 03.39	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	113	%	80-120	11.18.17 03.39		
4-Bromofluorobenzene	460-00-4	113	%	80-120	11.18.17 03.39		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: SP-6 @ 1'

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-029

Date Collected: 11.07.17 13.50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 12.00

Basis: Wet Weight

Seq Number: 3033246

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	22.3	4.99	mg/kg	11.13.17 15.19		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 15.00

Basis: Wet Weight

Seq Number: 3033118

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	11.12.17 05.34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	11.12.17 05.34	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	11.12.17 05.34	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	11.12.17 05.34	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	94	%	70-135	11.12.17 05.34		
o-Terphenyl	84-15-1	91	%	70-135	11.12.17 05.34		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

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

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-029

Date Collected: 11.07.17 13.50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00332	0.00332	mg/kg	11.18.17 03.58	U	1
Toluene	108-88-3	<0.00332	0.00332	mg/kg	11.18.17 03.58	U	1
Ethylbenzene	100-41-4	<0.00332	0.00332	mg/kg	11.18.17 03.58	U	1
m,p-Xylenes	179601-23-1	<0.00664	0.00664	mg/kg	11.18.17 03.58	U	1
o-Xylene	95-47-6	<0.00332	0.00332	mg/kg	11.18.17 03.58	U	1
Total Xylenes	1330-20-7	<0.00332	0.00332	mg/kg	11.18.17 03.58	U	1
Total BTEX		<0.00332	0.00332	mg/kg	11.18.17 03.58	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	80	%	80-120	11.18.17 03.58		
1,4-Difluorobenzene	540-36-3	89	%	80-120	11.18.17 03.58		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-6 @ 2'**
Lab Sample Id: 568067-030

Matrix: Soil
Date Collected: 11.07.17 13.55

Date Received: 11.10.17 16.25

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3033246

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Date Prep: 11.13.17 12.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	292	4.91	mg/kg	11.13.17 16.04		1

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3033118

Prep Method: TX1005P

% Moisture:

Basis: Wet Weight

Date Prep: 11.11.17 15.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.12.17 05.53	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.12.17 05.53	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.12.17 05.53	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.12.17 05.53	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	89	%	70-135	11.12.17 05.53		
o-Terphenyl	84-15-1	89	%	70-135	11.12.17 05.53		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

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

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-030

Date Collected: 11.07.17 13.55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00336	0.00336	mg/kg	11.18.17 04.17	U	1
Toluene	108-88-3	<0.00336	0.00336	mg/kg	11.18.17 04.17	U	1
Ethylbenzene	100-41-4	<0.00336	0.00336	mg/kg	11.18.17 04.17	U	1
m,p-Xylenes	179601-23-1	<0.00671	0.00671	mg/kg	11.18.17 04.17	U	1
o-Xylene	95-47-6	<0.00336	0.00336	mg/kg	11.18.17 04.17	U	1
Total Xylenes	1330-20-7	<0.00336	0.00336	mg/kg	11.18.17 04.17	U	1
Total BTEX		<0.00336	0.00336	mg/kg	11.18.17 04.17	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	97	%	80-120	11.18.17 04.17		
4-Bromofluorobenzene	460-00-4	95	%	80-120	11.18.17 04.17		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-7 @ 2'**
Lab Sample Id: 568067-031

Matrix: Soil
Date Collected: 11.07.17 14.14

Date Received: 11.10.17 16.25

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3033246

Prep Method: E300P

% Moisture:

Date Prep: 11.13.17 12.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3630	24.9	mg/kg	11.13.17 16.10		5

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3033118

Prep Method: TX1005P

% Moisture:

Date Prep: 11.11.17 15.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.12.17 06.54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.12.17 06.54	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.12.17 06.54	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.12.17 06.54	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	91	%	70-135	11.12.17 06.54		
o-Terphenyl	84-15-1	92	%	70-135	11.12.17 06.54		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-7 @ 2'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-031

Date Collected: 11.07.17 14.14

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00327	0.00327	mg/kg	11.18.17 04.36	U	1
Toluene	108-88-3	<0.00327	0.00327	mg/kg	11.18.17 04.36	U	1
Ethylbenzene	100-41-4	<0.00327	0.00327	mg/kg	11.18.17 04.36	U	1
m,p-Xylenes	179601-23-1	<0.00654	0.00654	mg/kg	11.18.17 04.36	U	1
o-Xylene	95-47-6	<0.00327	0.00327	mg/kg	11.18.17 04.36	U	1
Total Xylenes	1330-20-7	<0.00327	0.00327	mg/kg	11.18.17 04.36	U	1
Total BTEX		<0.00327	0.00327	mg/kg	11.18.17 04.36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	109	%	80-120	11.18.17 04.36		
1,4-Difluorobenzene	540-36-3	114	%	80-120	11.18.17 04.36		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-7 @ 10'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-032

Date Collected: 11.07.17 14.44

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 12.00

Basis: Wet Weight

Seq Number: 3033246

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	14500	99.8	mg/kg	11.13.17 16.16		20

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 15.00

Basis: Wet Weight

Seq Number: 3033118

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.12.17 07.16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.12.17 07.16	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.12.17 07.16	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.12.17 07.16	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	97	%	70-135	11.12.17 07.16		
o-Terphenyl	84-15-1	97	%	70-135	11.12.17 07.16		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-7 @ 10'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-032

Date Collected: 11.07.17 14.44

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00346	0.00346	mg/kg	11.18.17 04.53	U	1
Toluene	108-88-3	<0.00346	0.00346	mg/kg	11.18.17 04.53	U	1
Ethylbenzene	100-41-4	<0.00346	0.00346	mg/kg	11.18.17 04.53	U	1
m,p-Xylenes	179601-23-1	<0.00692	0.00692	mg/kg	11.18.17 04.53	U	1
o-Xylene	95-47-6	<0.00346	0.00346	mg/kg	11.18.17 04.53	U	1
Total Xylenes	1330-20-7	<0.00346	0.00346	mg/kg	11.18.17 04.53	U	1
Total BTEX		<0.00346	0.00346	mg/kg	11.18.17 04.53	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	92	%	80-120	11.18.17 04.53		
1,4-Difluorobenzene	540-36-3	107	%	80-120	11.18.17 04.53		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-7 @ 12'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-033

Date Collected: 11.07.17 14.50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 12.00

Basis: Wet Weight

Seq Number: 3033246

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	164	4.91	mg/kg	11.13.17 16.23		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 15.00

Basis: Wet Weight

Seq Number: 3033118

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.12.17 07.36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.12.17 07.36	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.12.17 07.36	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.12.17 07.36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	96	%	70-135	11.12.17 07.36		
o-Terphenyl	84-15-1	97	%	70-135	11.12.17 07.36		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-7 @ 12'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-033

Date Collected: 11.07.17 14.50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00351	0.00351	mg/kg	11.18.17 05.12	U	1
Toluene	108-88-3	<0.00351	0.00351	mg/kg	11.18.17 05.12	U	1
Ethylbenzene	100-41-4	<0.00351	0.00351	mg/kg	11.18.17 05.12	U	1
m,p-Xylenes	179601-23-1	<0.00702	0.00702	mg/kg	11.18.17 05.12	U	1
o-Xylene	95-47-6	<0.00351	0.00351	mg/kg	11.18.17 05.12	U	1
Total Xylenes	1330-20-7	<0.00351	0.00351	mg/kg	11.18.17 05.12	U	1
Total BTEX		<0.00351	0.00351	mg/kg	11.18.17 05.12	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	104	%	80-120	11.18.17 05.12		
4-Bromofluorobenzene	460-00-4	89	%	80-120	11.18.17 05.12		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-7 @ 14'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-034

Date Collected: 11.07.17 15.01

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 12.00

Basis: Wet Weight

Seq Number: 3033246

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	26.4	4.92	mg/kg	11.13.17 16.29		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 15.00

Basis: Wet Weight

Seq Number: 3033118

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	11.12.17 07.55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	11.12.17 07.55	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	11.12.17 07.55	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	11.12.17 07.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	11.12.17 07.55	
o-Terphenyl	84-15-1	93	%	70-135	11.12.17 07.55	



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **SP-7 @ 14'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-034

Date Collected: 11.07.17 15.01

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00360	0.00360	mg/kg	11.18.17 05.31	U	1
Toluene	108-88-3	<0.00360	0.00360	mg/kg	11.18.17 05.31	U	1
Ethylbenzene	100-41-4	<0.00360	0.00360	mg/kg	11.18.17 05.31	U	1
m,p-Xylenes	179601-23-1	<0.00719	0.00719	mg/kg	11.18.17 05.31	U	1
o-Xylene	95-47-6	<0.00360	0.00360	mg/kg	11.18.17 05.31	U	1
Total Xylenes	1330-20-7	<0.00360	0.00360	mg/kg	11.18.17 05.31	U	1
Total BTEX		<0.00360	0.00360	mg/kg	11.18.17 05.31	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	113	%	80-120	11.18.17 05.31		
4-Bromofluorobenzene	460-00-4	97	%	80-120	11.18.17 05.31		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-A @ 1'**
Lab Sample Id: 568067-035

Matrix: Soil
Date Collected: 11.07.17 14.11

Date Received: 11.10.17 16.25

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3033246

Prep Method: E300P

% Moisture:

Date Prep: 11.13.17 12.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3430	24.6	mg/kg	11.13.17 16.36		5

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3033118

Prep Method: TX1005P

% Moisture:

Date Prep: 11.11.17 15.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.12.17 08.17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.12.17 08.17	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.12.17 08.17	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.12.17 08.17	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	89	%	70-135	11.12.17 08.17		
o-Terphenyl	84-15-1	91	%	70-135	11.12.17 08.17		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-A @ 1'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-035

Date Collected: 11.07.17 14.11

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 15.30

Basis: Wet Weight

Seq Number: 3033792

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00341	0.00341	mg/kg	11.18.17 05.50	U	1
Toluene	108-88-3	<0.00341	0.00341	mg/kg	11.18.17 05.50	U	1
Ethylbenzene	100-41-4	<0.00341	0.00341	mg/kg	11.18.17 05.50	U	1
m,p-Xylenes	179601-23-1	<0.00683	0.00683	mg/kg	11.18.17 05.50	U	1
o-Xylene	95-47-6	<0.00341	0.00341	mg/kg	11.18.17 05.50	U	1
Total Xylenes	1330-20-7	<0.00341	0.00341	mg/kg	11.18.17 05.50	U	1
Total BTEX		<0.00341	0.00341	mg/kg	11.18.17 05.50	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	94	%	80-120	11.18.17 05.50		
4-Bromofluorobenzene	460-00-4	87	%	80-120	11.18.17 05.50		



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-A @ 4'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-036

Date Collected: 11.07.17 14.44

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 11.13.17 12.00

Basis: Wet Weight

Seq Number: 3033246

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	44.9	4.98	mg/kg	11.13.17 16.42		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.11.17 15.00

Basis: Wet Weight

Seq Number: 3033118

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.12.17 08.37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.12.17 08.37	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.12.17 08.37	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.12.17 08.37	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	11.12.17 08.37	
o-Terphenyl	84-15-1	89	%	70-135	11.12.17 08.37	



Certificate of Analytical Results 568067



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 FED 2 SWD

Sample Id: **FP-A @ 4'**

Matrix: Soil

Date Received: 11.10.17 16.25

Lab Sample Id: 568067-036

Date Collected: 11.07.17 14.44

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 11.17.17 17.00

Basis: Wet Weight

Seq Number: 3033798

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00336	0.00336	mg/kg	11.19.17 11.29	U	1
Toluene	108-88-3	<0.00336	0.00336	mg/kg	11.19.17 11.29	U	1
Ethylbenzene	100-41-4	<0.00336	0.00336	mg/kg	11.19.17 11.29	U	1
m,p-Xylenes	179601-23-1	<0.00671	0.00671	mg/kg	11.19.17 11.29	U	1
o-Xylene	95-47-6	<0.00336	0.00336	mg/kg	11.19.17 11.29	U	1
Total Xylenes	1330-20-7	<0.00336	0.00336	mg/kg	11.19.17 11.29	U	1
Total BTEX		<0.00336	0.00336	mg/kg	11.19.17 11.29	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	87	%	80-120	11.19.17 11.29		
1,4-Difluorobenzene	540-36-3	98	%	80-120	11.19.17 11.29		

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

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

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

Certified and approved by numerous States and Agencies.

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

Houston - Dallas - San Antonio - Atlanta - Midland/Odessa - Tampa/Lakeland - Phoenix - Latin America

4147 Greenbriar Dr, Stafford, TX 77477
 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
Lost Tank 33 FED 2 SWD

Analytical Method: Chloride by EPA 300

Seq Number: 3033135

MB Sample Id: 7634257-1-BLK

Matrix: Solid

LCS Sample Id: 7634257-1-BKS

Prep Method: E300P

Date Prep: 11.13.17

LCSD Sample Id: 7634257-1-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	252	101	254	102	90-110	1	20	mg/kg	11.13.17 09:53	

Analytical Method: Chloride by EPA 300

Seq Number: 3033246

MB Sample Id: 7634287-1-BLK

Matrix: Solid

LCS Sample Id: 7634287-1-BKS

Prep Method: E300P

Date Prep: 11.13.17

LCSD Sample Id: 7634287-1-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	250	100	251	100	90-110	0	20	mg/kg	11.13.17 13:37	

Analytical Method: Chloride by EPA 300

Seq Number: 3033135

Parent Sample Id: 567976-002

Matrix: Soil

MS Sample Id: 567976-002 S

Prep Method: E300P

Date Prep: 11.13.17

MSD Sample Id: 567976-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	120	249	376	103	378	104	90-110	1	20	mg/kg	11.13.17 10:26	

Analytical Method: Chloride by EPA 300

Seq Number: 3033135

Parent Sample Id: 568067-008

Matrix: Soil

MS Sample Id: 568067-008 S

Prep Method: E300P

Date Prep: 11.13.17

MSD Sample Id: 568067-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	783	250	986	81	987	82	90-110	0	20	mg/kg	11.13.17 11:55	X

Analytical Method: Chloride by EPA 300

Seq Number: 3033246

Parent Sample Id: 568067-021

Matrix: Soil

MS Sample Id: 568067-021 S

Prep Method: E300P

Date Prep: 11.13.17

MSD Sample Id: 568067-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	849	250	1040	76	1030	72	90-110	1	20	mg/kg	11.13.17 13:56	X

Analytical Method: Chloride by EPA 300

Seq Number: 3033246

Parent Sample Id: 568067-029

Matrix: Soil

MS Sample Id: 568067-029 S

Prep Method: E300P

Date Prep: 11.13.17

MSD Sample Id: 568067-029 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	22.3	250	281	103	276	101	90-110	2	20	mg/kg	11.13.17 15:25	

Trinity Oilfield Services & Rentals, LLC
Lost Tank 33 FED 2 SWD

Analytical Method: TPH By SW8015 Mod

Seq Number: 3033117

MB Sample Id: 7634278-1-BLK

Matrix: Solid

LCS Sample Id: 7634278-1-BKS

Prep Method: TX1005P

Date Prep: 11.11.17

LCSD Sample Id: 7634278-1-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	943	94	1010	101	70-135	7	35	mg/kg	11.11.17 16:00	
Diesel Range Organics (DRO)	<15.0	1000	994	99	1040	104	70-135	5	35	mg/kg	11.11.17 16:00	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	99		103		117		70-135	%	11.11.17 16:00			
o-Terphenyl	100		112		101		70-135	%	11.11.17 16:00			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3033118

MB Sample Id: 7634279-1-BLK

Matrix: Solid

LCS Sample Id: 7634279-1-BKS

Prep Method: TX1005P

Date Prep: 11.11.17

LCSD Sample Id: 7634279-1-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	941	94	978	98	70-135	4	35	mg/kg	11.12.17 01:26	
Diesel Range Organics (DRO)	<15.0	1000	986	99	1030	103	70-135	4	35	mg/kg	11.12.17 01:26	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	104		95		98		70-135	%	11.12.17 01:26			
o-Terphenyl	109		95		97		70-135	%	11.12.17 01:26			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3033117

Parent Sample Id: 568067-001

Matrix: Soil

MS Sample Id: 568067-001 S

Prep Method: TX1005P

Date Prep: 11.11.17

MSD Sample Id: 568067-001 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	898	90	895	90	70-135	0	35	mg/kg	11.11.17 16:59	
Diesel Range Organics (DRO)	<15.0	997	907	91	906	91	70-135	0	35	mg/kg	11.11.17 16:59	
Surrogate			MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane			104		96		70-135	%	11.11.17 16:59			
o-Terphenyl			102		100		70-135	%	11.11.17 16:59			

Trinity Oilfield Services & Rentals, LLC
Lost Tank 33 FED 2 SWD

Analytical Method: TPH By SW8015 Mod

Seq Number: 3033118

Parent Sample Id: 568067-021

Matrix: Soil

MS Sample Id: 568067-021 S

Prep Method: TX1005P

Date Prep: 11.11.17

MSD Sample Id: 568067-021 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	999	819	82	914	91	70-135	11	35	mg/kg	11.12.17 02:30	
Diesel Range Organics (DRO)	<15.0	999	877	88	946	95	70-135	8	35	mg/kg	11.12.17 02:30	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	85		90		70-135	%	11.12.17 02:30
o-Terphenyl	85		88		70-135	%	11.12.17 02:30

Analytical Method: BTEX by EPA 8021B

Seq Number: 3033791

MB Sample Id: 7634700-1-BLK

Matrix: Solid

LCS Sample Id: 7634700-1-BKS

Prep Method: SW5030B

Date Prep: 11.17.17

LCSD Sample Id: 7634700-1-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	0.119	119	0.119	118	70-130	0	35	mg/kg	11.17.17 09:25	
Toluene	<0.00201	0.100	0.114	114	0.115	114	70-130	1	35	mg/kg	11.17.17 09:25	
Ethylbenzene	<0.00201	0.100	0.113	113	0.114	113	71-129	1	35	mg/kg	11.17.17 09:25	
m,p-Xylenes	<0.00402	0.201	0.219	109	0.221	109	70-135	1	35	mg/kg	11.17.17 09:25	
o-Xylene	<0.00201	0.100	0.108	108	0.110	109	71-133	2	35	mg/kg	11.17.17 09:25	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		100		94		80-120	%	11.17.17 09:25
4-Bromofluorobenzene	92		97		97		80-120	%	11.17.17 09:25

Analytical Method: BTEX by EPA 8021B

Seq Number: 3033792

MB Sample Id: 7634701-1-BLK

Matrix: Solid

LCS Sample Id: 7634701-1-BKS

Prep Method: SW5030B

Date Prep: 11.17.17

LCSD Sample Id: 7634701-1-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	0.0863	86	0.0867	86	70-130	0	35	mg/kg	11.17.17 21:03	
Toluene	<0.00201	0.100	0.0814	81	0.0811	80	70-130	0	35	mg/kg	11.17.17 21:03	
Ethylbenzene	<0.00201	0.100	0.0776	78	0.0821	81	71-129	6	35	mg/kg	11.17.17 21:03	
m,p-Xylenes	<0.00402	0.201	0.160	80	0.160	79	70-135	0	35	mg/kg	11.17.17 21:03	
o-Xylene	<0.00201	0.100	0.0767	77	0.0795	79	71-133	4	35	mg/kg	11.17.17 21:03	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	109		108		118		80-120	%	11.17.17 21:03
4-Bromofluorobenzene	112		103		117		80-120	%	11.17.17 21:03



Trinity Oilfield Services & Rentals, LLC

Lost Tank 33 FED 2 SWD

Analytical Method: BTEX by EPA 8021B

Seq Number: 3033798

MB Sample Id: 7634703-1-BLK

Matrix: Solid

LCS Sample Id: 7634703-1-BKS

Prep Method: SW5030B

Date Prep: 11.17.17

LCSD Sample Id: 7634703-1-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	0.110	109	0.110	110	70-130	0	35	mg/kg	11.19.17 09:16	
Toluene	<0.00202	0.101	0.105	104	0.101	101	70-130	4	35	mg/kg	11.19.17 09:16	
Ethylbenzene	<0.00202	0.101	0.105	104	0.103	103	71-129	2	35	mg/kg	11.19.17 09:16	
m,p-Xylenes	<0.00403	0.202	0.204	101	0.200	100	70-135	2	35	mg/kg	11.19.17 09:16	
o-Xylene	<0.00202	0.101	0.102	101	0.0985	99	71-133	3	35	mg/kg	11.19.17 09:16	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		99		107		80-120	%	11.19.17 09:16
4-Bromofluorobenzene	89		103		98		80-120	%	11.19.17 09:16

Analytical Method: BTEX by EPA 8021B

Seq Number: 3033791

Parent Sample Id: 568254-001

Matrix: Soil

MS Sample Id: 568254-001 S

Prep Method: SW5030B

Date Prep: 11.17.17

MSD Sample Id: 568254-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.109	108	0.101	101	70-130	8	35	mg/kg	11.17.17 10:04	
Toluene	<0.00202	0.101	0.0945	94	0.0858	86	70-130	10	35	mg/kg	11.17.17 10:04	
Ethylbenzene	<0.00202	0.101	0.0838	83	0.0795	80	71-129	5	35	mg/kg	11.17.17 10:04	
m,p-Xylenes	<0.00403	0.202	0.162	80	0.153	77	70-135	6	35	mg/kg	11.17.17 10:04	
o-Xylene	<0.00202	0.101	0.0802	79	0.0759	76	71-133	6	35	mg/kg	11.17.17 10:04	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		106		80-120	%	11.17.17 10:04
4-Bromofluorobenzene	101		102		80-120	%	11.17.17 10:04

Analytical Method: BTEX by EPA 8021B

Seq Number: 3033792

Parent Sample Id: 568067-016

Matrix: Soil

MS Sample Id: 568067-016 S

Prep Method: SW5030B

Date Prep: 11.17.17

MSD Sample Id: 568067-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00364	0.182	0.127	70	0.140	78	70-130	10	35	mg/kg	11.17.17 21:41	
Toluene	<0.00364	0.182	0.121	66	0.130	73	70-130	7	35	mg/kg	11.17.17 21:41	X
Ethylbenzene	<0.00364	0.182	0.120	66	0.129	72	71-129	7	35	mg/kg	11.17.17 21:41	X
m,p-Xylenes	<0.00727	0.364	0.231	63	0.251	70	70-135	8	35	mg/kg	11.17.17 21:41	X
o-Xylene	<0.00364	0.182	0.117	64	0.126	70	71-133	7	35	mg/kg	11.17.17 21:41	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		107		80-120	%	11.17.17 21:41
4-Bromofluorobenzene	95		100		80-120	%	11.17.17 21:41

Trinity Oilfield Services & Rentals, LLC
Lost Tank 33 FED 2 SWD

Analytical Method: BTEX by EPA 8021B

Seq Number: 3033798

Parent Sample Id: 568424-002

Matrix: Soil

MS Sample Id: 568424-002 S

Prep Method: SW5030B

Date Prep: 11.17.17

MSD Sample Id: 568424-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0955	96	0.0998	100	70-130	4	35	mg/kg	11.19.17 09:54	
Toluene	<0.00200	0.0998	0.0890	89	0.0853	85	70-130	4	35	mg/kg	11.19.17 09:54	
Ethylbenzene	<0.00200	0.0998	0.0864	87	0.0835	84	71-129	3	35	mg/kg	11.19.17 09:54	
m,p-Xylenes	<0.00399	0.200	0.169	85	0.164	82	70-135	3	35	mg/kg	11.19.17 09:54	
o-Xylene	<0.00200	0.0998	0.0831	83	0.0809	81	71-133	3	35	mg/kg	11.19.17 09:54	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		120		80-120	%	11.19.17 09:54
4-Bromofluorobenzene	98		108		80-120	%	11.19.17 09:54



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 4

LAB W.O #:

568067

Field billable Hrs :

* Container Type Codes

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

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

** Preservative Type Codes

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

Run BTEX if TPH <= 5,000

Run BTEX if TPH <= 5,000

Run BTEX if TPH <= 5,000

Run BTEX if TPH <= 5,000

Run BTEX if TPH <= 5,000

Run BTEX if TPH <= 5,000

Run BTEX if TPH <= 5,000

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:	Lost Tank 33 FED 2 SWD	PO#:	
Invoice To:	Oxy - Wade Dittrich (575)390-2828	Quote #:	

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

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field Filtered	Integrity OK (Y/N)	Total # of containers	Example Volatiles by 8260	TPH	8015M	BTEX	Chloride	Hold Sample (CALL) Run PAH on Highest TPH Only
								# Cont	Lab Only:				
1	SP-1 @ 1'	11/6/17	1121	S			1		X				
2	SP-2 @ 1'	11/6/17	1138	S			1		X				
3	SP-2 @ 4'	11/6/17	1147	S			1		X				
4	SP-2 @ 7'	11/6/17	1202	S			1		X				
5	SP-3 @ 1'	11/6/17	1247	S			1		X				
6	SP-3 @ 4'	11/6/17	1301	S			1		X				
7	SP-3 @ 8'	11/6/17	1316	S			1		X				
8	SP-3 @ 14'	11/6/17	1335	S			1		X				
9	SP-4 @ 1'	11/6/17	1355	S			1		X				
0	SP-4 @ 6'	11/6/17	1410	S			1		X				

Reg. Program / Clean-up Std	STATE for Certs & Regs	QA/QC Level & Certification	EDDs	COC & Labels	Coolers Temp °C	Lab Use Only	YES NO 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 11/9/17 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	Trinity	11/9/17	1625	Ben J. Arguijo	MS	11-9-17	
2				Wade Dittrich		11/10	11:50
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
FTS Service Centers: Atlanta 770-449-8800 Lakeland 863-646-8526 Tampa 803-543-8099 Philadelphia 610-955-5649 South Carolina 803-543-80

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

Temp: 3.3
CF: (0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 3.1

IR ID: R-8

and all past due amounts



CHAIN OF CUSTODY RECORD

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

Page 3 of 4

LAB W.O #:

508067

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

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:	Lost Tank 33 FED 2 SWD	PO#:	
Invoice To:	Oxy - Wade Dittrich (575)390-2828	Quote #:	
Sampler Name:	Duskie Bennett	Circle One Event:	Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field Filtered	Integrity OK (Y/N)	Total # of containers	Example Volatiles by 8260	TPH	BTEX	Chloride	Hold Sample (CALL) on Highest TPH	Run PAH Only
1	FP-4 @ 8'	11/7/17	1117	S			1		X				
2	FP-5 @ 1'	11/7/17	1136	S			1		X				
3	FP-5 @ 4'	11/7/17	1147	S			1		X				
4	FP-5 @ 14'	11/7/17	1221	S			1		X				
5	FP-5 @ 18'	11/7/17	1235	S			1		X				
6	FP-6 @ 1'	11/7/17	1248	S			1		X				
7	FP-6 @ 10'	11/7/17	1320	S			1		X				
8	FP-6 @ 14'	11/7/17	1335	S			1		X				
9	SP-6 @ 1'	11/7/17	1350	S			1		X				
0	SP-6 @ 2'	11/7/17	1355	S			1		X				

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 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100	Non-Conformances found? Samples intact upon arrival? Received on Wet Ice? Labeled with proper preservatives? Received within holding time? Custody seals intact? VOCs rec'd w/o headspace? Proper containers used? pH verified-acceptable, excd VOCs? Received on time to meet HTs?	
Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
Duskie Bennett	Trinity	11/9/17	1605	Ben J. Arguijo	MS	11-9-17	11:50

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 602-955-5649
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. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full.

Temp: 3.3
CF:(0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 3.1

IR ID:R-8

all past due amounts



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 11/10/2017 04:25:00 PM

Work Order #: 568067

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	3.1
#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)?	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:

Connie Hernandez

Date: 11/10/2017

Checklist reviewed by:

Holly Taylor

Date: 11/10/2017



Certificate of Analysis Summary 569304

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Lost Tank 33 Fed 2 SWD



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs

Date Received in Lab: Wed Nov-22-17 03:01 pm

Report Date: 11-DEC-17

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	569304-001	569304-002	569304-003	569304-004	569304-005	569304-006
	<i>Field Id:</i>	SP8 @ 6"	SP8 @ 3'	SP8 @ 4'	SP8 @ 7'	SP8 @ 8'	SP8 @ 10'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Nov-21-17 10:50	Nov-21-17 11:40	Nov-21-17 11:50	Nov-21-17 12:40	Nov-21-17 12:50	Nov-21-17 13:10
BTEX by EPA 8021B	<i>Extracted:</i>	Dec-04-17 11:20	Dec-04-17 11:20	Dec-04-17 11:20	Dec-04-17 11:20	Dec-04-17 11:20	Dec-04-17 16:00
	<i>Analyzed:</i>	Dec-05-17 00:43	Dec-05-17 01:02	Dec-05-17 01:21	Dec-05-17 01:40	Dec-05-17 01:59	Dec-05-17 07:26
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.0100 0.0100	<0.0100 0.0100	<0.0100 0.0100	<0.0100 0.0100	<0.0100 0.0100	<0.00199 0.00199
Toluene		<0.0100 0.0100	<0.0100 0.0100	<0.0100 0.0100	<0.0100 0.0100	<0.0100 0.0100	<0.00199 0.00199
Ethylbenzene		0.0238 0.0100	<0.0100 0.0100	<0.0100 0.0100	<0.0100 0.0100	<0.0100 0.0100	<0.00199 0.00199
m,p-Xylenes		0.106 0.0200	<0.0200 0.0200	<0.0200 0.0200	<0.0200 0.0200	<0.0200 0.0200	<0.00398 0.00398
o-Xylene		0.0371 0.0100	<0.0100 0.0100	<0.0100 0.0100	<0.0100 0.0100	<0.0100 0.0100	<0.00199 0.00199
Total Xylenes		0.143 0.0100	<0.0100 0.0100	<0.0100 0.0100	<0.0100 0.0100	<0.0100 0.0100	<0.00199 0.00199
Total BTEX		0.167 0.0100	<0.0100 0.0100	<0.0100 0.0100	<0.0100 0.0100	<0.0100 0.0100	<0.00199 0.00199
Chloride by EPA 300	<i>Extracted:</i>	Dec-01-17 11:00	Dec-01-17 11:00	Dec-01-17 11:00	Dec-01-17 11:00	Dec-01-17 13:00	Dec-01-17 13:00
	<i>Analyzed:</i>	Dec-01-17 16:08	Dec-01-17 16:14	Dec-01-17 16:20	Dec-01-17 16:26	Dec-01-17 17:37	Dec-01-17 17:19
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		17400 99.2	536 4.96	1280 4.90	282 4.91	4680 24.6	1080 4.96
TPH By SW8015 Mod	<i>Extracted:</i>	Nov-29-17 16:00	Nov-29-17 16:00	Nov-29-17 16:00	Nov-29-17 16:00	Nov-29-17 16:00	Nov-29-17 16:00
	<i>Analyzed:</i>	Nov-29-17 23:20	Nov-30-17 00:30	Nov-30-17 00:53	Nov-30-17 01:14	Nov-30-17 01:37	Nov-30-17 02:00
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		22.5 15.0	<14.9 14.9	<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0
Diesel Range Organics (DRO)		262 15.0	75.3 14.9	32.5 14.9	<15.0 15.0	<15.0 15.0	36.9 15.0
Oil Range Hydrocarbons (ORO)		64.5 15.0	<14.9 14.9	<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0
Total TPH		349 15.0	75.3 14.9	32.5 14.9	<15.0 15.0	<15.0 15.0	36.9 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 569304

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Lost Tank 33 Fed 2 SWD



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs

Date Received in Lab: Wed Nov-22-17 03:01 pm

Report Date: 11-DEC-17

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	569304-007	569304-008	569304-009	569304-010	569304-011	569304-012
	<i>Field Id:</i>	SP8 @ 12'	SP8 @ 13'	SP9 @ 6"	SP9 @ 5'	SP9 @ 10'	SP9 @ 13'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Nov-21-17 13:31	Nov-21-17 13:38	Nov-21-17 14:00	Nov-21-17 14:28	Nov-21-17 14:50	Nov-21-17 15:06
BTEX by EPA 8021B	<i>Extracted:</i>	Dec-04-17 16:00	Dec-04-17 16:00	Dec-04-17 16:00	Dec-04-17 16:00	Dec-04-17 16:00	Dec-04-17 16:00
	<i>Analyzed:</i>	Dec-05-17 07:45	Dec-05-17 08:04	Dec-05-17 08:23	Dec-05-17 08:42	Dec-05-17 09:01	Dec-05-17 09:20
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00202 0.00202	0.00226 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202
Toluene		<0.00200 0.00200	<0.00202 0.00202	0.0196 0.00200	<0.00199 0.00199	<0.00198 0.00198	<0.00202 0.00202
Ethylbenzene		<0.00200 0.00200	<0.00202 0.00202	0.00821 0.00200	0.00435 0.00199	<0.00198 0.00198	<0.00202 0.00202
m,p-Xylenes		<0.00399 0.00399	<0.00403 0.00403	0.0319 0.00401	0.00827 0.00398	<0.00396 0.00396	0.00495 0.00404
o-Xylene		<0.00200 0.00200	<0.00202 0.00202	0.0117 0.00200	0.00809 0.00199	0.00211 0.00198	0.00294 0.00202
Total Xylenes		<0.00200 0.00200	<0.00202 0.00202	0.0436 0.00200	0.0164 0.00199	0.00211 0.00198	0.00789 0.00202
Total BTEX		<0.00200 0.00200	<0.00202 0.00202	0.0737 0.00200	0.0207 0.00199	0.00211 0.00198	0.00789 0.00202
Chloride by EPA 300	<i>Extracted:</i>	Dec-01-17 13:00	Dec-01-17 13:00	Dec-01-17 13:00	Dec-01-17 13:00	Dec-01-17 13:00	Dec-01-17 13:00
	<i>Analyzed:</i>	Dec-01-17 17:43	Dec-01-17 17:49	Dec-01-17 17:54	Dec-01-17 18:12	Dec-01-17 18:18	Dec-01-17 18:24
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		486 4.93	465 4.92	21500 246	2290 24.7	475 4.96	3530 24.9
TPH By SW8015 Mod	<i>Extracted:</i>	Nov-29-17 16:00	Nov-29-17 16:00	Nov-29-17 16:00	Nov-29-17 16:00	Nov-29-17 16:00	Nov-29-17 16:00
	<i>Analyzed:</i>	Nov-30-17 02:23	Nov-30-17 02:46	Nov-30-17 03:09	Nov-30-17 03:32	Nov-30-17 04:42	Nov-30-17 05:05
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	95.0 15.0	19.3 15.0	<15.0 15.0	<15.0 15.0
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	3330 15.0	568 15.0	277 15.0	368 15.0
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	743 15.0	116 15.0	65.0 15.0	82.2 15.0
Total TPH		<15.0 15.0	<15.0 15.0	4170 15.0	703 15.0	342 15.0	450 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 569304
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Lost Tank 33 Fed 2 SWD

11-DEC-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)



11-DEC-17

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

Reference: XENCO Report No(s): **569304**
Lost Tank 33 Fed 2 SWD
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) 569304. 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. 569304 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 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP8 @ 6"	S	11-21-17 10:50		569304-001
SP8 @ 3'	S	11-21-17 11:40		569304-002
SP8 @ 4'	S	11-21-17 11:50		569304-003
SP8 @ 7'	S	11-21-17 12:40		569304-004
SP8 @ 8'	S	11-21-17 12:50		569304-005
SP8 @ 10'	S	11-21-17 13:10		569304-006
SP8 @ 12'	S	11-21-17 13:31		569304-007
SP8 @ 13'	S	11-21-17 13:38		569304-008
SP9 @ 6"	S	11-21-17 14:00		569304-009
SP9 @ 5'	S	11-21-17 14:28		569304-010
SP9 @ 10'	S	11-21-17 14:50		569304-011
SP9 @ 13'	S	11-21-17 15:06		569304-012



CASE NARRATIVE

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

Project Name: *Lost Tank 33 Fed 2 SWD*

Project ID:
Work Order Number(s): 569304

Report Date: 11-DEC-17
Date Received: 11/22/2017

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3034798 Inorganic Anions by EPA 300

Lab Sample ID 569305-003 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: 569304-005, -006, -007, -008, -009, -010, -011, -012.

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

Batch: LBA-3034937 BTEX by EPA 8021B

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

Batch: LBA-3035071 BTEX by EPA 8021B

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



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP8 @ 6"**

Matrix: Soil

Date Received: 11.22.17 15.01

Lab Sample Id: 569304-001

Date Collected: 11.21.17 10.50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.01.17 11.00

Basis: Wet Weight

Seq Number: 3034777

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	17400	99.2	mg/kg	12.01.17 16.08		20

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.29.17 16.00

Basis: Wet Weight

Seq Number: 3034587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	22.5	15.0	mg/kg	11.29.17 23.20		1
Diesel Range Organics (DRO)	C10C28DRO	262	15.0	mg/kg	11.29.17 23.20		1
Oil Range Hydrocarbons (ORO)	PHCG2835	64.5	15.0	mg/kg	11.29.17 23.20		1
Total TPH	PHC635	349	15.0	mg/kg	11.29.17 23.20		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	11.29.17 23.20	
o-Terphenyl	84-15-1	93	%	70-135	11.29.17 23.20	



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP8 @ 6"**

Matrix: Soil

Date Received: 11.22.17 15.01

Lab Sample Id: 569304-001

Date Collected: 11.21.17 10.50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.04.17 11.20

Basis: Wet Weight

Seq Number: 3034937

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0100	0.0100	mg/kg	12.05.17 00.43	U	1
Toluene	108-88-3	<0.0100	0.0100	mg/kg	12.05.17 00.43	U	1
Ethylbenzene	100-41-4	0.0238	0.0100	mg/kg	12.05.17 00.43		1
m,p-Xylenes	179601-23-1	0.106	0.0200	mg/kg	12.05.17 00.43		1
o-Xylene	95-47-6	0.0371	0.0100	mg/kg	12.05.17 00.43		1
Total Xylenes	1330-20-7	0.143	0.0100	mg/kg	12.05.17 00.43		1
Total BTEX		0.167	0.0100	mg/kg	12.05.17 00.43		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	103		%	80-120	12.05.17 00.43	
1,4-Difluorobenzene	540-36-3	87		%	80-120	12.05.17 00.43	



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP8 @ 3'**
Lab Sample Id: 569304-002

Matrix: Soil
Date Collected: 11.21.17 11.40

Date Received: 11.22.17 15.01

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3034777

Prep Method: E300P

% Moisture:

Date Prep: 12.01.17 11.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	536	4.96	mg/kg	12.01.17 16.14		1

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3034587

Prep Method: TX1005P

% Moisture:

Date Prep: 11.29.17 16.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	11.30.17 00.30	U	1
Diesel Range Organics (DRO)	C10C28DRO	75.3	14.9	mg/kg	11.30.17 00.30		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	11.30.17 00.30	U	1
Total TPH	PHC635	75.3	14.9	mg/kg	11.30.17 00.30		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	11.30.17 00.30	
o-Terphenyl	84-15-1	92	%	70-135	11.30.17 00.30	



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP8 @ 3'**

Matrix: Soil

Date Received: 11.22.17 15.01

Lab Sample Id: 569304-002

Date Collected: 11.21.17 11.40

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.04.17 11.20

Basis: Wet Weight

Seq Number: 3034937

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0100	0.0100	mg/kg	12.05.17 01.02	U	1
Toluene	108-88-3	<0.0100	0.0100	mg/kg	12.05.17 01.02	U	1
Ethylbenzene	100-41-4	<0.0100	0.0100	mg/kg	12.05.17 01.02	U	1
m,p-Xylenes	179601-23-1	<0.0200	0.0200	mg/kg	12.05.17 01.02	U	1
o-Xylene	95-47-6	<0.0100	0.0100	mg/kg	12.05.17 01.02	U	1
Total Xylenes	1330-20-7	<0.0100	0.0100	mg/kg	12.05.17 01.02	U	1
Total BTEX		<0.0100	0.0100	mg/kg	12.05.17 01.02	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	86	%	80-120	12.05.17 01.02		
4-Bromofluorobenzene	460-00-4	89	%	80-120	12.05.17 01.02		



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP8 @ 4'**
Lab Sample Id: 569304-003

Matrix: Soil
Date Collected: 11.21.17 11.50

Date Received: 11.22.17 15.01

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3034777

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Date Prep: 12.01.17 11.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1280	4.90	mg/kg	12.01.17 16.20		1

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3034587

Prep Method: TX1005P

% Moisture:

Basis: Wet Weight

Date Prep: 11.29.17 16.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	11.30.17 00.53	U	1
Diesel Range Organics (DRO)	C10C28DRO	32.5	14.9	mg/kg	11.30.17 00.53		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	11.30.17 00.53	U	1
Total TPH	PHC635	32.5	14.9	mg/kg	11.30.17 00.53		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	88	%	70-135	11.30.17 00.53		
o-Terphenyl	84-15-1	92	%	70-135	11.30.17 00.53		



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP8 @ 4'**
Lab Sample Id: 569304-003

Matrix: Soil
Date Collected: 11.21.17 11.50

Date Received: 11.22.17 15.01

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.04.17 11.20

Basis: Wet Weight

Seq Number: 3034937

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0100	0.0100	mg/kg	12.05.17 01.21	U	1
Toluene	108-88-3	<0.0100	0.0100	mg/kg	12.05.17 01.21	U	1
Ethylbenzene	100-41-4	<0.0100	0.0100	mg/kg	12.05.17 01.21	U	1
m,p-Xylenes	179601-23-1	<0.0200	0.0200	mg/kg	12.05.17 01.21	U	1
o-Xylene	95-47-6	<0.0100	0.0100	mg/kg	12.05.17 01.21	U	1
Total Xylenes	1330-20-7	<0.0100	0.0100	mg/kg	12.05.17 01.21	U	1
Total BTEX		<0.0100	0.0100	mg/kg	12.05.17 01.21	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	85	%	80-120	12.05.17 01.21		
4-Bromofluorobenzene	460-00-4	87	%	80-120	12.05.17 01.21		



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP8 @ 7'**
Lab Sample Id: 569304-004

Matrix: Soil
Date Collected: 11.21.17 12.40

Date Received: 11.22.17 15.01

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3034777

Prep Method: E300P

% Moisture:

Date Prep: 12.01.17 11.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	282	4.91	mg/kg	12.01.17 16.26		1

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3034587

Prep Method: TX1005P

% Moisture:

Date Prep: 11.29.17 16.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.30.17 01.14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.30.17 01.14	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.30.17 01.14	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.30.17 01.14	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	93	%	70-135	11.30.17 01.14		
o-Terphenyl	84-15-1	95	%	70-135	11.30.17 01.14		



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP8 @ 7'**
Lab Sample Id: 569304-004

Matrix: Soil
Date Collected: 11.21.17 12.40

Date Received: 11.22.17 15.01

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.04.17 11.20

Basis: Wet Weight

Seq Number: 3034937

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0100	0.0100	mg/kg	12.05.17 01.40	U	1
Toluene	108-88-3	<0.0100	0.0100	mg/kg	12.05.17 01.40	U	1
Ethylbenzene	100-41-4	<0.0100	0.0100	mg/kg	12.05.17 01.40	U	1
m,p-Xylenes	179601-23-1	<0.0200	0.0200	mg/kg	12.05.17 01.40	U	1
o-Xylene	95-47-6	<0.0100	0.0100	mg/kg	12.05.17 01.40	U	1
Total Xylenes	1330-20-7	<0.0100	0.0100	mg/kg	12.05.17 01.40	U	1
Total BTEX		<0.0100	0.0100	mg/kg	12.05.17 01.40	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	86	%	80-120	12.05.17 01.40		
1,4-Difluorobenzene	540-36-3	88	%	80-120	12.05.17 01.40		



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP8 @ 8'**
Lab Sample Id: 569304-005

Matrix: Soil
Date Collected: 11.21.17 12.50

Date Received: 11.22.17 15.01

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3034798

Prep Method: E300P

% Moisture:

Date Prep: 12.01.17 13.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4680	24.6	mg/kg	12.01.17 17.37		5

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3034587

Prep Method: TX1005P

% Moisture:

Date Prep: 11.29.17 16.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.30.17 01.37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.30.17 01.37	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.30.17 01.37	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.30.17 01.37	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	87	%	70-135	11.30.17 01.37		
o-Terphenyl	84-15-1	91	%	70-135	11.30.17 01.37		



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP8 @ 8'**
Lab Sample Id: 569304-005

Matrix: Soil
Date Collected: 11.21.17 12.50

Date Received: 11.22.17 15.01

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.04.17 11.20

Basis: Wet Weight

Seq Number: 3034937

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0100	0.0100	mg/kg	12.05.17 01.59	U	1
Toluene	108-88-3	<0.0100	0.0100	mg/kg	12.05.17 01.59	U	1
Ethylbenzene	100-41-4	<0.0100	0.0100	mg/kg	12.05.17 01.59	U	1
m,p-Xylenes	179601-23-1	<0.0200	0.0200	mg/kg	12.05.17 01.59	U	1
o-Xylene	95-47-6	<0.0100	0.0100	mg/kg	12.05.17 01.59	U	1
Total Xylenes	1330-20-7	<0.0100	0.0100	mg/kg	12.05.17 01.59	U	1
Total BTEX		<0.0100	0.0100	mg/kg	12.05.17 01.59	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	89	%	80-120	12.05.17 01.59		
1,4-Difluorobenzene	540-36-3	93	%	80-120	12.05.17 01.59		



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP8 @ 10'**

Matrix: Soil

Date Received: 11.22.17 15.01

Lab Sample Id: 569304-006

Date Collected: 11.21.17 13.10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.01.17 13.00

Basis: Wet Weight

Seq Number: 3034798

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1080	4.96	mg/kg	12.01.17 17.19		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.29.17 16.00

Basis: Wet Weight

Seq Number: 3034587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.30.17 02.00	U	1
Diesel Range Organics (DRO)	C10C28DRO	36.9	15.0	mg/kg	11.30.17 02.00		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.30.17 02.00	U	1
Total TPH	PHC635	36.9	15.0	mg/kg	11.30.17 02.00		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	86	%	70-135	11.30.17 02.00	
o-Terphenyl	84-15-1	91	%	70-135	11.30.17 02.00	



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP8 @ 10'**

Matrix: Soil

Date Received: 11.22.17 15.01

Lab Sample Id: 569304-006

Date Collected: 11.21.17 13.10

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.04.17 16.00

Basis: Wet Weight

Seq Number: 3035071

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.05.17 07.26	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.05.17 07.26	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.05.17 07.26	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.05.17 07.26	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.05.17 07.26	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.05.17 07.26	U	1
Total BTEX		<0.00199	0.00199	mg/kg	12.05.17 07.26	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	92	%	80-120	12.05.17 07.26		
4-Bromofluorobenzene	460-00-4	87	%	80-120	12.05.17 07.26		



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP8 @ 12'**

Matrix: Soil

Date Received: 11.22.17 15.01

Lab Sample Id: 569304-007

Date Collected: 11.21.17 13.31

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.01.17 13.00

Basis: Wet Weight

Seq Number: 3034798

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	486	4.93	mg/kg	12.01.17 17.43		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.29.17 16.00

Basis: Wet Weight

Seq Number: 3034587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.30.17 02.23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.30.17 02.23	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.30.17 02.23	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.30.17 02.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	11.30.17 02.23	
o-Terphenyl	84-15-1	91	%	70-135	11.30.17 02.23	



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: SP8 @ 12'

Matrix: Soil

Date Received: 11.22.17 15.01

Lab Sample Id: 569304-007

Date Collected: 11.21.17 13.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.04.17 16.00

Basis: Wet Weight

Seq Number: 3035071

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.05.17 07.45	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.05.17 07.45	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.05.17 07.45	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.05.17 07.45	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.05.17 07.45	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.05.17 07.45	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.05.17 07.45	U	1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	88		%	80-120	12.05.17 07.45	
1,4-Difluorobenzene	540-36-3	91		%	80-120	12.05.17 07.45	



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: SP8 @ 13'

Matrix: Soil

Date Received: 11.22.17 15.01

Lab Sample Id: 569304-008

Date Collected: 11.21.17 13.38

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.01.17 13.00

Basis: Wet Weight

Seq Number: 3034798

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	465	4.92	mg/kg	12.01.17 17.49		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.29.17 16.00

Basis: Wet Weight

Seq Number: 3034587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.30.17 02.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	11.30.17 02.46	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	11.30.17 02.46	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	11.30.17 02.46	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	88	%	70-135	11.30.17 02.46		
o-Terphenyl	84-15-1	88	%	70-135	11.30.17 02.46		



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP8 @ 13'**

Matrix: Soil

Date Received: 11.22.17 15.01

Lab Sample Id: 569304-008

Date Collected: 11.21.17 13.38

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.04.17 16.00

Basis: Wet Weight

Seq Number: 3035071

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.05.17 08.04	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.05.17 08.04	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.05.17 08.04	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	12.05.17 08.04	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.05.17 08.04	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	12.05.17 08.04	U	1
Total BTEX		<0.00202	0.00202	mg/kg	12.05.17 08.04	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	91	%	80-120	12.05.17 08.04		
4-Bromofluorobenzene	460-00-4	90	%	80-120	12.05.17 08.04		



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP9 @ 6"**

Matrix: Soil

Date Received: 11.22.17 15.01

Lab Sample Id: 569304-009

Date Collected: 11.21.17 14.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.01.17 13.00

Basis: Wet Weight

Seq Number: 3034798

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	21500	246	mg/kg	12.01.17 17.54		50

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.29.17 16.00

Basis: Wet Weight

Seq Number: 3034587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	95.0	15.0	mg/kg	11.30.17 03.09		1
Diesel Range Organics (DRO)	C10C28DRO	3330	15.0	mg/kg	11.30.17 03.09		1
Oil Range Hydrocarbons (ORO)	PHCG2835	743	15.0	mg/kg	11.30.17 03.09		1
Total TPH	PHC635	4170	15.0	mg/kg	11.30.17 03.09		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	11.30.17 03.09	
o-Terphenyl	84-15-1	85	%	70-135	11.30.17 03.09	



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP9 @ 6"**

Matrix: Soil

Date Received: 11.22.17 15.01

Lab Sample Id: 569304-009

Date Collected: 11.21.17 14.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.04.17 16.00

Basis: Wet Weight

Seq Number: 3035071

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	0.00226	0.00200	mg/kg	12.05.17 08.23		1
Toluene	108-88-3	0.0196	0.00200	mg/kg	12.05.17 08.23		1
Ethylbenzene	100-41-4	0.00821	0.00200	mg/kg	12.05.17 08.23		1
m,p-Xylenes	179601-23-1	0.0319	0.00401	mg/kg	12.05.17 08.23		1
o-Xylene	95-47-6	0.0117	0.00200	mg/kg	12.05.17 08.23		1
Total Xylenes	1330-20-7	0.0436	0.00200	mg/kg	12.05.17 08.23		1
Total BTEX		0.0737	0.00200	mg/kg	12.05.17 08.23		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	104	%	80-120	12.05.17 08.23		
1,4-Difluorobenzene	540-36-3	81	%	80-120	12.05.17 08.23		



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP9 @ 5'**
Lab Sample Id: 569304-010

Matrix: Soil
Date Collected: 11.21.17 14.28

Date Received: 11.22.17 15.01

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3034798

Prep Method: E300P

% Moisture:

Date Prep: 12.01.17 13.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2290	24.7	mg/kg	12.01.17 18.12		5

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3034587

Prep Method: TX1005P

% Moisture:

Date Prep: 11.29.17 16.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	19.3	15.0	mg/kg	11.30.17 03.32		1
Diesel Range Organics (DRO)	C10C28DRO	568	15.0	mg/kg	11.30.17 03.32		1
Oil Range Hydrocarbons (ORO)	PHCG2835	116	15.0	mg/kg	11.30.17 03.32		1
Total TPH	PHC635	703	15.0	mg/kg	11.30.17 03.32		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	85	%	70-135	11.30.17 03.32		
o-Terphenyl	84-15-1	91	%	70-135	11.30.17 03.32		



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP9 @ 5'**

Matrix: Soil

Date Received: 11.22.17 15.01

Lab Sample Id: 569304-010

Date Collected: 11.21.17 14.28

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.04.17 16.00

Basis: Wet Weight

Seq Number: 3035071

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.05.17 08.42	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.05.17 08.42	U	1
Ethylbenzene	100-41-4	0.00435	0.00199	mg/kg	12.05.17 08.42		1
m,p-Xylenes	179601-23-1	0.00827	0.00398	mg/kg	12.05.17 08.42		1
o-Xylene	95-47-6	0.00809	0.00199	mg/kg	12.05.17 08.42		1
Total Xylenes	1330-20-7	0.0164	0.00199	mg/kg	12.05.17 08.42		1
Total BTEX		0.0207	0.00199	mg/kg	12.05.17 08.42		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94		%	80-120	12.05.17 08.42	
1,4-Difluorobenzene	540-36-3	89		%	80-120	12.05.17 08.42	



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP9 @ 10'**

Matrix: Soil

Date Received: 11.22.17 15.01

Lab Sample Id: 569304-011

Date Collected: 11.21.17 14.50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.01.17 13.00

Basis: Wet Weight

Seq Number: 3034798

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	475	4.96	mg/kg	12.01.17 18.18		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.29.17 16.00

Basis: Wet Weight

Seq Number: 3034587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.30.17 04.42	U	1
Diesel Range Organics (DRO)	C10C28DRO	277	15.0	mg/kg	11.30.17 04.42		1
Oil Range Hydrocarbons (ORO)	PHCG2835	65.0	15.0	mg/kg	11.30.17 04.42		1
Total TPH	PHC635	342	15.0	mg/kg	11.30.17 04.42		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	11.30.17 04.42	
o-Terphenyl	84-15-1	92	%	70-135	11.30.17 04.42	



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP9 @ 10'**

Matrix: Soil

Date Received: 11.22.17 15.01

Lab Sample Id: 569304-011

Date Collected: 11.21.17 14.50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.04.17 16.00

Basis: Wet Weight

Seq Number: 3035071

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	12.05.17 09.01	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.05.17 09.01	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.05.17 09.01	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	12.05.17 09.01	U	1
o-Xylene	95-47-6	0.00211	0.00198	mg/kg	12.05.17 09.01		1
Total Xylenes	1330-20-7	0.00211	0.00198	mg/kg	12.05.17 09.01		1
Total BTEX		0.00211	0.00198	mg/kg	12.05.17 09.01		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	88	%	80-120	12.05.17 09.01		
1,4-Difluorobenzene	540-36-3	83	%	80-120	12.05.17 09.01		



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP9 @ 13'**

Matrix: Soil

Date Received: 11.22.17 15.01

Lab Sample Id: 569304-012

Date Collected: 11.21.17 15.06

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.01.17 13.00

Basis: Wet Weight

Seq Number: 3034798

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3530	24.9	mg/kg	12.01.17 18.24		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 11.29.17 16.00

Basis: Wet Weight

Seq Number: 3034587

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	11.30.17 05.05	U	1
Diesel Range Organics (DRO)	C10C28DRO	368	15.0	mg/kg	11.30.17 05.05		1
Oil Range Hydrocarbons (ORO)	PHCG2835	82.2	15.0	mg/kg	11.30.17 05.05		1
Total TPH	PHC635	450	15.0	mg/kg	11.30.17 05.05		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	11.30.17 05.05	
o-Terphenyl	84-15-1	98	%	70-135	11.30.17 05.05	



Certificate of Analytical Results 569304



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP9 @ 13'**

Matrix: Soil

Date Received: 11.22.17 15.01

Lab Sample Id: 569304-012

Date Collected: 11.21.17 15.06

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.04.17 16.00

Basis: Wet Weight

Seq Number: 3035071

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.05.17 09.20	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.05.17 09.20	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.05.17 09.20	U	1
m,p-Xylenes	179601-23-1	0.00495	0.00404	mg/kg	12.05.17 09.20		1
o-Xylene	95-47-6	0.00294	0.00202	mg/kg	12.05.17 09.20		1
Total Xylenes	1330-20-7	0.00789	0.00202	mg/kg	12.05.17 09.20		1
Total BTEX		0.00789	0.00202	mg/kg	12.05.17 09.20		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	86		%	80-120	12.05.17 09.20	
4-Bromofluorobenzene	460-00-4	90		%	80-120	12.05.17 09.20	

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

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

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

Certified and approved by numerous States and Agencies.

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

Houston - Dallas - San Antonio - Atlanta - Midland/Odessa - Tampa/Lakeland - Phoenix - Latin America

4147 Greenbriar Dr, Stafford, TX 77477
 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
Lost Tank 33 Fed 2 SWD

Analytical Method: Chloride by EPA 300

Seq Number: 3034777

MB Sample Id: 7635270-1-BLK

Matrix: Solid

LCS Sample Id: 7635270-1-BKS

Prep Method: E300P

Date Prep: 12.01.17

LCSD Sample Id: 7635270-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	254	102	259	104	90-110	2	20	mg/kg	12.01.17 13:46	

Analytical Method: Chloride by EPA 300

Seq Number: 3034778

MB Sample Id: 7635271-1-BLK

Matrix: Solid

LCS Sample Id: 7635271-1-BKS

Prep Method: E300P

Date Prep: 12.01.17

LCSD Sample Id: 7635271-1-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	255	102	247	99	90-110	3	20	mg/kg	12.01.17 17:07	

Analytical Method: Chloride by EPA 300

Seq Number: 3034777

Parent Sample Id: 568958-047

Matrix: Soil

MS Sample Id: 568958-047 S

Prep Method: E300P

Date Prep: 12.01.17

MSD Sample Id: 568958-047 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	476	265	696	83	685	79	90-110	2	20	mg/kg	12.01.17 14:03	X

Analytical Method: Chloride by EPA 300

Seq Number: 3034777

Parent Sample Id: 568958-062

Matrix: Soil

MS Sample Id: 568958-062 S

Prep Method: E300P

Date Prep: 12.01.17

MSD Sample Id: 568958-062 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	693	280	881	67	900	74	90-110	2	20	mg/kg	12.01.17 15:26	X

Analytical Method: Chloride by EPA 300

Seq Number: 3034798

Parent Sample Id: 569304-006

Matrix: Soil

MS Sample Id: 569304-006 S

Prep Method: E300P

Date Prep: 12.01.17

MSD Sample Id: 569304-006 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	1270	77	90-110	1	20	mg/kg	12.01.17 17:25	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
Lost Tank 33 Fed 2 SWD

Analytical Method: Chloride by EPA 300

Seq Number: 3034798

Parent Sample Id: 569305-003

Matrix: Soil

MS Sample Id: 569305-003 S

Prep Method: E300P

Date Prep: 12.01.17

MSD Sample Id: 569305-003 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	276	110	275	110	90-110	0	20	mg/kg	12.01.17 18:48	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3034587

MB Sample Id: 7635166-1-BLK

Matrix: Solid

LCS Sample Id: 7635166-1-BKS

Prep Method: TX1005P

Date Prep: 11.29.17

LCSD Sample Id: 7635166-1-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	910	91	891	89	70-135	2	35	mg/kg	11.29.17 22:34	
Diesel Range Organics (DRO)	<15.0	1000	1010	101	1000	100	70-135	1	35	mg/kg	11.29.17 22:34	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	89		94		83		70-135	%	11.29.17 22:34
o-Terphenyl	97		96		87		70-135	%	11.29.17 22:34

Analytical Method: TPH By SW8015 Mod

Seq Number: 3034587

Parent Sample Id: 569304-001

Matrix: Soil

MS Sample Id: 569304-001 S

Prep Method: TX1005P

Date Prep: 11.29.17

MSD Sample Id: 569304-001 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)	22.5	999	934	91	974	95	70-135	4	35	mg/kg	11.29.17 23:43	
Diesel Range Organics (DRO)	262	999	1200	94	1220	96	70-135	2	35	mg/kg	11.29.17 23:43	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	93		95		70-135	%	11.29.17 23:43
o-Terphenyl	85		91		70-135	%	11.29.17 23:43

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
Lost Tank 33 Fed 2 SWD

Analytical Method: BTEX by EPA 8021B

Seq Number: 3034937

MB Sample Id: 7635396-1-BLK

Matrix: Solid

LCS Sample Id: 7635396-1-BKS

Prep Method: SW5030B

Date Prep: 12.04.17

LCSD Sample Id: 7635396-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.0100	0.500	0.566	113	0.558	112	70-130	1	35	mg/kg	12.04.17 17:15	
Toluene	<0.0100	0.500	0.526	105	0.527	105	70-130	0	35	mg/kg	12.04.17 17:15	
Ethylbenzene	<0.0100	0.500	0.506	101	0.503	101	71-129	1	35	mg/kg	12.04.17 17:15	
m,p-Xylenes	<0.0200	1.00	0.976	98	0.966	97	70-135	1	35	mg/kg	12.04.17 17:15	
o-Xylene	<0.0100	0.500	0.475	95	0.474	95	71-133	0	35	mg/kg	12.04.17 17:15	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	89		95		95		80-120	%	12.04.17 17:15
4-Bromofluorobenzene	81		89		95		80-120	%	12.04.17 17:15

Analytical Method: BTEX by EPA 8021B

Seq Number: 3035071

MB Sample Id: 7635477-1-BLK

Matrix: Solid

LCS Sample Id: 7635477-1-BKS

Prep Method: SW5030B

Date Prep: 12.04.17

LCSD Sample Id: 7635477-1-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	0.108	107	0.108	107	70-130	0	35	mg/kg	12.05.17 02:37	
Toluene	<0.00202	0.101	0.101	100	0.101	100	70-130	0	35	mg/kg	12.05.17 02:37	
Ethylbenzene	<0.00202	0.101	0.0961	95	0.0968	96	71-129	1	35	mg/kg	12.05.17 02:37	
m,p-Xylenes	<0.00404	0.202	0.185	92	0.186	93	70-135	1	35	mg/kg	12.05.17 02:37	
o-Xylene	<0.00202	0.101	0.0912	90	0.0910	90	71-133	0	35	mg/kg	12.05.17 02:37	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	93		94		95		80-120	%	12.05.17 02:37
4-Bromofluorobenzene	87		97		93		80-120	%	12.05.17 02:37

Analytical Method: BTEX by EPA 8021B

Seq Number: 3034937

Parent Sample Id: 569997-011

Matrix: Soil

MS Sample Id: 569997-011 S

Prep Method: SW5030B

Date Prep: 12.04.17

MSD Sample Id: 569997-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.0100	0.500	0.474	95	0.487	97	70-130	3	35	mg/kg	12.04.17 17:53	
Toluene	<0.0100	0.500	0.422	84	0.421	84	70-130	0	35	mg/kg	12.04.17 17:53	
Ethylbenzene	<0.0100	0.500	0.379	76	0.368	74	71-129	3	35	mg/kg	12.04.17 17:53	
m,p-Xylenes	<0.0200	1.00	0.719	72	0.712	71	70-135	1	35	mg/kg	12.04.17 17:53	
o-Xylene	<0.0100	0.500	0.356	71	0.351	70	71-133	1	35	mg/kg	12.04.17 17:53	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		96		80-120	%	12.04.17 17:53
4-Bromofluorobenzene	95		95		80-120	%	12.04.17 17:53

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

Lost Tank 33 Fed 2 SWD

Analytical Method: BTEX by EPA 8021B

Seq Number: 3035071

Parent Sample Id: 569794-001

Matrix: Soil

MS Sample Id: 569794-001 S

Prep Method: SW5030B

Date Prep: 12.04.17

MSD Sample Id: 569794-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.0938	93	0.0936	94	70-130	0	35	mg/kg	12.05.17 03:14	
Toluene	<0.00202	0.101	0.0841	83	0.0845	85	70-130	0	35	mg/kg	12.05.17 03:14	
Ethylbenzene	<0.00202	0.101	0.0749	74	0.0766	77	71-129	2	35	mg/kg	12.05.17 03:14	
m,p-Xylenes	<0.00403	0.202	0.143	71	0.146	73	70-135	2	35	mg/kg	12.05.17 03:14	
o-Xylene	<0.00202	0.101	0.0708	70	0.0723	72	71-133	2	35	mg/kg	12.05.17 03:14	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		95		80-120	%	12.05.17 03:14
4-Bromofluorobenzene	92		94		80-120	%	12.05.17 03:14

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



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.#:

569304

Field billable Hrs :

* Container Type Codes

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

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

** Preservative Type Codes

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

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:	Lost Tank 33 FED 2 SWD	PO#:	
Invoice To:	Oxy - Wade Dittrich (575)390-2828	Quote #:	
Sampler Name:	Paul Pinon	Circle One Event:	Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field Filtered	Integrity OK (Y/N)	Total # of containers	Example Volatiles by 8260	TPH	BTEX	Chloride	Hold Sample (CALL) on Highest TPH
1	SP9 @ 10'	11/21/17	1450	S			1		X			
2	SP9 @ 13'	11/21/17	1506	S			1		X			
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
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	1-0.42 3
Relinquished by	Affiliation	Date	Time	Received by	Affiliation
Paul Pinon	Trinity	11/22/17	1500	Brittany Cox	
				Wannell H Xenco	

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 602-437-0334
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 pre 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.

Temp: 3.2
CF: (0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 3.0
IR ID: R-8



XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 11/22/2017 03:01:00 PM

Work Order #: 569304

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

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Shawnee Smith

Date: 11/27/2017

Checklist reviewed by:

Holly Taylor

Date: 11/27/2017



Certificate of Analysis Summary 569891

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Lost Tank 33 Fed 2 SWD



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Thu Nov-30-17 10:12 am

Report Date: 12-DEC-17

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	569891-001	569891-002	569891-003	569891-004	569891-005	569891-006
	Field Id:	SP-10@6"	SP-10@1'	SP-10@5'	SP-10@9'	SP-10@13'	SP-11-6"
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Nov-27-17 08:37	Nov-27-17 08:55	Nov-27-17 12:20	Nov-27-17 14:25	Nov-27-17 16:30	Nov-27-17 10:05
BTEX by EPA 8021B	Extracted:	Dec-09-17 10:00	Dec-09-17 10:00	Dec-09-17 10:00	Dec-09-17 10:00	Dec-09-17 10:00	Dec-09-17 10:00
	Analyzed:	Dec-09-17 23:47	Dec-10-17 00:06	Dec-10-17 00:25	Dec-10-17 00:43	Dec-10-17 01:02	Dec-10-17 01:21
	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	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00202 0.00202
Toluene		<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	<0.00202 0.00202
Ethylbenzene		<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	0.00514 0.00202
m,p-Xylenes		<0.00399 0.00399	<0.00399 0.00399	<0.00398 0.00398	<0.00398 0.00398	<0.00400 0.00400	0.0138 0.00403
o-Xylene		<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	0.0190 0.00202
Total Xylenes		<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	0.0328 0.00202
Total BTEX		<0.00200 0.00200	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	<0.00200 0.00200	0.0379 0.00202
Chloride by EPA 300	Extracted:	Dec-06-17 09:00	Dec-06-17 09:00	Dec-06-17 11:00	Dec-06-17 11:00	Dec-06-17 11:00	Dec-06-17 11:00
	Analyzed:	Dec-06-17 13:03	Dec-06-17 13:09	Dec-06-17 14:08	Dec-06-17 14:14	Dec-06-17 14:20	Dec-06-17 14:26
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		4240 24.6	1870 24.8	2640 24.7	4230 24.5	1480 24.9	21200 248
TPH By SW8015 Mod	Extracted:	Dec-04-17 17:00	Dec-04-17 17:00	Dec-04-17 17:00	Dec-04-17 17:00	Dec-04-17 17:00	Dec-04-17 17:00
	Analyzed:	Dec-04-17 23:54	Dec-05-17 00:55	Dec-05-17 01:16	Dec-05-17 01:38	Dec-05-17 01:58	Dec-05-17 02:18
	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	124 74.7
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	3440 74.7
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	1100 74.7
Total TPH		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	4660 74.7

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 569891

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Lost Tank 33 Fed 2 SWD



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Thu Nov-30-17 10:12 am

Report Date: 12-DEC-17

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	569891-007	569891-008	569891-009	569891-010	569891-011	569891-012
	<i>Field Id:</i>	SP-11@1'	SP-11@ 3'	SP-11@10'	SP-11@13'	SP-12@6"	SP-12@1'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Nov-27-17 10:15	Nov-27-17 10:25	Nov-27-17 14:50	Nov-27-17 16:55	Nov-27-17 11:15	Nov-27-17 11:20
BTEX by EPA 8021B	<i>Extracted:</i>	Dec-09-17 10:00	Dec-09-17 10:00	Dec-09-17 10:00	Dec-09-17 10:00	Dec-09-17 10:00	Dec-09-17 10:00
	<i>Analyzed:</i>	Dec-10-17 01:41	Dec-10-17 02:00	Dec-10-17 02:19	Dec-10-17 02:38	Dec-10-17 03:35	Dec-10-17 03:53
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00338 0.00338	<0.00198 0.00198	<0.00201 0.00201	<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202
Toluene		<0.00338 0.00338	<0.00198 0.00198	<0.00201 0.00201	<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202
Ethylbenzene		0.0283 0.00338	<0.00198 0.00198	<0.00201 0.00201	<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202
m,p-Xylenes		0.0927 0.00676	<0.00397 0.00397	<0.00402 0.00402	<0.00398 0.00398	<0.00398 0.00398	<0.00404 0.00404
o-Xylene		0.114 0.00338	<0.00198 0.00198	<0.00201 0.00201	<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202
Total Xylenes		0.207 0.00338	<0.00198 0.00198	<0.00201 0.00201	<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202
Total BTEX		0.235 0.00338	<0.00198 0.00198	<0.00201 0.00201	<0.00199 0.00199	<0.00199 0.00199	<0.00202 0.00202
Chloride by EPA 300	<i>Extracted:</i>	Dec-06-17 11:00	Dec-06-17 11:00	Dec-06-17 11:00	Dec-06-17 11:00	Dec-06-17 11:00	Dec-06-17 11:00
	<i>Analyzed:</i>	Dec-06-17 14:44	Dec-06-17 13:51	Dec-06-17 14:50	Dec-06-17 14:56	Dec-06-17 15:02	Dec-06-17 15:08
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		12200 100	423 4.94	827 5.00	330 4.90	20800 250	10800 99.0
TPH By SW8015 Mod	<i>Extracted:</i>	Dec-04-17 17:00	Dec-04-17 17:00	Dec-04-17 17:00	Dec-04-17 17:00	Dec-04-17 17:00	Dec-04-17 17:00
	<i>Analyzed:</i>	Dec-05-17 02:38	Dec-05-17 02:58	Dec-05-17 03:19	Dec-05-17 03:40	Dec-05-17 04:40	Dec-05-17 05:01
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		254 74.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Diesel Range Organics (DRO)		2990 74.9	56.1 15.0	98.1 15.0	40.6 15.0	58.2 15.0	<15.0 15.0
Oil Range Hydrocarbons (ORO)		695 74.9	18.5 15.0	32.8 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Total TPH		3940 74.9	74.6 15.0	131 15.0	40.6 15.0	58.2 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 569891

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Lost Tank 33 Fed 2 SWD



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Thu Nov-30-17 10:12 am

Report Date: 12-DEC-17

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	569891-013	569891-014	569891-015	569891-016	569891-017	
	<i>Field Id:</i>	SP-12@2'	SP-12@4'	SP-12@6'	SP-12@10'	SP-12@13'	
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	
	<i>Sampled:</i>	Nov-27-17 11:25	Nov-27-17 11:35	Nov-27-17 13:15	Nov-27-17 15:08	Nov-27-17 17:13	
BTEX by EPA 8021B	<i>Extracted:</i>	Dec-09-17 10:00	Dec-09-17 10:00	Dec-09-17 10:00	Dec-09-17 10:00	Dec-09-17 10:00	
	<i>Analyzed:</i>	Dec-10-17 04:12	Dec-10-17 04:31	Dec-10-17 04:50	Dec-10-17 05:09	Dec-10-17 05:28	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Benzene		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200	
Toluene		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200	
Ethylbenzene		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200	
m,p-Xylenes		<0.00401 0.00401	<0.00399 0.00399	<0.00397 0.00397	<0.00403 0.00403	<0.00399 0.00399	
o-Xylene		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200	
Total Xylenes		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200	
Total BTEX		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00202 0.00202	<0.00200 0.00200	
Chloride by EPA 300	<i>Extracted:</i>	Dec-06-17 11:00	Dec-06-17 11:00	Dec-06-17 11:00	Dec-06-17 11:00	Dec-06-17 11:00	
	<i>Analyzed:</i>	Dec-06-17 15:55	Dec-06-17 16:01	Dec-06-17 15:14	Dec-06-17 16:07	Dec-06-17 16:13	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		2000 25.0	1710 24.9	428 5.00	2060 25.0	2000 24.9	
TPH By SW8015 Mod	<i>Extracted:</i>	Dec-04-17 17:00	Dec-04-17 17:00	Dec-04-17 17:00	Dec-04-17 17:00	Dec-04-17 17:00	
	<i>Analyzed:</i>	Dec-05-17 05:22	Dec-05-17 05:42	Dec-05-17 06:02	Dec-05-17 06:22	Dec-05-17 06:43	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	
Diesel Range Organics (DRO)		<15.0 15.0	<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	
Total TPH		<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

Analytical Report 569891
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Lost Tank 33 Fed 2 SWD

12-DEC-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)



12-DEC-17

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

Reference: XENCO Report No(s): **569891**
Lost Tank 33 Fed 2 SWD
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) 569891. 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. 569891 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 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-10@6"	S	11-27-17 08:37		569891-001
SP-10@1'	S	11-27-17 08:55		569891-002
SP-10@5'	S	11-27-17 12:20		569891-003
SP-10@9'	S	11-27-17 14:25		569891-004
SP-10@13'	S	11-27-17 16:30		569891-005
SP-11-6"	S	11-27-17 10:05		569891-006
SP-11@1'	S	11-27-17 10:15		569891-007
SP-11@ 3'	S	11-27-17 10:25		569891-008
SP-11@10'	S	11-27-17 14:50		569891-009
SP-11@13'	S	11-27-17 16:55		569891-010
SP-12@6"	S	11-27-17 11:15		569891-011
SP-12@1'	S	11-27-17 11:20		569891-012
SP-12@2'	S	11-27-17 11:25		569891-013
SP-12@4'	S	11-27-17 11:35		569891-014
SP-12@6'	S	11-27-17 13:15		569891-015
SP-12@10'	S	11-27-17 15:08		569891-016
SP-12@13'	S	11-27-17 17:13		569891-017



CASE NARRATIVE

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

Project Name: *Lost Tank 33 Fed 2 SWD*

Project ID:

Work Order Number(s): 569891

Report Date: 12-DEC-17

Date Received: 11/30/2017

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3035495 BTEX by EPA 8021B

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



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-10@6"**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-001

Date Collected: 11.27.17 08.37

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.06.17 09.00

Basis: Wet Weight

Seq Number: 3035103

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4240	24.6	mg/kg	12.06.17 13.03		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.04.17 17.00

Basis: Wet Weight

Seq Number: 3034998

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.04.17 23.54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.04.17 23.54	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.04.17 23.54	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.04.17 23.54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	12.04.17 23.54	
o-Terphenyl	84-15-1	95	%	70-135	12.04.17 23.54	



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-10@6"**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-001

Date Collected: 11.27.17 08.37

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.09.17 10.00

Basis: Wet Weight

Seq Number: 3035495

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.09.17 23.47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.09.17 23.47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.09.17 23.47	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.09.17 23.47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.09.17 23.47	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.09.17 23.47	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.09.17 23.47	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	89	%	80-120	12.09.17 23.47		
1,4-Difluorobenzene	540-36-3	92	%	80-120	12.09.17 23.47		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-10@1'**
Lab Sample Id: 569891-002

Matrix: Soil
Date Collected: 11.27.17 08.55

Date Received: 11.30.17 10.12

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3035103

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Date Prep: 12.06.17 09.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1870	24.8	mg/kg	12.06.17 13.09		5

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3034998

Prep Method: TX1005P

% Moisture:

Basis: Wet Weight

Date Prep: 12.04.17 17.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.05.17 00.55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.05.17 00.55	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.05.17 00.55	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.05.17 00.55	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	89	%	70-135	12.05.17 00.55		
o-Terphenyl	84-15-1	88	%	70-135	12.05.17 00.55		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-10@1'**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-002

Date Collected: 11.27.17 08.55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.09.17 10.00

Basis: Wet Weight

Seq Number: 3035495

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.10.17 00.06	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.10.17 00.06	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.10.17 00.06	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.10.17 00.06	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.10.17 00.06	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.10.17 00.06	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.10.17 00.06	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	88	%	80-120	12.10.17 00.06		
1,4-Difluorobenzene	540-36-3	94	%	80-120	12.10.17 00.06		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-10@5'**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-003

Date Collected: 11.27.17 12.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.06.17 11.00

Basis: Wet Weight

Seq Number: 3035186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2640	24.7	mg/kg	12.06.17 14.08		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.04.17 17.00

Basis: Wet Weight

Seq Number: 3034998

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.05.17 01.16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.05.17 01.16	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.05.17 01.16	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.05.17 01.16	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	81	%	70-135	12.05.17 01.16		
o-Terphenyl	84-15-1	86	%	70-135	12.05.17 01.16		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-10@5'**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-003

Date Collected: 11.27.17 12.20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.09.17 10.00

Basis: Wet Weight

Seq Number: 3035495

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.10.17 00.25	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.10.17 00.25	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.10.17 00.25	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.10.17 00.25	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.10.17 00.25	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.10.17 00.25	U	1
Total BTEX		<0.00199	0.00199	mg/kg	12.10.17 00.25	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	86	%	80-120	12.10.17 00.25		
1,4-Difluorobenzene	540-36-3	93	%	80-120	12.10.17 00.25		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-10@9'**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-004

Date Collected: 11.27.17 14.25

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.06.17 11.00

Basis: Wet Weight

Seq Number: 3035186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4230	24.5	mg/kg	12.06.17 14.14		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.04.17 17.00

Basis: Wet Weight

Seq Number: 3034998

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.05.17 01.38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.05.17 01.38	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.05.17 01.38	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.05.17 01.38	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	80	%	70-135	12.05.17 01.38		
o-Terphenyl	84-15-1	84	%	70-135	12.05.17 01.38		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-10@9'**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-004

Date Collected: 11.27.17 14.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.09.17 10.00

Basis: Wet Weight

Seq Number: 3035495

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.10.17 00.43	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.10.17 00.43	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.10.17 00.43	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.10.17 00.43	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.10.17 00.43	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.10.17 00.43	U	1
Total BTEX		<0.00199	0.00199	mg/kg	12.10.17 00.43	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	95	%	80-120	12.10.17 00.43		
4-Bromofluorobenzene	460-00-4	89	%	80-120	12.10.17 00.43		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-10@13'**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-005

Date Collected: 11.27.17 16.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.06.17 11.00

Basis: Wet Weight

Seq Number: 3035186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1480	24.9	mg/kg	12.06.17 14.20		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.04.17 17.00

Basis: Wet Weight

Seq Number: 3034998

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.05.17 01.58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.05.17 01.58	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.05.17 01.58	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.05.17 01.58	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	79	%	70-135	12.05.17 01.58		
o-Terphenyl	84-15-1	82	%	70-135	12.05.17 01.58		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-10@13'**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-005

Date Collected: 11.27.17 16.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.09.17 10.00

Basis: Wet Weight

Seq Number: 3035495

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.10.17 01.02	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.10.17 01.02	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.10.17 01.02	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	12.10.17 01.02	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.10.17 01.02	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.10.17 01.02	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.10.17 01.02	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	89	%	80-120	12.10.17 01.02		
1,4-Difluorobenzene	540-36-3	95	%	80-120	12.10.17 01.02		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-11-6"**
Lab Sample Id: 569891-006

Matrix: Soil
Date Collected: 11.27.17 10.05

Date Received: 11.30.17 10.12

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3035186

Prep Method: E300P
% Moisture:
Date Prep: 12.06.17 11.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	21200	248	mg/kg	12.06.17 14.26		50

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3034998

Prep Method: TX1005P
% Moisture:
Date Prep: 12.04.17 17.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	124	74.7	mg/kg	12.05.17 02.18		5
Diesel Range Organics (DRO)	C10C28DRO	3440	74.7	mg/kg	12.05.17 02.18		5
Oil Range Hydrocarbons (ORO)	PHCG2835	1100	74.7	mg/kg	12.05.17 02.18		5
Total TPH	PHC635	4660	74.7	mg/kg	12.05.17 02.18		5
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	88	%	70-135	12.05.17 02.18		
o-Terphenyl	84-15-1	98	%	70-135	12.05.17 02.18		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-11-6"**
Lab Sample Id: 569891-006

Matrix: Soil
Date Collected: 11.27.17 10.05

Date Received: 11.30.17 10.12

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.09.17 10.00

Basis: Wet Weight

Seq Number: 3035495

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.10.17 01.21	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.10.17 01.21	U	1
Ethylbenzene	100-41-4	0.00514	0.00202	mg/kg	12.10.17 01.21		1
m,p-Xylenes	179601-23-1	0.0138	0.00403	mg/kg	12.10.17 01.21		1
o-Xylene	95-47-6	0.0190	0.00202	mg/kg	12.10.17 01.21		1
Total Xylenes	1330-20-7	0.0328	0.00202	mg/kg	12.10.17 01.21		1
Total BTEX		0.0379	0.00202	mg/kg	12.10.17 01.21		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118		%	80-120	12.10.17 01.21	
1,4-Difluorobenzene	540-36-3	88		%	80-120	12.10.17 01.21	



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-11@1'**
Lab Sample Id: 569891-007

Matrix: Soil
Date Collected: 11.27.17 10.15

Date Received: 11.30.17 10.12

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3035186

Date Prep: 12.06.17 11.00

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12200	100	mg/kg	12.06.17 14.44		20

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3034998

Date Prep: 12.04.17 17.00

Prep Method: TX1005P

% Moisture:

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	254	74.9	mg/kg	12.05.17 02.38		5
Diesel Range Organics (DRO)	C10C28DRO	2990	74.9	mg/kg	12.05.17 02.38		5
Oil Range Hydrocarbons (ORO)	PHCG2835	695	74.9	mg/kg	12.05.17 02.38		5
Total TPH	PHC635	3940	74.9	mg/kg	12.05.17 02.38		5
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	88	%	70-135	12.05.17 02.38		
o-Terphenyl	84-15-1	93	%	70-135	12.05.17 02.38		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-11@1'**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-007

Date Collected: 11.27.17 10.15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.09.17 10.00

Basis: Wet Weight

Seq Number: 3035495

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00338	0.00338	mg/kg	12.10.17 01.41	U	1
Toluene	108-88-3	<0.00338	0.00338	mg/kg	12.10.17 01.41	U	1
Ethylbenzene	100-41-4	0.0283	0.00338	mg/kg	12.10.17 01.41		1
m,p-Xylenes	179601-23-1	0.0927	0.00676	mg/kg	12.10.17 01.41		1
o-Xylene	95-47-6	0.114	0.00338	mg/kg	12.10.17 01.41		1
Total Xylenes	1330-20-7	0.207	0.00338	mg/kg	12.10.17 01.41		1
Total BTEX		0.235	0.00338	mg/kg	12.10.17 01.41		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	116		%	80-120	12.10.17 01.41	
1,4-Difluorobenzene	540-36-3	84		%	80-120	12.10.17 01.41	



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: SP-11@ 3'

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-008

Date Collected: 11.27.17 10.25

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.06.17 11.00

Basis: Wet Weight

Seq Number: 3035186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	423	4.94	mg/kg	12.06.17 13.51		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.04.17 17.00

Basis: Wet Weight

Seq Number: 3034998

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.05.17 02.58	U	1
Diesel Range Organics (DRO)	C10C28DRO	56.1	15.0	mg/kg	12.05.17 02.58		1
Oil Range Hydrocarbons (ORO)	PHCG2835	18.5	15.0	mg/kg	12.05.17 02.58		1
Total TPH	PHC635	74.6	15.0	mg/kg	12.05.17 02.58		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	94	%	70-135	12.05.17 02.58		
o-Terphenyl	84-15-1	98	%	70-135	12.05.17 02.58		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: SP-11@ 3'

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-008

Date Collected: 11.27.17 10.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.09.17 10.00

Basis: Wet Weight

Seq Number: 3035495

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	12.10.17 02.00	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.10.17 02.00	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.10.17 02.00	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	12.10.17 02.00	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.10.17 02.00	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	12.10.17 02.00	U	1
Total BTEX		<0.00198	0.00198	mg/kg	12.10.17 02.00	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	82	%	80-120	12.10.17 02.00		
1,4-Difluorobenzene	540-36-3	86	%	80-120	12.10.17 02.00		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-11@10'**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-009

Date Collected: 11.27.17 14.50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.06.17 11.00

Basis: Wet Weight

Seq Number: 3035186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	827	5.00	mg/kg	12.06.17 14.50		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.04.17 17.00

Basis: Wet Weight

Seq Number: 3034998

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.05.17 03.19	U	1
Diesel Range Organics (DRO)	C10C28DRO	98.1	15.0	mg/kg	12.05.17 03.19		1
Oil Range Hydrocarbons (ORO)	PHCG2835	32.8	15.0	mg/kg	12.05.17 03.19		1
Total TPH	PHC635	131	15.0	mg/kg	12.05.17 03.19		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-135	12.05.17 03.19	
o-Terphenyl	84-15-1	88	%	70-135	12.05.17 03.19	



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-11@10'**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-009

Date Collected: 11.27.17 14.50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.09.17 10.00

Basis: Wet Weight

Seq Number: 3035495

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.10.17 02.19	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.10.17 02.19	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.10.17 02.19	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	12.10.17 02.19	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	12.10.17 02.19	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	12.10.17 02.19	U	1
Total BTEX		<0.00201	0.00201	mg/kg	12.10.17 02.19	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	93	%	80-120	12.10.17 02.19		
1,4-Difluorobenzene	540-36-3	90	%	80-120	12.10.17 02.19		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-11@13'**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-010

Date Collected: 11.27.17 16.55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.06.17 11.00

Basis: Wet Weight

Seq Number: 3035186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	330	4.90	mg/kg	12.06.17 14.56		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.04.17 17.00

Basis: Wet Weight

Seq Number: 3034998

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.05.17 03.40	U	1
Diesel Range Organics (DRO)	C10C28DRO	40.6	15.0	mg/kg	12.05.17 03.40		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.05.17 03.40	U	1
Total TPH	PHC635	40.6	15.0	mg/kg	12.05.17 03.40		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	80	%	70-135	12.05.17 03.40	
o-Terphenyl	84-15-1	85	%	70-135	12.05.17 03.40	



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: SP-11@13'

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-010

Date Collected: 11.27.17 16.55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.09.17 10.00

Basis: Wet Weight

Seq Number: 3035495

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.10.17 02.38	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.10.17 02.38	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.10.17 02.38	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.10.17 02.38	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.10.17 02.38	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.10.17 02.38	U	1
Total BTEX		<0.00199	0.00199	mg/kg	12.10.17 02.38	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	86	%	80-120	12.10.17 02.38		
1,4-Difluorobenzene	540-36-3	88	%	80-120	12.10.17 02.38		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-12@6"**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-011

Date Collected: 11.27.17 11.15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.06.17 11.00

Basis: Wet Weight

Seq Number: 3035186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	20800	250	mg/kg	12.06.17 15.02		50

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.04.17 17.00

Basis: Wet Weight

Seq Number: 3034998

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.05.17 04.40	U	1
Diesel Range Organics (DRO)	C10C28DRO	58.2	15.0	mg/kg	12.05.17 04.40		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.05.17 04.40	U	1
Total TPH	PHC635	58.2	15.0	mg/kg	12.05.17 04.40		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	12.05.17 04.40	
o-Terphenyl	84-15-1	96	%	70-135	12.05.17 04.40	



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: SP-12@6"

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-011

Date Collected: 11.27.17 11.15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.09.17 10.00

Basis: Wet Weight

Seq Number: 3035495

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.10.17 03.35	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.10.17 03.35	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.10.17 03.35	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.10.17 03.35	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.10.17 03.35	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.10.17 03.35	U	1
Total BTEX		<0.00199	0.00199	mg/kg	12.10.17 03.35	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	94	%	80-120	12.10.17 03.35		
1,4-Difluorobenzene	540-36-3	93	%	80-120	12.10.17 03.35		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-12@1'**
Lab Sample Id: 569891-012

Matrix: Soil
Date Collected: 11.27.17 11.20

Date Received: 11.30.17 10.12

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3035186

Prep Method: E300P

% Moisture:

Date Prep: 12.06.17 11.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10800	99.0	mg/kg	12.06.17 15.08		20

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3034998

Prep Method: TX1005P

% Moisture:

Date Prep: 12.04.17 17.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.05.17 05.01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.05.17 05.01	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.05.17 05.01	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.05.17 05.01	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	92	%	70-135	12.05.17 05.01		
o-Terphenyl	84-15-1	93	%	70-135	12.05.17 05.01		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: SP-12@1'

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-012

Date Collected: 11.27.17 11.20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.09.17 10.00

Basis: Wet Weight

Seq Number: 3035495

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.10.17 03.53	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.10.17 03.53	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.10.17 03.53	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	12.10.17 03.53	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.10.17 03.53	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	12.10.17 03.53	U	1
Total BTEX		<0.00202	0.00202	mg/kg	12.10.17 03.53	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	94	%	80-120	12.10.17 03.53		
4-Bromofluorobenzene	460-00-4	88	%	80-120	12.10.17 03.53		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-12@2'**
Lab Sample Id: 569891-013

Matrix: Soil
Date Collected: 11.27.17 11.25

Date Received: 11.30.17 10.12

Analytical Method: Chloride by EPA 300

Tech: MNV

Analyst: MNV

Seq Number: 3035186

Prep Method: E300P

% Moisture:

Date Prep: 12.06.17 11.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2000	25.0	mg/kg	12.06.17 15.55		5

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3034998

Prep Method: TX1005P

% Moisture:

Date Prep: 12.04.17 17.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.05.17 05.22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.05.17 05.22	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.05.17 05.22	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.05.17 05.22	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	88	%	70-135	12.05.17 05.22		
o-Terphenyl	84-15-1	92	%	70-135	12.05.17 05.22		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-12@2'**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-013

Date Collected: 11.27.17 11.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.09.17 10.00

Basis: Wet Weight

Seq Number: 3035495

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.10.17 04.12	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.10.17 04.12	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.10.17 04.12	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.10.17 04.12	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.10.17 04.12	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.10.17 04.12	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.10.17 04.12	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	93	%	80-120	12.10.17 04.12		
4-Bromofluorobenzene	460-00-4	87	%	80-120	12.10.17 04.12		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: SP-12@4'

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-014

Date Collected: 11.27.17 11.35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.06.17 11.00

Basis: Wet Weight

Seq Number: 3035186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1710	24.9	mg/kg	12.06.17 16.01		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.04.17 17.00

Basis: Wet Weight

Seq Number: 3034998

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.05.17 05.42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.05.17 05.42	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.05.17 05.42	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.05.17 05.42	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	82	%	70-135	12.05.17 05.42		
o-Terphenyl	84-15-1	86	%	70-135	12.05.17 05.42		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: SP-12@4'

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-014

Date Collected: 11.27.17 11.35

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.09.17 10.00

Basis: Wet Weight

Seq Number: 3035495

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.10.17 04.31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.10.17 04.31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.10.17 04.31	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.10.17 04.31	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.10.17 04.31	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.10.17 04.31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.10.17 04.31	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	95	%	80-120	12.10.17 04.31		
4-Bromofluorobenzene	460-00-4	91	%	80-120	12.10.17 04.31		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-12@6'**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-015

Date Collected: 11.27.17 13.15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.06.17 11.00

Basis: Wet Weight

Seq Number: 3035186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	428	5.00	mg/kg	12.06.17 15.14		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.04.17 17.00

Basis: Wet Weight

Seq Number: 3034998

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.05.17 06.02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.05.17 06.02	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.05.17 06.02	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.05.17 06.02	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	80	%	70-135	12.05.17 06.02		
o-Terphenyl	84-15-1	83	%	70-135	12.05.17 06.02		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-12@6'**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-015

Date Collected: 11.27.17 13.15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.09.17 10.00

Basis: Wet Weight

Seq Number: 3035495

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	12.10.17 04.50	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.10.17 04.50	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.10.17 04.50	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	12.10.17 04.50	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.10.17 04.50	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	12.10.17 04.50	U	1
Total BTEX		<0.00198	0.00198	mg/kg	12.10.17 04.50	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	91	%	80-120	12.10.17 04.50		
1,4-Difluorobenzene	540-36-3	95	%	80-120	12.10.17 04.50		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-12@10'**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-016

Date Collected: 11.27.17 15.08

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.06.17 11.00

Basis: Wet Weight

Seq Number: 3035186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2060	25.0	mg/kg	12.06.17 16.07		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.04.17 17.00

Basis: Wet Weight

Seq Number: 3034998

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.05.17 06.22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.05.17 06.22	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.05.17 06.22	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.05.17 06.22	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	91	%	70-135	12.05.17 06.22		
o-Terphenyl	84-15-1	92	%	70-135	12.05.17 06.22		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-12@10'**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-016

Date Collected: 11.27.17 15.08

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.09.17 10.00

Basis: Wet Weight

Seq Number: 3035495

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.10.17 05.09	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.10.17 05.09	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.10.17 05.09	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	12.10.17 05.09	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.10.17 05.09	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	12.10.17 05.09	U	1
Total BTEX		<0.00202	0.00202	mg/kg	12.10.17 05.09	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	89	%	80-120	12.10.17 05.09		
1,4-Difluorobenzene	540-36-3	91	%	80-120	12.10.17 05.09		



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: **SP-12@13'**

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-017

Date Collected: 11.27.17 17.13

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 12.06.17 11.00

Basis: Wet Weight

Seq Number: 3035186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2000	24.9	mg/kg	12.06.17 16.13		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.04.17 17.00

Basis: Wet Weight

Seq Number: 3034998

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.05.17 06.43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.05.17 06.43	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.05.17 06.43	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.05.17 06.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	12.05.17 06.43	
o-Terphenyl	84-15-1	94	%	70-135	12.05.17 06.43	



Certificate of Analytical Results 569891



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Lost Tank 33 Fed 2 SWD

Sample Id: SP-12@13'

Matrix: Soil

Date Received: 11.30.17 10.12

Lab Sample Id: 569891-017

Date Collected: 11.27.17 17.13

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.09.17 10.00

Basis: Wet Weight

Seq Number: 3035495

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.10.17 05.28	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.10.17 05.28	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.10.17 05.28	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.10.17 05.28	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.10.17 05.28	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.10.17 05.28	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.10.17 05.28	U	1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	90		%	80-120	12.10.17 05.28	
1,4-Difluorobenzene	540-36-3	91		%	80-120	12.10.17 05.28	

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

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

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

Certified and approved by numerous States and Agencies.

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

Houston - Dallas - San Antonio - Atlanta - Midland/Odessa - Tampa/Lakeland - Phoenix - Latin America

4147 Greenbriar Dr, Stafford, TX 77477
 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

Lost Tank 33 Fed 2 SWD

Analytical Method: Chloride by EPA 300

Seq Number: 3035103

MB Sample Id: 7635512-1-BLK

Matrix: Solid

LCS Sample Id: 7635512-1-BKS

Prep Method: E300P

Date Prep: 12.06.17

LCSD Sample Id: 7635512-1-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	250	100	246	98	90-110	2	20	mg/kg	12.06.17 09:40	

Analytical Method: Chloride by EPA 300

Seq Number: 3035186

MB Sample Id: 7635513-1-BLK

Matrix: Solid

LCS Sample Id: 7635513-1-BKS

Prep Method: E300P

Date Prep: 12.06.17

LCSD Sample Id: 7635513-1-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	264	106	263	105	90-110	0	20	mg/kg	12.06.17 13:39	

Analytical Method: Chloride by EPA 300

Seq Number: 3035103

Parent Sample Id: 569849-001

Matrix: Soil

MS Sample Id: 569849-001 S

Prep Method: E300P

Date Prep: 12.06.17

MSD Sample Id: 569849-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	67.2	245	314	101	321	104	90-110	2	20	mg/kg	12.06.17 10:35	

Analytical Method: Chloride by EPA 300

Seq Number: 3035103

Parent Sample Id: 569858-003

Matrix: Soil

MS Sample Id: 569858-003 S

Prep Method: E300P

Date Prep: 12.06.17

MSD Sample Id: 569858-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	36.0	245	286	102	295	106	90-110	3	20	mg/kg	12.06.17 11:58	

Analytical Method: Chloride by EPA 300

Seq Number: 3035186

Parent Sample Id: 569891-008

Matrix: Soil

MS Sample Id: 569891-008 S

Prep Method: E300P

Date Prep: 12.06.17

MSD Sample Id: 569891-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	423	247	645	90	653	93	90-110	1	20	mg/kg	12.06.17 13:57	

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
Lost Tank 33 Fed 2 SWD

Analytical Method: Chloride by EPA 300

Seq Number: 3035186

Parent Sample Id: 569891-015

Matrix: Soil

MS Sample Id: 569891-015 S

Prep Method: E300P

Date Prep: 12.06.17

MSD Sample Id: 569891-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	428	250	669	96	688	104	90-110	3	20	mg/kg	12.06.17 15:19	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3034998

MB Sample Id: 7635410-1-BLK

Matrix: Solid

LCS Sample Id: 7635410-1-BKS

Prep Method: TX1005P

Date Prep: 12.04.17

LCSD Sample Id: 7635410-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	905	91	1020	102	70-135	12	35	mg/kg	12.04.17 23:14	
Diesel Range Organics (DRO)	<15.0	1000	970	97	1090	109	70-135	12	35	mg/kg	12.04.17 23:14	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	93		89		101		70-135	%	12.04.17 23:14
o-Terphenyl	99		90		105		70-135	%	12.04.17 23:14

Analytical Method: TPH By SW8015 Mod

Seq Number: 3034998

Parent Sample Id: 569891-001

Matrix: Soil

MS Sample Id: 569891-001 S

Prep Method: TX1005P

Date Prep: 12.04.17

MSD Sample Id: 569891-001 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	950	95	882	88	70-135	7	35	mg/kg	12.05.17 00:15	
Diesel Range Organics (DRO)	<15.0	999	1030	103	955	96	70-135	8	35	mg/kg	12.05.17 00:15	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	96		86		70-135	%	12.05.17 00:15
o-Terphenyl	96		86		70-135	%	12.05.17 00:15

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
Lost Tank 33 Fed 2 SWD

Analytical Method: BTEX by EPA 8021B

Seq Number: 3035495

MB Sample Id: 7635698-1-BLK

Matrix: Solid

LCS Sample Id: 7635698-1-BKS

Prep Method: SW5030B

Date Prep: 12.09.17

LCSD Sample Id: 7635698-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0984	98	0.104	103	70-130	6	35	mg/kg	12.09.17 16:02	
Toluene	<0.00200	0.100	0.0941	94	0.0987	98	70-130	5	35	mg/kg	12.09.17 16:02	
Ethylbenzene	<0.00200	0.100	0.0920	92	0.0980	97	71-129	6	35	mg/kg	12.09.17 16:02	
m,p-Xylenes	<0.00401	0.200	0.176	88	0.189	94	70-135	7	35	mg/kg	12.09.17 16:02	
o-Xylene	<0.00200	0.100	0.0888	89	0.0931	92	71-133	5	35	mg/kg	12.09.17 16:02	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	92		94		96		80-120	%	12.09.17 16:02
4-Bromofluorobenzene	88		96		96		80-120	%	12.09.17 16:02

Analytical Method: BTEX by EPA 8021B

Seq Number: 3035495

Parent Sample Id: 569891-001

Matrix: Soil

MS Sample Id: 569891-001 S

Prep Method: SW5030B

Date Prep: 12.09.17

MSD Sample Id: 569891-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.0954	95	0.0908	91	70-130	5	35	mg/kg	12.09.17 16:40	
Toluene	<0.00201	0.100	0.0892	89	0.0847	85	70-130	5	35	mg/kg	12.09.17 16:40	
Ethylbenzene	<0.00201	0.100	0.0860	86	0.0856	86	71-129	0	35	mg/kg	12.09.17 16:40	
m,p-Xylenes	<0.00402	0.201	0.165	82	0.165	83	70-135	0	35	mg/kg	12.09.17 16:40	
o-Xylene	<0.00201	0.100	0.0821	82	0.0823	83	71-133	0	35	mg/kg	12.09.17 16:40	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		98		80-120	%	12.09.17 16:40
4-Bromofluorobenzene	96		103		80-120	%	12.09.17 16:40

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



Page 1 of 2

LAB W.O.#:

Field billable Hrs :

* Container Type Codes

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
Q.

^ Matrix Type Codes

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

REMARKS

[illegible]

TAT Work Days = D Need results by: _____ Time: _____

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

ANALYSES REQUESTED

Cont Type * VC	GC	GC	GC						
Pres Type**	I	I	I						
Example Volatiles by 8260	TPH 8015M	BTEX	Chloride						
# Cont	Lab Only:								

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field Filtered	Integrity OK (Y/N)	Total # of containers
1	SP-10 @ 6"	11/27/17	0837	S			1
2	SP-10 @ 1'	11/27/17	0855	S			1
3	SP-10 @ 5'	11/27/17	1220	S			1
4	SP-10 @ 9'	11/27/17	1425	S			1
5	SP-10 @ 13'	11/27/17	1630	S			1
6	SP-11 @ 6"	11/27/17	1005	S			1
7	SP-11 @ 1'	11/27/17	1015	S			1
8	SP-11 @ 3'	11/27/17	1025	S			1
9	SP-11 @ 10'	11/27/17	1450	S			1
0	SP-11 @ 13'	11/27/17	1655	S			1

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		10.4 ^{±2} 3		Non-Conformances found? Samples intact upon arrival?			
	Relinquished by					Affiliation				Date		Time		Received by		Affiliation		Date		Time			
1	Lael Pizarro					Trinity				11/30/17		10:12		K. R. R. R.		MS		11-30-17		10:12		Received on Wet los?	
2	K. R. R. R.					MS				11/30/17		12:03		B. R. R. R.		Xenco		12-1-17		10:30		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, exd 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

Revision Date: Nov 12, 2009

Final 1,000

Page 46 of 48



XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 11/30/2017 10:12:00 AM

Work Order #: 569891

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

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Shawnee Smith

Date: 12/01/2017

Checklist reviewed by:

Holly Taylor

Date: 12/04/2017