

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Spill Remediation Plan



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

Site Name: Covington A Federal 0002 NMOCD Reference#: 1RP-4816

Surface Owner: US BLM Mineral Owner: US BLM

Unit Letter: "D" (NW/NW) Section: 25 Township: 22S Range: 23E County: Lea GPS Coordinates: 32.36912 N -103.6342 W

Depth to Ground Water: 435' - 440' Distance to Surface Water Body: ☐ <200' ☐ 200' - 1,000' ☒ >1,000'

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

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

Date/Time of Release: 8/29/2017 Type of Release: Produced Water & Crude Oil Approximate Volume of Release: See Below

Background Information:

On August 29, 2017, OXY USA, Inc. (OXY), discovered a release at the Covington A Federal 0002 (Covington A) production well. A stuffing box leak resulted in the release of approximately 6 bbls of produced water and 4 bbls of crude oil. The released fluid and overspray affected an area of the caliche well pad measuring approximately 6,000 square feet. An area of the pasture adjacent to the pad measuring approximately 90 square feet was also affected. The stuffing box was repaired during initial response activities. However, none of the released fluid was recovered.

The release was reported to the New Mexico Oil Conservation Division's (NMOCD) Hobbs District Office and the United States Department of the Interior - Bureau of Land Management's (BLM) Carlsbad District Office on September 1, 2017. The NMOCD "Release Notification & Corrective Action" form (C-141) is provided as Appendix A. General photographs of the release site are provided in Appendix B. A "Site Location Map" is provided as Figure 1.

Summary of Field Activities:

On September 13, 2017, one (1) soil sample (SP-1) and four (4) hand-augered boreholes (SP-2 through SP-5) were advanced at the release site to investigate the extent of impacted soil. Soil sample SP-1 was collected at approximately 6 inches below ground surface (bgs) in the small, secondary pooling area in the pasture adjacent to the Covington A well pad. The auger holes were advanced to the extent practicable along the flow path and in the primary pooling area of the release on the well pad itself. Total depths of the auger holes ranged from approximately 2.5 feet bgs (SP-3 and SP-4) to 3 feet bgs (SP-2 and SP-5). Soil samples collected at 6-inch to 1-foot vertical intervals were field-screened with a chloride test kit, and representative soil samples were submitted to Xenco Laboratories in Midland, Texas, for analysis of total petroleum hydrocarbons (TPH), benzene, toluene, ethylbenzene, and total xylenes (BTEX), and/or chloride concentrations using Environmental Protection Agency (EPA) Methods SW 846-8021b, SW 846-8015M, and 300.1, respectively. Laboratory analytical results and field screens indicated additional delineation to determine the vertical extent of chloride contamination was required. However, TPH and BTEX constituent concentrations were below the NMOCD "Recommended Remediation Action Levels" (RRALs) established for the site, with the exception of soil sample SP-1 @ 6", which exhibited a TPH concentration of 8,390 mg/kg.

On September 21, 2017, four (4) delineation trenches were advanced at the site to further investigate the vertical extent of impacted soil on the well pad. The trenches were advanced in the areas represented by auger holes SP-2 through SP-5 to total depths ranging from 7 feet bgs (SP-3) to 14.5 feet bgs (SP-5). Soil samples collected at 1- to 2-foot vertical intervals were field-screened with a chloride test kit, and confirmation samples were submitted to the laboratory for analysis of TPH, BTEX, and chloride concentrations. Laboratory analytical results and field screens indicated that vertical delineation of the flow path and primary pooling area of the release had been achieved.

On October 16, 2017, a hand-augered borehole was advanced in the area represented by soil sample SP-1 to further investigate the vertical extent of impact in the secondary pooling area of the release. The auger hole was advanced to a total depth of 3.5 feet bgs. Soil samples collected at 6-inch to 1-foot vertical intervals were field-screened utilizing olfactory and visual senses, and representative soil samples were submitted to the laboratory for analysis of TPH, BTEX,

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Spill Remediation Plan



Summary of Field Activities (cont.):

and chloride concentrations. Laboratory analytical results indicated that vertical delineation of impacted soil in the secondary pooling area in the pasture had been achieved.

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

Proposed Activities:

OXY proposes to conduct the following activities to progress the Covington A release site to an NMOCD- and BLM-approved closure:

- Heavily impacted, visibly stained soil on the caliche pad will be scraped up and stockpiled on-site, pending final disposition.
- The excavation will be advanced horizontally until field test readings and/or visual/olfactory senses suggest contaminants of concern are below the RRALs established for the site by the NMOCD (or to the extent practicable). The excavation will be advanced vertically as follows:
 - Maximum depth of 1 foot bgs adjacent to the on-site pump jack and well.
 - Maximum depth of 1.5 feet bgs in the area represented by auger hole SP-1.
 - Maximum depth of 2 feet bgs in the area represented by auger holes/delineation trenches SP-2 and SP-3.
 - Maximum depth of 4 feet bgs in the areas represented by auger holes/delineation trenches SP-4 and SP-5.
- 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.
- A 20-mil, impermeable, plastic liner will be installed at approximately 3.5 feet bgs in the areas represented by boreholes/delineation trenches SP-4 and SP-5. A cushion of sand will be installed approximately 6 inches both above and below the liner to protect it during installation and backfilling activities. This engineered control will serve to inhibit vertical migration of contaminants remaining in-situ.
- Following remediation activities, the excavation will be backfilled with non-impacted material, compacted, and contoured to fit the surrounding topography.
- Disturbed areas in the pasture adjacent to the Covington A well pad 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" 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

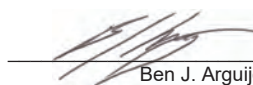
Table 1: Concentrations of Benzene, BTEX, TPH & Chloride in Soil

Table 2: Chloride Field Tests

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

Appendix B: Photographs

Appendix C: Laboratory Analytical Results

 10/27/2017
Ben J. Arguijo
Project Manager

APPROVED

By Olivia Yu at 4:09 pm, Dec 04, 2017

NMOCD approves of the delineation completed and proposed remediation for 1RP-4816 with stipulations outlined in the email correspondence.

Figures



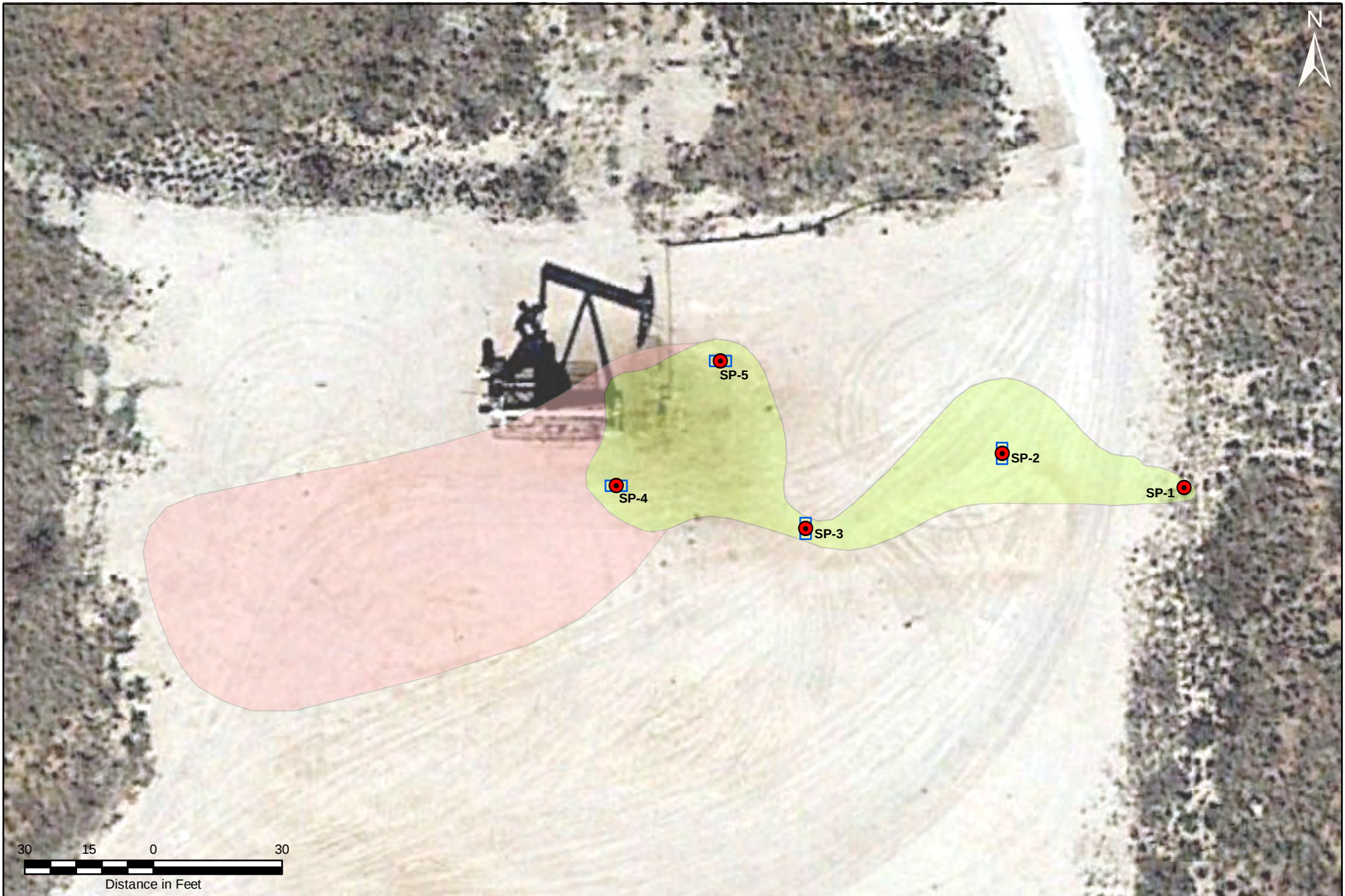
2,000 1,000 0 2,000
Distance in Feet

Figure 1
Site Location Map
OXY USA, Inc.
Covington A Federal 0002
Lea County, New Mexico
NMOCD Reference #: 1RP-4816



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

Drawn By: BJA	Checked By: CTR
September 18, 2017	Scale: 1" = 2,000'



Legend

- Overspray Area
- Release
- Delineation Trench
- Auger Hole

Figure 2
Sample Location Map
OXY USA, Inc.
Covington A Federal 0002
Lea County, New Mexico
NMOCD Reference #: 1RP-4816



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

Drawn By: BJA	Checked By: CTR
October 27, 2017	Scale: 1" = 30'

Tables

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

OXY USA, INC.
COVINGTON A FEDERAL 0002
LEA COUNTY, NEW MEXICO
NMOCD REF. #: 1RP-4816



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030							METHOD: 8015M				300.1
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M,P- XYLENES (mg/Kg)	O- XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	EXT DRO C ₂₈ -C ₃₅ (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Levels (RRALs)				10	NE	NE	NE	NE	NE	50	NE	NE	NE	5,000	1,000
SP-1 @ 6"	6"	9/13/17	In-Situ	-	-	-	-	-	-	-	170	7,140	1,080	8,390	80.6
SP-1 @ 2'	2'	10/16/17	In-Situ	<0.0037	<0.0037	<0.0037	<0.0067	<0.0037	<0.0037	<0.0037	<15.0	1,710	420	2,130	20.0
SP-1 @ 3.5'	3.5'	10/16/17	In-Situ	<0.0033	<0.0033	<0.0033	<0.0066	<0.0033	<0.0033	<0.0033	<15.0	1,020	185	1,210	328
SP-2 @ 6"	6"	9/13/17	In-Situ	<0.0033	0.0388	0.0331	0.345	0.149	0.494	0.566	65.6	2,150	390	2,610	6,610
SP-2 @ 2.5'	2.5'	9/13/17	In-Situ	<0.0034	<0.0034	<0.0034	<0.0068	<0.0034	<0.0034	<0.0034	<15.0	<15.0	<15.0	<15.0	492
SP-2 @ 3'	3'	9/13/17	In-Situ	<0.0034	0.0034	<0.0034	0.0124	0.0058	0.0182	0.0215	<15.0	73.9	<15.0	73.9	290
SP-2 @ 4.5'	4.5'	9/21/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	56.6
SP-2 @ 6'	6'	9/21/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	313
SP-2 @ 7'	7'	9/21/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	868
SP-2 @ 8.5'	8.5'	9/21/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	58.7
SP-3 @ 6"	6"	9/13/17	In-Situ	<0.0036	0.0039	0.0063	0.0760	0.0487	0.125	0.135	16.9	405	72.4	494	5,210
SP-3 @ 2.5'	2.5'	9/13/17	In-Situ	<0.0020	<0.0020	<0.0020	0.0074	0.0058	0.0131	0.0131	<15.0	63.2	<15.0	63.2	254
SP-3 @ 4'	4'	9/21/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	450
SP-3 @ 6'	6'	9/21/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	361
SP-3 @ 7'	7'	9/21/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	85.8	<15.0	85.8	389
SP-4 @ 6"	6"	9/13/17	In-Situ	<0.0035	0.0057	0.0075	0.0760	0.0097	0.0857	0.0989	<15.0	379	61.0	440	5,640
SP-4 @ 1.5'	1.5'	9/13/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	95.3
SP-4 @ 2.5'	2.5'	9/13/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	0.0044	0.0044	0.0044	<14.9	17.7	<14.9	17.7	102
SP-4 @ 4.5'	4.5'	9/21/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	2,140
SP-4 @ 8'	8'	9/21/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	597
SP-4 @ 9.5'	9.5'	9/21/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	101
SP-5 @ 6"	6"	9/13/17	In-Situ	<0.0040	0.0100	0.0177	0.146	0.0763	0.222	0.250	16.3	526	91.4	634	624
SP-5 @ 1.5'	1.5'	9/13/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	55.3	<15.0	55.3	1,120
SP-5 @ 3'	3'	9/13/17	In-Situ	<0.0020	<0.0020	<0.0020	0.0167	0.0125	0.0292	0.0292	<15.0	49.9	<15.0	49.9	1,360
SP-5 @ 4'	4'	9/21/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	22.9	<15.0	22.9	4,120
SP-5 @ 9.5'	9.5'	9/21/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	728
SP-5 @ 10.5'	10.5'	9/21/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	1,410
SP-5 @ 13.5'	13.5'	9/21/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	365
SP-5 @ 14.5'	14.5'	9/21/17	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	20.1	<15.0	20.1	490

NE = Not established

- = Not analyzed

Concentrations in BOLD exceed NMOCD RRALs

**TABLE 2
CHLORIDE FIELD TESTS**

**OXY USA, INC.
COVINGTON A FEDERAL 0002
LEA COUNTY, NEW MEXICO
NMOCD REF. #: 1RP-4816**



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	HACH QUANTAB
				CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Level (RRAL)				1,000
SP-1 @ 6"	0.5'	9/13/2017	In-Situ	<128
SP-2 @ 6"	0.5'	9/13/2017	In-Situ	16,828
SP-2 @ 1.5'	1.5'	9/13/2017	In-Situ	560
SP-2 @ 2.5'	2.5'	9/13/2017	In-Situ	356
SP-2 @ 3'	3'	9/13/2017	In-Situ	1,224
SP-2 @ 4.5'	4.5'	9/21/2017	In-Situ	356
SP-2 @ 6'	6'	9/21/2017	In-Situ	1,780
SP-2 @ 7'	7'	9/21/2017	In-Situ	472
SP-2 @ 8.5'	8.5'	9/21/2017	In-Situ	<128
SP-3 @ 6"	0.5'	9/13/2017	In-Situ	6,224
SP-3 @ 1.5'	1.5'	9/13/2017	In-Situ	2,340
SP-3 @ 2.5'	2.5'	9/13/2017	In-Situ	1,532
SP-3 @ 4'	4'	9/21/2017	In-Situ	1,224
SP-3 @ 6'	6'	9/21/2017	In-Situ	320
SP-3 @ 7'	7'	9/21/2017	In-Situ	<128
SP-4 @ 6"	0.5'	9/13/2017	In-Situ	1,920
SP-4 @ 1.5'	1.5'	9/13/2017	In-Situ	1,420
SP-4 @ 2.5'	2.5'	9/13/2017	In-Situ	1,648
SP-4 @ 4.5'	4.5'	9/21/2017	In-Situ	1,780
SP-4 @ 7'	7'	9/21/2017	In-Situ	1,136
SP-4 @ 8'	8'	9/21/2017	In-Situ	776
SP-4 @ 9.5'	9.5'	9/21/2017	In-Situ	204
SP-5 @ 6"	0.5'	9/13/2017	In-Situ	3,560
SP-5 @ 1.5'	1.5'	9/13/2017	In-Situ	836
SP-5 @ 2.5'	2.5'	9/13/2017	In-Situ	2,225
SP-5 @ 3'	3'	9/13/2017	In-Situ	2,780
SP-5 @ 4'	4'	9/21/2017	In-Situ	4,180
SP-5 @ 6'	6.0'	9/21/2017	In-Situ	2,076
SP-5 @ 8'	8.0'	9/21/2017	In-Situ	1,224
SP-5 @ 9.5'	9.5'	9/21/2017	In-Situ	776
SP-5 @ 10.5'	10.5'	9/21/2017	In-Situ	1,420
SP-5 @ 12'	12'	9/21/2017	In-Situ	836
SP-5 @ 13.5'	13.5'	9/21/2017	In-Situ	356
SP-5 @ 14.5'	14.5'	9/21/2017	In-Situ	512

Concentrations in BOLD exceed the NMOCD RRAL

Appendices

Appendix A

Release Notification &

Corrective Action (Form C-141)

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

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

Form C-141
Revised April 3, 2017

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

Release Notification and Corrective Action

OPERATOR

☒ Initial Report ☐ Final Report

Name of Company	OXY USA, Inc.	Contact	Wade Dittrich
Address	P.O. Box 4294, Houston, TX 77210	Telephone No.	(575)390-2828
Facility Name	Covington A Federal 0002	Facility Type	P&E

Surface Owner	Federal	Mineral Owner	Federal	API No.	30-025-31850
---------------	---------	---------------	---------	---------	--------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
D	25	22S	23E	330	N	650	W	Lea

Latitude 32.369120 Longitude -103.6342 NAD83

NATURE OF RELEASE

Type of Release	Produced water & crude oil	Volume of Release	8 bbls Produced Water & 4 bbls Crude Oil	Volume Recovered	0 bbls
Source of Release	Stuffing box leak	Date and Hour of Occurrence	8/29/2017, Time unknown	Date and Hour of Discovery	8/29/2017, 12:00 PM
Was Immediate Notice Given?	☐ Yes ☐ No ☒ Not Required	If YES, To Whom?	Olivia Yu - NMOCD; Shirley Tucker - BLM		
By Whom?	Wade Dittrich	Date and Hour	9/1/2017, 8:42 AM		
Was a Watercourse Reached?	☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.			

RECEIVED

By Olivia Yu at 4:15 pm, Sep 20, 2017

If a Watercourse was Impacted, Describe Fully.*

Describe Cause of Problem and Remedial Action Taken.*

Spill caused by a stuffing box leak. The stuffing box has been repaired.

Describe Area Affected and Cleanup Action Taken.*

The released fluid and overspray affected an area of the well pad measuring approximately 6,000 sq. ft. An area of the pasture adjacent to the pad measuring approximately 90 sq. ft. was also impacted. Remediation of the impacted area will be conducted in accordance with NMOCD and BLM guidelines.

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

Signature: 		OIL CONSERVATION DIVISION	
Printed Name: Wade Dittrich		Approved by Environmental Specialist: 	
Title: Environmental Coordinator		Approval Date: 9/20/2017	Expiration Date:
E-mail Address: wade_dittrich@oxy.com		Conditions of Approval:	Attached ☒
Date: 9/5/2017	Phone: (575) 390-2828	see attached directive	

* Attach Additional Sheets If Necessary

1RP-4816

nOY1726358316

pOY1726358626

Appendix B

Photographs



Covington A Federal 0002- Release (Looking West)



Covington A Federal 0002- Release (Looking Southwest)



Covington A Federal 0002– Release (Looking South)



Covington A Federal 0002– Release (Looking Southeast)



Covington A Federal 0002– Release (Looking Northeast)



Covington A Federal 0002– Release (Looking Southeast)



Covington A Federal 0002– Release (Looking East)



Covington A Federal 0002– Primary Pooling Area (Looking East-Southeast)



Covington A Federal 0002– Primary Pooling Area (Looking West-Northwest)



Covington A Federal 0002– Release (Looking South-Southwest)



Covington A Federal 0002– Overspray Area (Looking Northwest)



Covington A Federal 0002– Overspray Area (Looking Northwest)

Appendix C

Laboratory Analytical Reports



Certificate of Analysis Summary 563207

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Covington A Federal 0002



Project Id:

Contact: Ben Arguijo

Project Location: NM

Date Received in Lab: Mon Sep-18-17 09:25 am

Report Date: 28-SEP-17

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	563207-001	563207-002	563207-003	563207-004	563207-005	563207-006
	Field Id:	SP-1 @ 6"	SP-2 @ 6"	SP-2 @ 2.5'	SP-2 @ 3'	SP-3 @ 6"	SP-3 @ 2.5'
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Sep-13-17 12:14	Sep-13-17 12:28	Sep-13-17 12:47	Sep-13-17 13:00	Sep-13-17 13:11	Sep-13-17 13:28
BTEX by EPA 8021B	Extracted:		Sep-25-17 16:50	Sep-25-17 16:50	Sep-25-17 16:50	Sep-27-17 12:00	Sep-25-17 09:00
	Analyzed:		Sep-25-17 23:43	Sep-25-17 23:05	Sep-26-17 07:15	Sep-27-17 16:38	Sep-25-17 16:31
	Units/RL:		mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
	Benzene		<0.00332 0.00332	<0.00341 0.00341	<0.00338 0.00338	<0.00358 0.00358	<0.00200 0.00200
	Toluene		0.0388 0.00332	<0.00341 0.00341	0.00338 0.00338	0.00394 0.00358	<0.00200 0.00200
Ethylbenzene			0.0331 0.00332	<0.00341 0.00341	<0.00338 0.00338	0.00627 0.00358	<0.00200 0.00200
m,p-Xylenes			0.345 0.00664	<0.00683 0.00683	0.0124 0.00676	0.0760 0.00717	0.00735 0.00399
o-Xylene			0.149 0.00332	<0.00341 0.00341	0.00576 0.00338	0.0487 0.00358	0.00577 0.00200
Total Xylenes			0.494 0.00332	<0.00341 0.00341	0.0182 0.00338	0.125 0.00358	0.0131 0.00200
Total BTEX			0.566 0.00332	<0.00341 0.00341	0.0215 0.00338	0.135 0.00358	0.0131 0.00200
Chloride by EPA 300	Extracted:	Sep-25-17 15:35	Sep-25-17 15:35	Sep-25-17 15:35	Sep-25-17 15:35	Sep-25-17 15:35	Sep-25-17 15:35
	Analyzed:	Sep-25-17 18:29	Sep-25-17 22:19	Sep-25-17 22:40	Sep-25-17 22:47	Sep-25-17 22:54	Sep-25-17 23:01
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
	Chloride	8.06 4.96	6110 24.9	492 4.96	290 4.93	5210 25.0	254 4.97
TPH By SW8015 Mod	Extracted:	Sep-21-17 14:00	Sep-21-17 14:00	Sep-21-17 14:00	Sep-21-17 14:00	Sep-21-17 14:00	Sep-21-17 14:00
	Analyzed:	Sep-22-17 05:07	Sep-22-17 05:28	Sep-22-17 06:11	Sep-22-17 08:16	Sep-22-17 08:36	Sep-22-17 08:57
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
	Gasoline Range Hydrocarbons (GRO)	170 74.7	65.6 15.0	<15.0 15.0	<15.0 15.0	16.9 15.0	<15.0 15.0
	Diesel Range Organics (DRO)	7140 74.7	2150 15.0	<15.0 15.0	73.9 15.0	405 15.0	63.2 15.0
Oil Range Hydrocarbons (ORO)		1080 74.7	390 15.0	<15.0 15.0	<15.0 15.0	72.4 15.0	<15.0 15.0
Total TPH		8390 74.7	2610 15.0	<15.0 15.0	73.9 15.0	494 15.0	63.2 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

Version: 1.9%

Holly Taylor
Project Manager



Certificate of Analysis Summary 563207

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Covington A Federal 0002



Project Id:

Contact: Ben Arguijo

Project Location: NM

Date Received in Lab: Mon Sep-18-17 09:25 am

Report Date: 28-SEP-17

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	563207-007	563207-008	563207-009	563207-010	563207-011	563207-012
	<i>Field Id:</i>	SP-4 @ 6"	SP-4 @ 1.5'	SP-4 @ 2.5'	SP-5 @ 6"	SP-5 @ 1.5'	SP-5 @ 3'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Sep-13-17 13:40	Sep-13-17 13:48	Sep-13-17 13:54	Sep-13-17 14:07	Sep-13-17 14:15	Sep-13-17 14:28
BTEX by EPA 8021B	<i>Extracted:</i>	Sep-25-17 16:50	Sep-25-17 09:00	Sep-25-17 09:00	Sep-25-17 16:50	Sep-25-17 09:00	Sep-25-17 09:00
	<i>Analyzed:</i>	Sep-26-17 07:34	Sep-25-17 17:08	Sep-25-17 17:27	Sep-25-17 23:24	Sep-25-17 17:46	Sep-25-17 18:05
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00348 0.00348	<0.00202 0.00202	<0.00199 0.00199	<0.00339 0.00339	<0.00201 0.00201	<0.00199 0.00199
Toluene		0.00570 0.00348	<0.00202 0.00202	<0.00199 0.00199	0.00997 0.00339	<0.00201 0.00201	<0.00199 0.00199
Ethylbenzene		0.00749 0.00348	<0.00202 0.00202	<0.00199 0.00199	0.0177 0.00339	<0.00201 0.00201	<0.00199 0.00199
m,p-Xylenes		0.0760 0.00697	<0.00404 0.00404	<0.00398 0.00398	0.146 0.00678	<0.00402 0.00402	0.0167 0.00398
o-Xylene		0.00969 0.00348	<0.00202 0.00202	0.00437 0.00199	0.0763 0.00339	<0.00201 0.00201	0.0125 0.00199
Total Xylenes		0.0857 0.00348	<0.00202 0.00202	0.00437 0.00199	0.222 0.00339	<0.00201 0.00201	0.0292 0.00199
Total BTEX		0.0989 0.00348	<0.00202 0.00202	0.00437 0.00199	0.250 0.00339	<0.00201 0.00201	0.0292 0.00199
Chloride by EPA 300	<i>Extracted:</i>	Sep-25-17 15:35	Sep-25-17 15:35	Sep-25-17 15:35	Sep-25-17 17:20	Sep-25-17 17:20	Sep-25-17 17:20
	<i>Analyzed:</i>	Sep-25-17 23:08	Sep-26-17 10:01	Sep-26-17 10:08	Sep-26-17 11:59	Sep-26-17 12:06	Sep-26-17 12:13
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		5640 24.9	95.3 4.97	102 4.91	624 4.93	1120 4.98	1360 4.92
TPH By SW8015 Mod	<i>Extracted:</i>	Sep-21-17 14:00	Sep-21-17 14:00	Sep-21-17 14:00	Sep-21-17 14:00	Sep-21-17 14:00	Sep-21-17 14:00
	<i>Analyzed:</i>	Sep-22-17 09:16	Sep-22-17 09:36	Sep-22-17 09:57	Sep-22-17 10:17	Sep-22-17 10:37	Sep-22-17 10:57
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	<14.9 14.9	16.3 15.0	<15.0 15.0	<15.0 15.0
Diesel Range Organics (DRO)		379 15.0	<15.0 15.0	17.7 14.9	526 15.0	55.3 15.0	49.9 15.0
Oil Range Hydrocarbons (ORO)		61.0 15.0	<15.0 15.0	<14.9 14.9	91.4 15.0	<15.0 15.0	<15.0 15.0
Total TPH		440 15.0	<15.0 15.0	17.7 14.9	634 15.0	55.3 15.0	49.9 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

Version: 1.9%

Holly Taylor
Project Manager

Analytical Report 563207
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo
Covington A Federal 0002

28-SEP-17

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

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

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



28-SEP-17

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

Reference: XENCO Report No(s): **563207**
Covington A Federal 0002
Project Address: NM

Ben Arguijo:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 563207. 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. 563207 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 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Covington A Federal 0002

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1 @ 6"	S	09-13-17 12:14		563207-001
SP-2 @ 6"	S	09-13-17 12:28		563207-002
SP-2 @ 2.5'	S	09-13-17 12:47		563207-003
SP-2 @ 3'	S	09-13-17 13:00		563207-004
SP-3 @ 6"	S	09-13-17 13:11		563207-005
SP-3 @ 2.5'	S	09-13-17 13:28		563207-006
SP-4 @ 6"	S	09-13-17 13:40		563207-007
SP-4 @ 1.5'	S	09-13-17 13:48		563207-008
SP-4 @ 2.5'	S	09-13-17 13:54		563207-009
SP-5 @ 6"	S	09-13-17 14:07		563207-010
SP-5 @ 1.5'	S	09-13-17 14:15		563207-011
SP-5 @ 3'	S	09-13-17 14:28		563207-012



CASE NARRATIVE

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

Project Name: *Covington A Federal 0002*

Project ID:
Work Order Number(s): 563207

Report Date: 28-SEP-17
Date Received: 09/18/2017

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3028672 BTEX by EPA 8021B

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

Samples affected are: 563207-008.

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

Batch: LBA-3028678 BTEX by EPA 8021B

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

Batch: LBA-3028904 BTEX by EPA 8021B

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



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-1 @ 6"**
Lab Sample Id: 563207-001

Matrix: Soil
Date Collected: 09.13.17 12.14

Date Received: 09.18.17 09.25

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3028831

Prep Method: E300P
% Moisture:
Date Prep: 09.25.17 15.35
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8.06	4.96	mg/kg	09.25.17 18.29		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3028437

Prep Method: TX1005P
% Moisture:
Date Prep: 09.21.17 14.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	170	74.7	mg/kg	09.22.17 05.07		5
Diesel Range Organics (DRO)	C10C28DRO	7140	74.7	mg/kg	09.22.17 05.07		5
Oil Range Hydrocarbons (ORO)	PHCG2835	1080	74.7	mg/kg	09.22.17 05.07		5
Total TPH	PHC635	8390	74.7	mg/kg	09.22.17 05.07		5
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	101	%	70-135	09.22.17 05.07		
o-Terphenyl	84-15-1	107	%	70-135	09.22.17 05.07		



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-2 @ 6"**
Lab Sample Id: 563207-002

Matrix: Soil
Date Collected: 09.13.17 12.28

Date Received: 09.18.17 09.25

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3028831

Prep Method: E300P
% Moisture:
Date Prep: 09.25.17 15.35
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6110	24.9	mg/kg	09.25.17 22.19		5

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3028437

Prep Method: TX1005P
% Moisture:
Date Prep: 09.21.17 14.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	65.6	15.0	mg/kg	09.22.17 05.28		1
Diesel Range Organics (DRO)	C10C28DRO	2150	15.0	mg/kg	09.22.17 05.28		1
Oil Range Hydrocarbons (ORO)	PHCG2835	390	15.0	mg/kg	09.22.17 05.28		1
Total TPH	PHC635	2610	15.0	mg/kg	09.22.17 05.28		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	99	%	70-135	09.22.17 05.28		
o-Terphenyl	84-15-1	81	%	70-135	09.22.17 05.28		



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-2 @ 6"**
Lab Sample Id: 563207-002

Matrix: Soil
Date Collected: 09.13.17 12.28

Date Received: 09.18.17 09.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.25.17 16.50

Basis: Wet Weight

Seq Number: 3028678

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00332	0.00332	mg/kg	09.25.17 23.43	U	1
Toluene	108-88-3	0.0388	0.00332	mg/kg	09.25.17 23.43		1
Ethylbenzene	100-41-4	0.0331	0.00332	mg/kg	09.25.17 23.43		1
m,p-Xylenes	179601-23-1	0.345	0.00664	mg/kg	09.25.17 23.43		1
o-Xylene	95-47-6	0.149	0.00332	mg/kg	09.25.17 23.43		1
Total Xylenes	1330-20-7	0.494	0.00332	mg/kg	09.25.17 23.43		1
Total BTEX		0.566	0.00332	mg/kg	09.25.17 23.43		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	96		%	80-120	09.25.17 23.43	
4-Bromofluorobenzene	460-00-4	87		%	80-120	09.25.17 23.43	



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-2 @ 2.5'**

Matrix: Soil

Date Received: 09.18.17 09.25

Lab Sample Id: 563207-003

Date Collected: 09.13.17 12.47

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 09.25.17 15.35

Basis: Wet Weight

Seq Number: 3028831

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	492	4.96	mg/kg	09.25.17 22.40		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 09.21.17 14.00

Basis: Wet Weight

Seq Number: 3028437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.22.17 06.11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	09.22.17 06.11	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.22.17 06.11	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	09.22.17 06.11	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	102	%	70-135	09.22.17 06.11		
o-Terphenyl	84-15-1	97	%	70-135	09.22.17 06.11		



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-2 @ 2.5'**

Matrix: Soil

Date Received: 09.18.17 09.25

Lab Sample Id: 563207-003

Date Collected: 09.13.17 12.47

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.25.17 16.50

Basis: Wet Weight

Seq Number: 3028678

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00341	0.00341	mg/kg	09.25.17 23.05	U	1
Toluene	108-88-3	<0.00341	0.00341	mg/kg	09.25.17 23.05	U	1
Ethylbenzene	100-41-4	<0.00341	0.00341	mg/kg	09.25.17 23.05	U	1
m,p-Xylenes	179601-23-1	<0.00683	0.00683	mg/kg	09.25.17 23.05	U	1
o-Xylene	95-47-6	<0.00341	0.00341	mg/kg	09.25.17 23.05	U	1
Total Xylenes	1330-20-7	<0.00341	0.00341	mg/kg	09.25.17 23.05	U	1
Total BTEX		<0.00341	0.00341	mg/kg	09.25.17 23.05	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	82	%	80-120	09.25.17 23.05		
1,4-Difluorobenzene	540-36-3	94	%	80-120	09.25.17 23.05		



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-2 @ 3'**
Lab Sample Id: 563207-004

Matrix: Soil
Date Collected: 09.13.17 13.00

Date Received: 09.18.17 09.25

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3028831

Prep Method: E300P
% Moisture:
Basis: Wet Weight
Date Prep: 09.25.17 15.35

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	290	4.93	mg/kg	09.25.17 22.47		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3028437

Prep Method: TX1005P
% Moisture:
Basis: Wet Weight
Date Prep: 09.21.17 14.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.22.17 08.16	U	1
Diesel Range Organics (DRO)	C10C28DRO	73.9	15.0	mg/kg	09.22.17 08.16		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.22.17 08.16	U	1
Total TPH	PHC635	73.9	15.0	mg/kg	09.22.17 08.16		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	103	%	70-135	09.22.17 08.16		
o-Terphenyl	84-15-1	99	%	70-135	09.22.17 08.16		



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-2 @ 3'**
Lab Sample Id: 563207-004

Matrix: Soil
Date Collected: 09.13.17 13.00

Date Received: 09.18.17 09.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.25.17 16.50

Basis: Wet Weight

Seq Number: 3028678

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00338	0.00338	mg/kg	09.26.17 07.15	U	1
Toluene	108-88-3	0.00338	0.00338	mg/kg	09.26.17 07.15		1
Ethylbenzene	100-41-4	<0.00338	0.00338	mg/kg	09.26.17 07.15	U	1
m,p-Xylenes	179601-23-1	0.0124	0.00676	mg/kg	09.26.17 07.15		1
o-Xylene	95-47-6	0.00576	0.00338	mg/kg	09.26.17 07.15		1
Total Xylenes	1330-20-7	0.0182	0.00338	mg/kg	09.26.17 07.15		1
Total BTEX		0.0215	0.00338	mg/kg	09.26.17 07.15		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	84	%	80-120	09.26.17 07.15		
1,4-Difluorobenzene	540-36-3	90	%	80-120	09.26.17 07.15		



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-3 @ 6"**
Lab Sample Id: 563207-005

Matrix: Soil
Date Collected: 09.13.17 13.11

Date Received: 09.18.17 09.25

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3028831

Prep Method: E300P
% Moisture:
Date Prep: 09.25.17 15.35
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5210	25.0	mg/kg	09.25.17 22.54		5

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3028437

Prep Method: TX1005P
% Moisture:
Date Prep: 09.21.17 14.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	16.9	15.0	mg/kg	09.22.17 08.36		1
Diesel Range Organics (DRO)	C10C28DRO	405	15.0	mg/kg	09.22.17 08.36		1
Oil Range Hydrocarbons (ORO)	PHCG2835	72.4	15.0	mg/kg	09.22.17 08.36		1
Total TPH	PHC635	494	15.0	mg/kg	09.22.17 08.36		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	101	%	70-135	09.22.17 08.36		
o-Terphenyl	84-15-1	98	%	70-135	09.22.17 08.36		



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-3 @ 6"**
Lab Sample Id: 563207-005

Matrix: Soil
Date Collected: 09.13.17 13.11

Date Received: 09.18.17 09.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.27.17 12.00

Basis: Wet Weight

Seq Number: 3028904

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00358	0.00358	mg/kg	09.27.17 16.38	U	1
Toluene	108-88-3	0.00394	0.00358	mg/kg	09.27.17 16.38		1
Ethylbenzene	100-41-4	0.00627	0.00358	mg/kg	09.27.17 16.38		1
m,p-Xylenes	179601-23-1	0.0760	0.00717	mg/kg	09.27.17 16.38		1
o-Xylene	95-47-6	0.0487	0.00358	mg/kg	09.27.17 16.38		1
Total Xylenes	1330-20-7	0.125	0.00358	mg/kg	09.27.17 16.38		1
Total BTEX		0.135	0.00358	mg/kg	09.27.17 16.38		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	93		%	80-120	09.27.17 16.38	
4-Bromofluorobenzene	460-00-4	87		%	80-120	09.27.17 16.38	



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-3 @ 2.5'**

Matrix: Soil

Date Received: 09.18.17 09.25

Lab Sample Id: 563207-006

Date Collected: 09.13.17 13.28

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 09.25.17 15.35

Basis: Wet Weight

Seq Number: 3028831

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	254	4.97	mg/kg	09.25.17 23.01		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 09.21.17 14.00

Basis: Wet Weight

Seq Number: 3028437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.22.17 08.57	U	1
Diesel Range Organics (DRO)	C10C28DRO	63.2	15.0	mg/kg	09.22.17 08.57		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.22.17 08.57	U	1
Total TPH	PHC635	63.2	15.0	mg/kg	09.22.17 08.57		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	101	%	70-135	09.22.17 08.57		
o-Terphenyl	84-15-1	97	%	70-135	09.22.17 08.57		



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-3 @ 2.5'**

Matrix: Soil

Date Received: 09.18.17 09.25

Lab Sample Id: 563207-006

Date Collected: 09.13.17 13.28

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.25.17 09.00

Basis: Wet Weight

Seq Number: 3028672

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.25.17 16.31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.25.17 16.31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.25.17 16.31	U	1
m,p-Xylenes	179601-23-1	0.00735	0.00399	mg/kg	09.25.17 16.31		1
o-Xylene	95-47-6	0.00577	0.00200	mg/kg	09.25.17 16.31		1
Total Xylenes	1330-20-7	0.0131	0.00200	mg/kg	09.25.17 16.31		1
Total BTEX		0.0131	0.00200	mg/kg	09.25.17 16.31		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87		%	80-120	09.25.17 16.31	
1,4-Difluorobenzene	540-36-3	93		%	80-120	09.25.17 16.31	



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-4 @ 6"**
Lab Sample Id: 563207-007

Matrix: Soil
Date Collected: 09.13.17 13.40

Date Received: 09.18.17 09.25

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3028831

Prep Method: E300P
% Moisture:
Basis: Wet Weight
Date Prep: 09.25.17 15.35

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5640	24.9	mg/kg	09.25.17 23.08		5

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3028437

Prep Method: TX1005P
% Moisture:
Basis: Wet Weight
Date Prep: 09.21.17 14.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.22.17 09.16	U	1
Diesel Range Organics (DRO)	C10C28DRO	379	15.0	mg/kg	09.22.17 09.16		1
Oil Range Hydrocarbons (ORO)	PHCG2835	61.0	15.0	mg/kg	09.22.17 09.16		1
Total TPH	PHC635	440	15.0	mg/kg	09.22.17 09.16		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	104	%	70-135	09.22.17 09.16		
o-Terphenyl	84-15-1	101	%	70-135	09.22.17 09.16		



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-4 @ 6"**
Lab Sample Id: 563207-007

Matrix: Soil
Date Collected: 09.13.17 13.40

Date Received: 09.18.17 09.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.25.17 16.50

Basis: Wet Weight

Seq Number: 3028678

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00348	0.00348	mg/kg	09.26.17 07.34	U	1
Toluene	108-88-3	0.00570	0.00348	mg/kg	09.26.17 07.34		1
Ethylbenzene	100-41-4	0.00749	0.00348	mg/kg	09.26.17 07.34		1
m,p-Xylenes	179601-23-1	0.0760	0.00697	mg/kg	09.26.17 07.34		1
o-Xylene	95-47-6	0.00969	0.00348	mg/kg	09.26.17 07.34		1
Total Xylenes	1330-20-7	0.0857	0.00348	mg/kg	09.26.17 07.34		1
Total BTEX		0.0989	0.00348	mg/kg	09.26.17 07.34		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	87		%	80-120	09.26.17 07.34	
1,4-Difluorobenzene	540-36-3	88		%	80-120	09.26.17 07.34	



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-4 @ 1.5'**

Matrix: Soil

Date Received: 09.18.17 09.25

Lab Sample Id: 563207-008

Date Collected: 09.13.17 13.48

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 09.25.17 15.35

Basis: Wet Weight

Seq Number: 3028831

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	95.3	4.97	mg/kg	09.26.17 10.01		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 09.21.17 14.00

Basis: Wet Weight

Seq Number: 3028437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.22.17 09.36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	09.22.17 09.36	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.22.17 09.36	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	09.22.17 09.36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	103	%	70-135	09.22.17 09.36		
o-Terphenyl	84-15-1	99	%	70-135	09.22.17 09.36		



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-4 @ 1.5'**

Matrix: Soil

Date Received: 09.18.17 09.25

Lab Sample Id: 563207-008

Date Collected: 09.13.17 13.48

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.25.17 09.00

Basis: Wet Weight

Seq Number: 3028672

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	09.25.17 17.08	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	09.25.17 17.08	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	09.25.17 17.08	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	09.25.17 17.08	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	09.25.17 17.08	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	09.25.17 17.08	U	1
Total BTEX		<0.00202	0.00202	mg/kg	09.25.17 17.08	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	109	%	80-120	09.25.17 17.08		
4-Bromofluorobenzene	460-00-4	64	%	80-120	09.25.17 17.08	**	



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-4 @ 2.5'**

Matrix: Soil

Date Received: 09.18.17 09.25

Lab Sample Id: 563207-009

Date Collected: 09.13.17 13.54

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 09.25.17 15.35

Basis: Wet Weight

Seq Number: 3028831

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	102	4.91	mg/kg	09.26.17 10.08		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 09.21.17 14.00

Basis: Wet Weight

Seq Number: 3028437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	09.22.17 09.57	U	1
Diesel Range Organics (DRO)	C10C28DRO	17.7	14.9	mg/kg	09.22.17 09.57		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	09.22.17 09.57	U	1
Total TPH	PHC635	17.7	14.9	mg/kg	09.22.17 09.57		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	99	%	70-135	09.22.17 09.57	
o-Terphenyl	84-15-1	99	%	70-135	09.22.17 09.57	



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-4 @ 2.5'**

Matrix: Soil

Date Received: 09.18.17 09.25

Lab Sample Id: 563207-009

Date Collected: 09.13.17 13.54

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.25.17 09.00

Basis: Wet Weight

Seq Number: 3028672

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.25.17 17.27	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.25.17 17.27	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.25.17 17.27	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.25.17 17.27	U	1
o-Xylene	95-47-6	0.00437	0.00199	mg/kg	09.25.17 17.27		1
Total Xylenes	1330-20-7	0.00437	0.00199	mg/kg	09.25.17 17.27		1
Total BTEX		0.00437	0.00199	mg/kg	09.25.17 17.27		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	92	%	80-120	09.25.17 17.27		
4-Bromofluorobenzene	460-00-4	86	%	80-120	09.25.17 17.27		



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: SP-5 @ 6"

Matrix: Soil

Date Received: 09.18.17 09.25

Lab Sample Id: 563207-010

Date Collected: 09.13.17 14.07

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 09.25.17 17.20

Basis: Wet Weight

Seq Number: 3028705

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	624	4.93	mg/kg	09.26.17 11.59		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 09.21.17 14.00

Basis: Wet Weight

Seq Number: 3028437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	16.3	15.0	mg/kg	09.22.17 10.17		1
Diesel Range Organics (DRO)	C10C28DRO	526	15.0	mg/kg	09.22.17 10.17		1
Oil Range Hydrocarbons (ORO)	PHCG2835	91.4	15.0	mg/kg	09.22.17 10.17		1
Total TPH	PHC635	634	15.0	mg/kg	09.22.17 10.17		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	101	%	70-135	09.22.17 10.17		
o-Terphenyl	84-15-1	97	%	70-135	09.22.17 10.17		



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

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

Matrix: Soil

Date Received: 09.18.17 09.25

Lab Sample Id: 563207-010

Date Collected: 09.13.17 14.07

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.25.17 16.50

Basis: Wet Weight

Seq Number: 3028678

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00339	0.00339	mg/kg	09.25.17 23.24	U	1
Toluene	108-88-3	0.00997	0.00339	mg/kg	09.25.17 23.24		1
Ethylbenzene	100-41-4	0.0177	0.00339	mg/kg	09.25.17 23.24		1
m,p-Xylenes	179601-23-1	0.146	0.00678	mg/kg	09.25.17 23.24		1
o-Xylene	95-47-6	0.0763	0.00339	mg/kg	09.25.17 23.24		1
Total Xylenes	1330-20-7	0.222	0.00339	mg/kg	09.25.17 23.24		1
Total BTEX		0.250	0.00339	mg/kg	09.25.17 23.24		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	94		%	80-120	09.25.17 23.24	
1,4-Difluorobenzene	540-36-3	86		%	80-120	09.25.17 23.24	



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-5 @ 1.5'**

Matrix: Soil

Date Received: 09.18.17 09.25

Lab Sample Id: 563207-011

Date Collected: 09.13.17 14.15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 09.25.17 17.20

Basis: Wet Weight

Seq Number: 3028705

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1120	4.98	mg/kg	09.26.17 12.06		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 09.21.17 14.00

Basis: Wet Weight

Seq Number: 3028437

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.22.17 10.37	U	1
Diesel Range Organics (DRO)	C10C28DRO	55.3	15.0	mg/kg	09.22.17 10.37		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.22.17 10.37	U	1
Total TPH	PHC635	55.3	15.0	mg/kg	09.22.17 10.37		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	102	%	70-135	09.22.17 10.37		
o-Terphenyl	84-15-1	100	%	70-135	09.22.17 10.37		



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: SP-5 @ 1.5'

Matrix: Soil

Date Received: 09.18.17 09.25

Lab Sample Id: 563207-011

Date Collected: 09.13.17 14.15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.25.17 09.00

Basis: Wet Weight

Seq Number: 3028672

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	09.25.17 17.46	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	09.25.17 17.46	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	09.25.17 17.46	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	09.25.17 17.46	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	09.25.17 17.46	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	09.25.17 17.46	U	1
Total BTEX		<0.00201	0.00201	mg/kg	09.25.17 17.46	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	85	%	80-120	09.25.17 17.46		
1,4-Difluorobenzene	540-36-3	94	%	80-120	09.25.17 17.46		



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-5 @ 3'**
Lab Sample Id: 563207-012

Matrix: Soil
Date Collected: 09.13.17 14.28

Date Received: 09.18.17 09.25

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3028705

Prep Method: E300P
% Moisture:
Basis: Wet Weight
Date Prep: 09.25.17 17.20

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1360	4.92	mg/kg	09.26.17 12.13		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3028437

Prep Method: TX1005P
% Moisture:
Basis: Wet Weight
Date Prep: 09.21.17 14.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.22.17 10.57	U	1
Diesel Range Organics (DRO)	C10C28DRO	49.9	15.0	mg/kg	09.22.17 10.57		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.22.17 10.57	U	1
Total TPH	PHC635	49.9	15.0	mg/kg	09.22.17 10.57		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	101	%	70-135	09.22.17 10.57		
o-Terphenyl	84-15-1	97	%	70-135	09.22.17 10.57		



Certificate of Analytical Results 563207



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-5 @ 3'**
Lab Sample Id: 563207-012

Matrix: Soil
Date Collected: 09.13.17 14.28

Date Received: 09.18.17 09.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.25.17 09.00

Basis: Wet Weight

Seq Number: 3028672

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.25.17 18.05	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.25.17 18.05	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.25.17 18.05	U	1
m,p-Xylenes	179601-23-1	0.0167	0.00398	mg/kg	09.25.17 18.05		1
o-Xylene	95-47-6	0.0125	0.00199	mg/kg	09.25.17 18.05		1
Total Xylenes	1330-20-7	0.0292	0.00199	mg/kg	09.25.17 18.05		1
Total BTEX		0.0292	0.00199	mg/kg	09.25.17 18.05		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	84	%	80-120	09.25.17 18.05		
1,4-Difluorobenzene	540-36-3	90	%	80-120	09.25.17 18.05		

- 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
Covington A Federal 0002**Analytical Method: Chloride by EPA 300**

Seq Number: 3028831

MB Sample Id: 731502-1-BLK

Matrix: Solid

LCS Sample Id: 731502-1-BKS

Prep Method: E300P

Date Prep: 09.25.17

LCSD Sample Id: 731502-1-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	267	107	267	107	90-110	0	20	mg/kg	09.25.17 16:37	

Analytical Method: Chloride by EPA 300

Seq Number: 3028705

MB Sample Id: 731508-1-BLK

Matrix: Solid

LCS Sample Id: 731508-1-BKS

Prep Method: E300P

Date Prep: 09.25.17

LCSD Sample Id: 731508-1-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	273	109	274	110	90-110	0	20	mg/kg	09.26.17 10:35	

Analytical Method: Chloride by EPA 300

Seq Number: 3028831

Parent Sample Id: 563207-001

Matrix: Soil

MS Sample Id: 563207-001 S

Prep Method: E300P

Date Prep: 09.25.17

MSD Sample Id: 563207-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	8.06	248	271	106	273	107	90-110	1	20	mg/kg	09.25.17 21:58	

Analytical Method: Chloride by EPA 300

Seq Number: 3028831

Parent Sample Id: 563221-004

Matrix: Soil

MS Sample Id: 563221-004 S

Prep Method: E300P

Date Prep: 09.25.17

MSD Sample Id: 563221-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	65.0	249	326	105	325	104	90-110	0	20	mg/kg	09.25.17 16:58	

Analytical Method: Chloride by EPA 300

Seq Number: 3028705

Parent Sample Id: 563445-002

Matrix: Soil

MS Sample Id: 563445-002 S

Prep Method: E300P

Date Prep: 09.25.17

MSD Sample Id: 563445-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1310	246	1520	85	1520	85	90-110	0	20	mg/kg	09.26.17 12:41	X

Analytical Method: Chloride by EPA 300

Seq Number: 3028705

Parent Sample Id: 563777-001

Matrix: Soil

MS Sample Id: 563777-001 S

Prep Method: E300P

Date Prep: 09.25.17

MSD Sample Id: 563777-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	1670	249	1910	96	1950	112	90-110	2	20	mg/kg	09.26.17 14:19	X



QC Summary 563207

Trinity Oilfield Services & Rentals, LLC Covington A Federal 0002

Analytical Method: TPH By SW8015 Mod

Seq Number: 3028437

MB Sample Id: 731370-1-BLK

Matrix: Solid

LCS Sample Id: 731370-1-BKS

Prep Method: TX1005P

Date Prep: 09.21.17

LCSD Sample Id: 731370-1-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	1040	104	1070	107	70-135	3	35	mg/kg	09.22.17 04:24	
Diesel Range Organics (DRO)	<15.0	1000	1110	111	1130	113	70-135	2	35	mg/kg	09.22.17 04:24	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	112		105		104		70-135	%	09.22.17 04:24			
o-Terphenyl	107		100		106		70-135	%	09.22.17 04:24			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3028437

Parent Sample Id: 563207-003

Matrix: Soil

MS Sample Id: 563207-003 S

Prep Method: TX1005P

Date Prep: 09.21.17

MSD Sample Id: 563207-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	997	1070	107	1030	103	70-135	4	35	mg/kg	09.22.17 07:36	
Diesel Range Organics (DRO)	<15.0	997	1110	111	1120	112	70-135	1	35	mg/kg	09.22.17 07:36	
Surrogate			MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane			104		103		70-135	%	09.22.17 07:36			
o-Terphenyl			102		103		70-135	%	09.22.17 07:36			

Analytical Method: BTEX by EPA 8021B

Seq Number: 3028672

MB Sample Id: 731515-1-BLK

Matrix: Solid

LCS Sample Id: 731515-1-BKS

Prep Method: SW5030B

Date Prep: 09.25.17

LCSD Sample Id: 731515-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0994	0.108	109	0.109	109	70-130	1	35	mg/kg	09.25.17 10:09	
Toluene	<0.00199	0.0994	0.102	103	0.103	103	70-130	1	35	mg/kg	09.25.17 10:09	
Ethylbenzene	<0.00199	0.0994	0.102	103	0.103	103	71-129	1	35	mg/kg	09.25.17 10:09	
m,p-Xylenes	<0.00398	0.199	0.199	100	0.201	101	70-135	1	35	mg/kg	09.25.17 10:09	
o-Xylene	<0.00199	0.0994	0.0956	96	0.0967	97	71-133	1	35	mg/kg	09.25.17 10:09	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1,4-Difluorobenzene	94		98		98		80-120	%	09.25.17 10:09			
4-Bromofluorobenzene	80		91		92		80-120	%	09.25.17 10:09			

Trinity Oilfield Services & Rentals, LLC
Covington A Federal 0002

Analytical Method: BTEX by EPA 8021B

Seq Number: 3028678

MB Sample Id: 731517-1-BLK

Matrix: Solid

LCS Sample Id: 731517-1-BKS

Prep Method: SW5030B

Date Prep: 09.25.17

LCSD Sample Id: 731517-1-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	0.110	110	0.107	107	70-130	3	35	mg/kg	09.25.17 19:40	
Toluene	<0.00200	0.100	0.103	103	0.100	100	70-130	3	35	mg/kg	09.25.17 19:40	
Ethylbenzene	<0.00200	0.100	0.103	103	0.0998	100	71-129	3	35	mg/kg	09.25.17 19:40	
m,p-Xylenes	<0.00401	0.200	0.200	100	0.194	97	70-135	3	35	mg/kg	09.25.17 19:40	
o-Xylene	<0.00200	0.100	0.0967	97	0.0947	95	71-133	2	35	mg/kg	09.25.17 19:40	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		97		97		80-120	%	09.25.17 19:40
4-Bromofluorobenzene	82		90		91		80-120	%	09.25.17 19:40

Analytical Method: BTEX by EPA 8021B

Seq Number: 3028904

MB Sample Id: 731713-1-BLK

Matrix: Solid

LCS Sample Id: 731713-1-BKS

Prep Method: SW5030B

Date Prep: 09.27.17

LCSD Sample Id: 731713-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.114	114	0.107	106	70-130	6	35	mg/kg	09.27.17 14:26	
Toluene	<0.00200	0.0998	0.106	106	0.101	100	70-130	5	35	mg/kg	09.27.17 14:26	
Ethylbenzene	<0.00200	0.0998	0.104	104	0.100	99	71-129	4	35	mg/kg	09.27.17 14:26	
m,p-Xylenes	<0.00399	0.200	0.201	101	0.195	97	70-135	3	35	mg/kg	09.27.17 14:26	
o-Xylene	<0.00200	0.0998	0.0991	99	0.0935	93	71-133	6	35	mg/kg	09.27.17 14:26	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		102		98		80-120	%	09.27.17 14:26
4-Bromofluorobenzene	81		94		89		80-120	%	09.27.17 14:26

Analytical Method: BTEX by EPA 8021B

Seq Number: 3028672

Parent Sample Id: 563632-001

Matrix: Soil

MS Sample Id: 563632-001 S

Prep Method: SW5030B

Date Prep: 09.25.17

MSD Sample Id: 563632-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	0.00219	0.101	0.0693	66	0.0777	75	70-130	11	35	mg/kg	09.25.17 10:47	X
Toluene	0.00958	0.101	0.0566	47	0.0645	54	70-130	13	35	mg/kg	09.25.17 10:47	X
Ethylbenzene	<0.00201	0.101	0.0414	41	0.0423	42	71-129	2	35	mg/kg	09.25.17 10:47	X
m,p-Xylenes	0.00431	0.201	0.0788	37	0.0798	37	70-135	1	35	mg/kg	09.25.17 10:47	X
o-Xylene	<0.00201	0.101	0.0420	42	0.0416	41	71-133	1	35	mg/kg	09.25.17 10:47	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		111		80-120	%	09.25.17 10:47
4-Bromofluorobenzene	83		103		80-120	%	09.25.17 10:47



QC Summary 563207

Trinity Oilfield Services & Rentals, LLC Covington A Federal 0002

Analytical Method: BTEX by EPA 8021B

Seq Number: 3028678

Parent Sample Id: 563676-001

Matrix: Soil

MS Sample Id: 563676-001 S

Prep Method: SW5030B

Date Prep: 09.25.17

MSD Sample Id: 563676-001 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	0.0872	86	0.0798	80	70-130	9	35	mg/kg	09.25.17 20:18	
Toluene	0.00609	0.101	0.0801	73	0.0763	70	70-130	5	35	mg/kg	09.25.17 20:18	
Ethylbenzene	<0.00202	0.101	0.0656	65	0.0668	67	71-129	2	35	mg/kg	09.25.17 20:18	X
m,p-Xylenes	<0.00404	0.202	0.125	62	0.130	65	70-135	4	35	mg/kg	09.25.17 20:18	X
o-Xylene	<0.00202	0.101	0.0627	62	0.0643	64	71-133	3	35	mg/kg	09.25.17 20:18	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	95		94		80-120	%	09.25.17 20:18
4-Bromofluorobenzene	87		88		80-120	%	09.25.17 20:18

Analytical Method: BTEX by EPA 8021B

Seq Number: 3028904

Parent Sample Id: 563780-003

Matrix: Soil

MS Sample Id: 563780-003 S

Prep Method: SW5030B

Date Prep: 09.27.17

MSD Sample Id: 563780-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.0906	90	0.0913	91	70-130	1	35	mg/kg	09.27.17 15:04	
Toluene	<0.00201	0.101	0.0854	85	0.0867	87	70-130	2	35	mg/kg	09.27.17 15:04	
Ethylbenzene	<0.00201	0.101	0.0837	83	0.0852	85	71-129	2	35	mg/kg	09.27.17 15:04	
m,p-Xylenes	<0.00402	0.201	0.163	81	0.166	83	70-135	2	35	mg/kg	09.27.17 15:04	
o-Xylene	<0.00201	0.101	0.0791	78	0.0810	81	71-133	2	35	mg/kg	09.27.17 15:04	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		98		80-120	%	09.27.17 15:04
4-Bromofluorobenzene	92		93		80-120	%	09.27.17 15:04



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
770001-C

Page 1 of 2

LAB W.O #:

Field billable Hrs :

563207

* Container Type Codes

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

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

** Preservative Type Codes

A.	None	E.	HCL	I.	Ice
B.	HNO ₃	F.	MeOH	J.	MCAA
H.	HSO ₄	G.	Na ₂ S ₂ O ₅	K.	ZnAc ₂ &NaOH
D.	NaOH	H.	NaHSO ₄	L.	Asbic Acid&NaOH
O.					

^ Matrix Type Codes

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

REMARKS

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:	Covington A Federal 0002	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 820C	TPH	BTEX	Chloride	Hold Sample (CALL) Run P&H on Highest TPH Only
1	SP-1 @ 6"	9/13/17	1214	S			1		X			
2	SP-2 @ 6"	9/13/17	1228	S			1		X			
3	SP-2 @ 2.5'	9/13/17	1247	S			1		X			
4	SP-2 @ 3'	9/13/17	1300	S			1		X			
5	SP-3 @ 6"	9/13/17	1311	S			1		X			
6	SP-3 @ 2.5'	9/13/17	1328	S			1		X			
7	SP-4 @ 6"	9/13/17	1340	S			1		X			
8	SP-4 @ 1.5'	9/13/17	1348	S			1		X			
9	SP-4 @ 2.5'	9/13/17	1354	S			1		X			
0	SP-5 @ 6"	9/13/17	1407	S			1		X			

Reg. Program / Clean-up Std	STATE for Certs & Regs	QA/QC Level & Certification	EDDs	COC & Labels	Coolers - Temp °C
CTLs TRRP DW NPDES LPST DryChn 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
Relinquished by	Attestation	Date	Time	Received by	Attestation
Duskie Bennett	Trinity	9/18/17	0918	Mail Services E.G	
				Thanneth 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 602-437-0330
FTS Service Centers: Atlanta 770-449-8800 Lakeland 863-646-8526 Tampa 803-543-8099 Philadelphia 610-955-5649 South Carolina 803-543-8099

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

Revision Date:

Temp: 3.4
CF: (0-6: -0.2°C)
(6-23: +0.2°C)

Corrected Temp: 3.2

IR ID: R-8



Page 36 of 37



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 09/18/2017 09:25:00 AM

Work Order #: 563207

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)?	N/A
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Jessica Kramer

Jessica Kramer

Date: 09/19/2017

Checklist reviewed by:

Holly Taylor

Holly Taylor

Date: 09/19/2017



Certificate of Analysis Summary 563850

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Covington A Federal 0002



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Mon Sep-25-17 03:19 pm

Report Date: 03-OCT-17

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	563850-001	563850-002	563850-003	563850-004	563850-005	563850-006
	Field Id:	SP-2 @ 4.5'	SP-2 @ 6'	SP-2 @ 7'	SP-2 @ 8.5'	SP-3 @ 4'	SP-3 @ 6'
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	Sampled:	Sep-21-17 10:00	Sep-21-17 10:20	Sep-21-17 10:41	Sep-21-17 10:55	Sep-21-17 11:28	Sep-21-17 11:55
BTEX by EPA 8021B	Extracted:	Sep-29-17 15:00	Oct-02-17 09:00	Sep-29-17 15:00	Sep-29-17 15:00	Sep-29-17 15:00	Sep-29-17 15:00
	Analyzed:	Sep-29-17 17:17	Oct-02-17 11:54	Sep-29-17 17:36	Sep-29-17 17:54	Sep-29-17 18:13	Sep-29-17 18:32
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00201 0.00201	<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199
Toluene		<0.00201 0.00201	<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199
Ethylbenzene		<0.00201 0.00201	<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199
m,p-Xylenes		<0.00402 0.00402	<0.00404 0.00404	<0.00401 0.00401	<0.00398 0.00398	<0.00399 0.00399	<0.00398 0.00398
o-Xylene		<0.00201 0.00201	<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199
Total Xylenes		<0.00201 0.00201	<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199
Total BTEX		<0.00201 0.00201	<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00199 0.00199
Chloride by EPA 300	Extracted:	Sep-30-17 12:00	Sep-30-17 12:00	Sep-30-17 12:00	Sep-30-17 12:00	Sep-30-17 12:00	Sep-30-17 12:00
	Analyzed:	Sep-30-17 13:17	Sep-30-17 13:39	Sep-30-17 13:46	Sep-30-17 13:53	Sep-30-17 14:00	Sep-30-17 14:22
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		56.6 4.97	313 4.99	868 4.97	58.7 4.98	450 4.98	361 4.92
TPH By SW8015 Mod	Extracted:	Sep-28-17 14:00	Sep-28-17 14:00	Sep-28-17 14:00	Sep-28-17 14:00	Sep-28-17 14:00	Sep-28-17 14:00
	Analyzed:	Sep-29-17 00:54	Sep-29-17 01:56	Sep-29-17 02:17	Sep-29-17 02:37	Sep-29-17 02:58	Sep-29-17 03:19
	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	<14.9 14.9	<15.0 15.0
Diesel Range Organics (DRO)		<15.0 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		<15.0 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

Version: 1.9%

Holly Taylor
Project Manager



Certificate of Analysis Summary 563850

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Covington A Federal 0002



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Mon Sep-25-17 03:19 pm

Report Date: 03-OCT-17

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	563850-007	563850-008	563850-009	563850-010	563850-011	563850-012
	<i>Field Id:</i>	SP-3 @ 7'	SP-4 @ 4.5'	SP-4 @ 8'	SP-4 @ 9.5'	SP-5 @ 4'	SP-5 @ 9.5'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Sep-21-17 12:08	Sep-21-17 12:30	Sep-21-17 12:54	Sep-21-17 13:05	Sep-21-17 13:29	Sep-21-17 13:49
BTEX by EPA 8021B	<i>Extracted:</i>	Sep-29-17 15:00	Sep-29-17 15:00	Sep-29-17 15:00	Sep-29-17 15:00	Sep-29-17 15:00	Sep-29-17 15:00
	<i>Analyzed:</i>	Sep-29-17 18:51	Sep-29-17 19:10	Sep-29-17 19:28	Sep-29-17 19:47	Sep-29-17 20:06	Sep-29-17 21:03
	<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	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200
Toluene		<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200
Ethylbenzene		<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200
m,p-Xylenes		<0.00399 0.00399	<0.00397 0.00397	<0.00398 0.00398	<0.00399 0.00399	<0.00402 0.00402	<0.00401 0.00401
o-Xylene		<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200
Total Xylenes		<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200
Total BTEX		<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200
Chloride by EPA 300	<i>Extracted:</i>	Sep-30-17 12:00	Sep-30-17 12:00	Sep-30-17 12:00	Sep-30-17 12:00	Sep-30-17 12:00	Sep-30-17 12:00
	<i>Analyzed:</i>	Sep-30-17 14:29	Sep-30-17 14:36	Sep-30-17 14:44	Sep-30-17 14:58	Sep-30-17 14:51	Sep-30-17 15:19
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		389 4.90	2140 24.6	597 4.90	101 4.98	4120 24.6	728 4.99
TPH By SW8015 Mod	<i>Extracted:</i>	Sep-28-17 14:00	Sep-28-17 14:00	Sep-28-17 14:00	Sep-28-17 14:00	Sep-28-17 14:00	Sep-28-17 14:00
	<i>Analyzed:</i>	Sep-29-17 03:39	Sep-29-17 03:59	Sep-29-17 04:20	Sep-29-17 04:41	Sep-29-17 05:43	Sep-29-17 06:03
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Diesel Range Organics (DRO)		85.8 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	22.9 15.0	<15.0 15.0
Oil Range Hydrocarbons (ORO)		22.1 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Total TPH		108 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	22.9 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

Version: 1.9%

Holly Taylor
Project Manager



Certificate of Analysis Summary 563850

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Covington A Federal 0002



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Mon Sep-25-17 03:19 pm

Report Date: 03-OCT-17

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	563850-013	563850-014	563850-015			
	Field Id:	SP-5 @ 10.5'	SP-5 @ 13.5'	SP-5 @ 14.5'			
	Depth:						
	Matrix:	SOIL	SOIL	SOIL			
	Sampled:	Sep-21-17 13:57	Sep-21-17 14:45	Sep-21-17 15:02			
BTEX by EPA 8021B	Extracted:	Sep-29-17 15:00	Sep-29-17 15:00	Sep-29-17 15:00			
	Analyzed:	Sep-29-17 21:22	Sep-29-17 21:40	Sep-29-17 21:59			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		<0.00202 0.00202	<0.00199 0.00199	<0.00200 0.00200			
Toluene		<0.00202 0.00202	<0.00199 0.00199	<0.00200 0.00200			
Ethylbenzene		<0.00202 0.00202	<0.00199 0.00199	<0.00200 0.00200			
m,p-Xylenes		<0.00404 0.00404	<0.00398 0.00398	<0.00401 0.00401			
o-Xylene		<0.00202 0.00202	<0.00199 0.00199	<0.00200 0.00200			
Total Xylenes		<0.00202 0.00202	<0.00199 0.00199	<0.00200 0.00200			
Total BTEX		<0.00202 0.00202	<0.00199 0.00199	<0.00200 0.00200			
Chloride by EPA 300	Extracted:	Sep-30-17 12:00	Sep-30-17 12:00	Sep-30-17 12:00			
	Analyzed:	Sep-30-17 15:27	Sep-30-17 15:48	Sep-30-17 15:55			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		1410 4.98	365 4.94	490 4.98			
TPH By SW8015 Mod	Extracted:	Sep-28-17 14:00	Sep-28-17 14:00	Sep-28-17 14:00			
	Analyzed:	Sep-29-17 06:24	Sep-29-17 06:43	Sep-29-17 07:03			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Gasoline Range Hydrocarbons (GRO)		<14.9 14.9	<15.0 15.0	<15.0 15.0			
Diesel Range Organics (DRO)		<14.9 14.9	<15.0 15.0	20.1 15.0			
Oil Range Hydrocarbons (ORO)		<14.9 14.9	<15.0 15.0	<15.0 15.0			
Total TPH		<14.9 14.9	<15.0 15.0	20.1 15.0			

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

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

Version: 1.0%

Holly Taylor
Project Manager

Analytical Report 563850
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo
Covington A Federal 0002

03-OCT-17

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

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

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



03-OCT-17

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

Reference: XENCO Report No(s): **563850**
Covington A Federal 0002
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) 563850. 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. 563850 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 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Covington A Federal 0002

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-2 @ 4.5'	S	09-21-17 10:00		563850-001
SP-2 @ 6'	S	09-21-17 10:20		563850-002
SP-2 @ 7'	S	09-21-17 10:41		563850-003
SP-2 @ 8.5'	S	09-21-17 10:55		563850-004
SP-3 @ 4'	S	09-21-17 11:28		563850-005
SP-3 @ 6'	S	09-21-17 11:55		563850-006
SP-3 @ 7'	S	09-21-17 12:08		563850-007
SP-4 @ 4.5'	S	09-21-17 12:30		563850-008
SP-4 @ 8'	S	09-21-17 12:54		563850-009
SP-4 @ 9.5'	S	09-21-17 13:05		563850-010
SP-5 @ 4'	S	09-21-17 13:29		563850-011
SP-5 @ 9.5'	S	09-21-17 13:49		563850-012
SP-5 @ 10.5'	S	09-21-17 13:57		563850-013
SP-5 @ 13.5'	S	09-21-17 14:45		563850-014
SP-5 @ 14.5'	S	09-21-17 15:02		563850-015



CASE NARRATIVE

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

Project Name: *Covington A Federal 0002*

Project ID:
Work Order Number(s): 563850

Report Date: 03-OCT-17
Date Received: 09/25/2017

Sample receipt non conformances and comments:

9/29/17 Analyze all samples for BTEX per Ben Arguijo.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3029142 BTEX by EPA 8021B

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

Lab Sample ID 563850-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 563850-001, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015.

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

Batch: LBA-3029255 Chloride by EPA 300

Lab Sample ID 563850-010 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 563850-001, -002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015.

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

Batch: LBA-3029280 BTEX by EPA 8021B

Lab Sample ID 563850-002 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Ethylbenzene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 563850-002.

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

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



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: SP-2 @ 4.5'

Matrix: Soil

Date Received: 09.25.17 15.19

Lab Sample Id: 563850-001

Date Collected: 09.21.17 10.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 09.30.17 12.00

Basis: Wet Weight

Seq Number: 3029255

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	56.6	4.97	mg/kg	09.30.17 13.17		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 09.28.17 14.00

Basis: Wet Weight

Seq Number: 3028991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.29.17 00.54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	09.29.17 00.54	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.29.17 00.54	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	09.29.17 00.54	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	105	%	70-135	09.29.17 00.54		
o-Terphenyl	84-15-1	105	%	70-135	09.29.17 00.54		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-2 @ 4.5'**

Matrix: Soil

Date Received: 09.25.17 15.19

Lab Sample Id: 563850-001

Date Collected: 09.21.17 10.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.29.17 15.00

Basis: Wet Weight

Seq Number: 3029142

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	09.29.17 17.17	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	09.29.17 17.17	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	09.29.17 17.17	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	09.29.17 17.17	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	09.29.17 17.17	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	09.29.17 17.17	U	1
Total BTEX		<0.00201	0.00201	mg/kg	09.29.17 17.17	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	94	%	80-120	09.29.17 17.17		
4-Bromofluorobenzene	460-00-4	88	%	80-120	09.29.17 17.17		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-2 @ 6'**
Lab Sample Id: 563850-002

Matrix: Soil
Date Collected: 09.21.17 10.20

Date Received: 09.25.17 15.19

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3029255

Prep Method: E300P
% Moisture:
Date Prep: 09.30.17 12.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	313	4.99	mg/kg	09.30.17 13.39		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3028991

Prep Method: TX1005P
% Moisture:
Date Prep: 09.28.17 14.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.29.17 01.56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	09.29.17 01.56	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.29.17 01.56	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	09.29.17 01.56	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	09.29.17 01.56	
o-Terphenyl	84-15-1	103	%	70-135	09.29.17 01.56	



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-2 @ 6'**
Lab Sample Id: 563850-002

Matrix: Soil
Date Collected: 09.21.17 10.20

Date Received: 09.25.17 15.19

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.02.17 09.00

Basis: Wet Weight

Seq Number: 3029280

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	10.02.17 11.54	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	10.02.17 11.54	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	10.02.17 11.54	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	10.02.17 11.54	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	10.02.17 11.54	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	10.02.17 11.54	U	1
Total BTEX		<0.00202	0.00202	mg/kg	10.02.17 11.54	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	87	%	80-120	10.02.17 11.54		
1,4-Difluorobenzene	540-36-3	94	%	80-120	10.02.17 11.54		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-2 @ 7'**
Lab Sample Id: 563850-003

Matrix: Soil
Date Collected: 09.21.17 10.41

Date Received: 09.25.17 15.19

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3029255

Prep Method: E300P
% Moisture:
Date Prep: 09.30.17 12.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	868	4.97	mg/kg	09.30.17 13.46		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3028991

Prep Method: TX1005P
% Moisture:
Date Prep: 09.28.17 14.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.29.17 02.17	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	09.29.17 02.17	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.29.17 02.17	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	09.29.17 02.17	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	105	%	70-135	09.29.17 02.17		
o-Terphenyl	84-15-1	103	%	70-135	09.29.17 02.17		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-2 @ 7'**
Lab Sample Id: 563850-003

Matrix: Soil
Date Collected: 09.21.17 10.41

Date Received: 09.25.17 15.19

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.29.17 15.00

Basis: Wet Weight

Seq Number: 3029142

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.29.17 17.36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.29.17 17.36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.29.17 17.36	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	09.29.17 17.36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.29.17 17.36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.29.17 17.36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.29.17 17.36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	87	%	80-120	09.29.17 17.36		
1,4-Difluorobenzene	540-36-3	94	%	80-120	09.29.17 17.36		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-2 @ 8.5'**

Matrix: Soil

Date Received: 09.25.17 15.19

Lab Sample Id: 563850-004

Date Collected: 09.21.17 10.55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 09.30.17 12.00

Basis: Wet Weight

Seq Number: 3029255

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	58.7	4.98	mg/kg	09.30.17 13.53		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 09.28.17 14.00

Basis: Wet Weight

Seq Number: 3028991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.29.17 02.37	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	09.29.17 02.37	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.29.17 02.37	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	09.29.17 02.37	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	105	%	70-135	09.29.17 02.37		
o-Terphenyl	84-15-1	105	%	70-135	09.29.17 02.37		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-2 @ 8.5'**

Matrix: Soil

Date Received: 09.25.17 15.19

Lab Sample Id: 563850-004

Date Collected: 09.21.17 10.55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.29.17 15.00

Basis: Wet Weight

Seq Number: 3029142

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.29.17 17.54	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.29.17 17.54	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.29.17 17.54	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.29.17 17.54	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.29.17 17.54	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.29.17 17.54	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.29.17 17.54	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	87	%	80-120	09.29.17 17.54		
1,4-Difluorobenzene	540-36-3	94	%	80-120	09.29.17 17.54		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-3 @ 4'**
Lab Sample Id: 563850-005

Matrix: Soil
Date Collected: 09.21.17 11.28

Date Received: 09.25.17 15.19

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3029255

Prep Method: E300P
% Moisture:
Basis: Wet Weight
Date Prep: 09.30.17 12.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	450	4.98	mg/kg	09.30.17 14.00		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3028991

Prep Method: TX1005P
% Moisture:
Basis: Wet Weight
Date Prep: 09.28.17 14.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	09.29.17 02.58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	09.29.17 02.58	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	09.29.17 02.58	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	09.29.17 02.58	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	113	%	70-135	09.29.17 02.58		
o-Terphenyl	84-15-1	113	%	70-135	09.29.17 02.58		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-3 @ 4'**
Lab Sample Id: 563850-005

Matrix: Soil
Date Collected: 09.21.17 11.28

Date Received: 09.25.17 15.19

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.29.17 15.00

Basis: Wet Weight

Seq Number: 3029142

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.29.17 18.13	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.29.17 18.13	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.29.17 18.13	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	09.29.17 18.13	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.29.17 18.13	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.29.17 18.13	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.29.17 18.13	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	88	%	80-120	09.29.17 18.13		
1,4-Difluorobenzene	540-36-3	94	%	80-120	09.29.17 18.13		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-3 @ 6'**
Lab Sample Id: 563850-006

Matrix: Soil
Date Collected: 09.21.17 11.55

Date Received: 09.25.17 15.19

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3029255

Prep Method: E300P
% Moisture:
Date Prep: 09.30.17 12.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	361	4.92	mg/kg	09.30.17 14.22		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3028991

Prep Method: TX1005P
% Moisture:
Date Prep: 09.28.17 14.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.29.17 03.19	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	09.29.17 03.19	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.29.17 03.19	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	09.29.17 03.19	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	104	%	70-135	09.29.17 03.19		
o-Terphenyl	84-15-1	104	%	70-135	09.29.17 03.19		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-3 @ 6'**
Lab Sample Id: 563850-006

Matrix: Soil
Date Collected: 09.21.17 11.55

Date Received: 09.25.17 15.19

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.29.17 15.00

Basis: Wet Weight

Seq Number: 3029142

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.29.17 18.32	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.29.17 18.32	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.29.17 18.32	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.29.17 18.32	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.29.17 18.32	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.29.17 18.32	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.29.17 18.32	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	85	%	80-120	09.29.17 18.32		
1,4-Difluorobenzene	540-36-3	94	%	80-120	09.29.17 18.32		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-3 @ 7'**
Lab Sample Id: 563850-007

Matrix: Soil
Date Collected: 09.21.17 12.08

Date Received: 09.25.17 15.19

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3029255

Prep Method: E300P
% Moisture:
Basis: Wet Weight
Date Prep: 09.30.17 12.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	389	4.90	mg/kg	09.30.17 14.29		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3028991

Prep Method: TX1005P
% Moisture:
Basis: Wet Weight
Date Prep: 09.28.17 14.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.29.17 03.39	U	1
Diesel Range Organics (DRO)	C10C28DRO	85.8	15.0	mg/kg	09.29.17 03.39		1
Oil Range Hydrocarbons (ORO)	PHCG2835	22.1	15.0	mg/kg	09.29.17 03.39		1
Total TPH	PHC635	108	15.0	mg/kg	09.29.17 03.39		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	100	%	70-135	09.29.17 03.39		
o-Terphenyl	84-15-1	99	%	70-135	09.29.17 03.39		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-3 @ 7'**
Lab Sample Id: 563850-007

Matrix: Soil
Date Collected: 09.21.17 12.08

Date Received: 09.25.17 15.19

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.29.17 15.00

Basis: Wet Weight

Seq Number: 3029142

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.29.17 18.51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.29.17 18.51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.29.17 18.51	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	09.29.17 18.51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.29.17 18.51	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.29.17 18.51	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.29.17 18.51	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	81	%	80-120	09.29.17 18.51		
1,4-Difluorobenzene	540-36-3	103	%	80-120	09.29.17 18.51		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-4 @ 4.5'**

Matrix: Soil

Date Received: 09.25.17 15.19

Lab Sample Id: 563850-008

Date Collected: 09.21.17 12.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 09.30.17 12.00

Basis: Wet Weight

Seq Number: 3029255

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2140	24.6	mg/kg	09.30.17 14.36		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 09.28.17 14.00

Basis: Wet Weight

Seq Number: 3028991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.29.17 03.59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	09.29.17 03.59	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.29.17 03.59	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	09.29.17 03.59	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	106	%	70-135	09.29.17 03.59		
o-Terphenyl	84-15-1	104	%	70-135	09.29.17 03.59		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-4 @ 4.5'**

Matrix: Soil

Date Received: 09.25.17 15.19

Lab Sample Id: 563850-008

Date Collected: 09.21.17 12.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.29.17 15.00

Basis: Wet Weight

Seq Number: 3029142

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	09.29.17 19.10	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	09.29.17 19.10	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	09.29.17 19.10	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	09.29.17 19.10	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	09.29.17 19.10	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	09.29.17 19.10	U	1
Total BTEX		<0.00198	0.00198	mg/kg	09.29.17 19.10	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	87	%	80-120	09.29.17 19.10		
1,4-Difluorobenzene	540-36-3	93	%	80-120	09.29.17 19.10		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-4 @ 8'**
Lab Sample Id: 563850-009

Matrix: Soil
Date Collected: 09.21.17 12.54

Date Received: 09.25.17 15.19

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3029255

Prep Method: E300P
% Moisture:
Date Prep: 09.30.17 12.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	597	4.90	mg/kg	09.30.17 14.44		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3028991

Prep Method: TX1005P
% Moisture:
Date Prep: 09.28.17 14.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.29.17 04.20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	09.29.17 04.20	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.29.17 04.20	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	09.29.17 04.20	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	98	%	70-135	09.29.17 04.20		
o-Terphenyl	84-15-1	97	%	70-135	09.29.17 04.20		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-4 @ 8'**
Lab Sample Id: 563850-009

Matrix: Soil
Date Collected: 09.21.17 12.54

Date Received: 09.25.17 15.19

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.29.17 15.00

Basis: Wet Weight

Seq Number: 3029142

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.29.17 19.28	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.29.17 19.28	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.29.17 19.28	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.29.17 19.28	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.29.17 19.28	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.29.17 19.28	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.29.17 19.28	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	94	%	80-120	09.29.17 19.28		
4-Bromofluorobenzene	460-00-4	87	%	80-120	09.29.17 19.28		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-4 @ 9.5'**

Matrix: Soil

Date Received: 09.25.17 15.19

Lab Sample Id: 563850-010

Date Collected: 09.21.17 13.05

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 09.30.17 12.00

Basis: Wet Weight

Seq Number: 3029255

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	101	4.98	mg/kg	09.30.17 14.58		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 09.28.17 14.00

Basis: Wet Weight

Seq Number: 3028991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.29.17 04.41	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	09.29.17 04.41	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.29.17 04.41	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	09.29.17 04.41	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	96	%	70-135	09.29.17 04.41		
o-Terphenyl	84-15-1	94	%	70-135	09.29.17 04.41		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-4 @ 9.5'**

Matrix: Soil

Date Received: 09.25.17 15.19

Lab Sample Id: 563850-010

Date Collected: 09.21.17 13.05

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.29.17 15.00

Basis: Wet Weight

Seq Number: 3029142

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.29.17 19.47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.29.17 19.47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.29.17 19.47	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	09.29.17 19.47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.29.17 19.47	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.29.17 19.47	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.29.17 19.47	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	93	%	80-120	09.29.17 19.47		
4-Bromofluorobenzene	460-00-4	86	%	80-120	09.29.17 19.47		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-5 @ 4'**
Lab Sample Id: 563850-011

Matrix: Soil
Date Collected: 09.21.17 13.29

Date Received: 09.25.17 15.19

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3029255

Prep Method: E300P
% Moisture:
Date Prep: 09.30.17 12.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4120	24.6	mg/kg	09.30.17 14.51		5

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3028991

Prep Method: TX1005P
% Moisture:
Date Prep: 09.28.17 14.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.29.17 05.43	U	1
Diesel Range Organics (DRO)	C10C28DRO	22.9	15.0	mg/kg	09.29.17 05.43		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.29.17 05.43	U	1
Total TPH	PHC635	22.9	15.0	mg/kg	09.29.17 05.43		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	107	%	70-135	09.29.17 05.43		
o-Terphenyl	84-15-1	106	%	70-135	09.29.17 05.43		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-5 @ 4'**
Lab Sample Id: 563850-011

Matrix: Soil
Date Collected: 09.21.17 13.29

Date Received: 09.25.17 15.19

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.29.17 15.00

Basis: Wet Weight

Seq Number: 3029142

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	09.29.17 20.06	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	09.29.17 20.06	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	09.29.17 20.06	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	09.29.17 20.06	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	09.29.17 20.06	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	09.29.17 20.06	U	1
Total BTEX		<0.00201	0.00201	mg/kg	09.29.17 20.06	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	87	%	80-120	09.29.17 20.06		
1,4-Difluorobenzene	540-36-3	93	%	80-120	09.29.17 20.06		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-5 @ 9.5'**

Matrix: Soil

Date Received: 09.25.17 15.19

Lab Sample Id: 563850-012

Date Collected: 09.21.17 13.49

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 09.30.17 12.00

Basis: Wet Weight

Seq Number: 3029255

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	728	4.99	mg/kg	09.30.17 15.19		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 09.28.17 14.00

Basis: Wet Weight

Seq Number: 3028991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.29.17 06.03	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	09.29.17 06.03	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.29.17 06.03	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	09.29.17 06.03	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	102	%	70-135	09.29.17 06.03		
o-Terphenyl	84-15-1	100	%	70-135	09.29.17 06.03		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-5 @ 9.5'**

Matrix: Soil

Date Received: 09.25.17 15.19

Lab Sample Id: 563850-012

Date Collected: 09.21.17 13.49

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.29.17 15.00

Basis: Wet Weight

Seq Number: 3029142

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.29.17 21.03	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.29.17 21.03	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.29.17 21.03	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	09.29.17 21.03	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.29.17 21.03	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.29.17 21.03	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.29.17 21.03	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	94	%	80-120	09.29.17 21.03		
4-Bromofluorobenzene	460-00-4	86	%	80-120	09.29.17 21.03		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-5 @ 10.5'**

Matrix: Soil

Date Received: 09.25.17 15.19

Lab Sample Id: 563850-013

Date Collected: 09.21.17 13.57

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 09.30.17 12.00

Basis: Wet Weight

Seq Number: 3029255

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1410	4.98	mg/kg	09.30.17 15.27		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 09.28.17 14.00

Basis: Wet Weight

Seq Number: 3028991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	09.29.17 06.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	09.29.17 06.24	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	09.29.17 06.24	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	09.29.17 06.24	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	105	%	70-135	09.29.17 06.24		
o-Terphenyl	84-15-1	105	%	70-135	09.29.17 06.24		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-5 @ 10.5'**

Matrix: Soil

Date Received: 09.25.17 15.19

Lab Sample Id: 563850-013

Date Collected: 09.21.17 13.57

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.29.17 15.00

Basis: Wet Weight

Seq Number: 3029142

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	09.29.17 21.22	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	09.29.17 21.22	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	09.29.17 21.22	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	09.29.17 21.22	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	09.29.17 21.22	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	09.29.17 21.22	U	1
Total BTEX		<0.00202	0.00202	mg/kg	09.29.17 21.22	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	84	%	80-120	09.29.17 21.22		
1,4-Difluorobenzene	540-36-3	95	%	80-120	09.29.17 21.22		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: SP-5 @ 13.5'

Matrix: Soil

Date Received: 09.25.17 15.19

Lab Sample Id: 563850-014

Date Collected: 09.21.17 14.45

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 09.30.17 12.00

Basis: Wet Weight

Seq Number: 3029255

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	365	4.94	mg/kg	09.30.17 15.48		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 09.28.17 14.00

Basis: Wet Weight

Seq Number: 3028991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.29.17 06.43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	09.29.17 06.43	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.29.17 06.43	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	09.29.17 06.43	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	113	%	70-135	09.29.17 06.43		
o-Terphenyl	84-15-1	111	%	70-135	09.29.17 06.43		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: SP-5 @ 13.5'

Matrix: Soil

Date Received: 09.25.17 15.19

Lab Sample Id: 563850-014

Date Collected: 09.21.17 14.45

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.29.17 15.00

Basis: Wet Weight

Seq Number: 3029142

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	09.29.17 21.40	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	09.29.17 21.40	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	09.29.17 21.40	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	09.29.17 21.40	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	09.29.17 21.40	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	09.29.17 21.40	U	1
Total BTEX		<0.00199	0.00199	mg/kg	09.29.17 21.40	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	83	%	80-120	09.29.17 21.40		
1,4-Difluorobenzene	540-36-3	98	%	80-120	09.29.17 21.40		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-5 @ 14.5'**

Matrix: Soil

Date Received: 09.25.17 15.19

Lab Sample Id: 563850-015

Date Collected: 09.21.17 15.02

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 09.30.17 12.00

Basis: Wet Weight

Seq Number: 3029255

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	490	4.98	mg/kg	09.30.17 15.55		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 09.28.17 14.00

Basis: Wet Weight

Seq Number: 3028991

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	09.29.17 07.03	U	1
Diesel Range Organics (DRO)	C10C28DRO	20.1	15.0	mg/kg	09.29.17 07.03		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	09.29.17 07.03	U	1
Total TPH	PHC635	20.1	15.0	mg/kg	09.29.17 07.03		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	106	%	70-135	09.29.17 07.03		
o-Terphenyl	84-15-1	104	%	70-135	09.29.17 07.03		



Certificate of Analytical Results 563850



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-5 @ 14.5'**

Matrix: Soil

Date Received: 09.25.17 15.19

Lab Sample Id: 563850-015

Date Collected: 09.21.17 15.02

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 09.29.17 15.00

Basis: Wet Weight

Seq Number: 3029142

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	09.29.17 21.59	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	09.29.17 21.59	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	09.29.17 21.59	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	09.29.17 21.59	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	09.29.17 21.59	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	09.29.17 21.59	U	1
Total BTEX		<0.00200	0.00200	mg/kg	09.29.17 21.59	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	98	%	80-120	09.29.17 21.59		
4-Bromofluorobenzene	460-00-4	82	%	80-120	09.29.17 21.59		

- 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	



QC Summary 563850

Trinity Oilfield Services & Rentals, LLC Covington A Federal 0002

Analytical Method: Chloride by EPA 300

Seq Number: 3029255

MB Sample Id: 7631867-1-BLK

Matrix: Solid

LCS Sample Id: 7631867-1-BKS

Prep Method: E300P

Date Prep: 09.30.17

LCSD Sample Id: 7631867-1-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	235	94	235	94	90-110	0	20	mg/kg	09.30.17 13:03	

Analytical Method: Chloride by EPA 300

Seq Number: 3029255

Parent Sample Id: 563850-001

Matrix: Soil

MS Sample Id: 563850-001 S

Prep Method: E300P

Date Prep: 09.30.17

MSD Sample Id: 563850-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	56.6	249	281	90	278	89	90-110	1	20	mg/kg	09.30.17 13:25	X

Analytical Method: Chloride by EPA 300

Seq Number: 3029255

Parent Sample Id: 563850-010

Matrix: Soil

MS Sample Id: 563850-010 S

Prep Method: E300P

Date Prep: 09.30.17

MSD Sample Id: 563850-010 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	101	249	325	90	324	90	90-110	0	20	mg/kg	09.30.17 15:05	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3028991

MB Sample Id: 731750-1-BLK

Matrix: Solid

LCS Sample Id: 731750-1-BKS

Prep Method: TX1005P

Date Prep: 09.28.17

LCSD Sample Id: 731750-1-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	986	99	966	97	70-135	2	35	mg/kg	09.29.17 00:11	
Diesel Range Organics (DRO)	<15.0	1000	1050	105	1020	102	70-135	3	35	mg/kg	09.29.17 00:11	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	98		104		102		70-135	%	09.29.17 00:11
o-Terphenyl	95		101		99		70-135	%	09.29.17 00:11



QC Summary 563850

Trinity Oilfield Services & Rentals, LLC Covington A Federal 0002

Analytical Method: TPH By SW8015 Mod

Seq Number: 3028991

Parent Sample Id: 563850-001

Matrix: Soil

MS Sample Id: 563850-001 S

Prep Method: TX1005P

Date Prep: 09.28.17

MSD Sample Id: 563850-001 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	1000	100	1020	102	70-135	2	35	mg/kg	09.29.17 01:14	
Diesel Range Organics (DRO)	<15.0	999	1050	105	1020	102	70-135	3	35	mg/kg	09.29.17 01:14	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	101		93		70-135	%	09.29.17 01:14
o-Terphenyl	96		88		70-135	%	09.29.17 01:14

Analytical Method: BTEX by EPA 8021B

Seq Number: 3029142

MB Sample Id: 7631855-1-BLK

Matrix: Solid

LCS Sample Id: 7631855-1-BKS

Prep Method: SW5030B

Date Prep: 09.29.17

LCSD Sample Id: 7631855-1-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	0.105	104	0.104	104	70-130	1	35	mg/kg	09.29.17 15:06	
Toluene	<0.00202	0.101	0.100	99	0.0991	99	70-130	1	35	mg/kg	09.29.17 15:06	
Ethylbenzene	<0.00202	0.101	0.100	99	0.0990	99	71-129	1	35	mg/kg	09.29.17 15:06	
m,p-Xylenes	<0.00403	0.202	0.195	97	0.193	96	70-135	1	35	mg/kg	09.29.17 15:06	
o-Xylene	<0.00202	0.101	0.0942	93	0.0935	94	71-133	1	35	mg/kg	09.29.17 15:06	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		97		97		80-120	%	09.29.17 15:06
4-Bromofluorobenzene	86		91		92		80-120	%	09.29.17 15:06

Analytical Method: BTEX by EPA 8021B

Seq Number: 3029280

MB Sample Id: 7631948-1-BLK

Matrix: Solid

LCS Sample Id: 7631948-1-BKS

Prep Method: SW5030B

Date Prep: 10.02.17

LCSD Sample Id: 7631948-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.105	105	0.106	105	70-130	1	35	mg/kg	10.02.17 09:43	
Toluene	<0.00200	0.0998	0.0991	99	0.101	100	70-130	2	35	mg/kg	10.02.17 09:43	
Ethylbenzene	<0.00200	0.0998	0.0982	98	0.100	99	71-129	2	35	mg/kg	10.02.17 09:43	
m,p-Xylenes	<0.00399	0.200	0.191	96	0.194	96	70-135	2	35	mg/kg	10.02.17 09:43	
o-Xylene	<0.00200	0.0998	0.0921	92	0.0940	93	71-133	2	35	mg/kg	10.02.17 09:43	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		97		97		80-120	%	10.02.17 09:43
4-Bromofluorobenzene	80		89		90		80-120	%	10.02.17 09:43



QC Summary 563850

Trinity Oilfield Services & Rentals, LLC Covington A Federal 0002

Analytical Method: BTEX by EPA 8021B

Seq Number: 3029142

Parent Sample Id: 563850-001

Matrix: Soil

MS Sample Id: 563850-001 S

Prep Method: SW5030B

Date Prep: 09.29.17

MSD Sample Id: 563850-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0831	83	0.0808	80	70-130	3	35	mg/kg	09.29.17 15:42	
Toluene	<0.00199	0.0996	0.0779	78	0.0728	72	70-130	7	35	mg/kg	09.29.17 15:42	
Ethylbenzene	<0.00199	0.0996	0.0768	77	0.0716	71	71-129	7	35	mg/kg	09.29.17 15:42	
m,p-Xylenes	<0.00398	0.199	0.149	75	0.137	68	70-135	8	35	mg/kg	09.29.17 15:42	X
o-Xylene	<0.00199	0.0996	0.0737	74	0.0686	68	71-133	7	35	mg/kg	09.29.17 15:42	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	97		99		80-120	%	09.29.17 15:42
4-Bromofluorobenzene	94		87		80-120	%	09.29.17 15:42

Analytical Method: BTEX by EPA 8021B

Seq Number: 3029280

Parent Sample Id: 563850-002

Matrix: Soil

MS Sample Id: 563850-002 S

Prep Method: SW5030B

Date Prep: 10.02.17

MSD Sample Id: 563850-002 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	0.100	0.0828	83	0.0791	78	70-130	5	35	mg/kg	10.02.17 10:21	
Toluene	<0.00200	0.100	0.0785	79	0.0738	73	70-130	6	35	mg/kg	10.02.17 10:21	
Ethylbenzene	<0.00200	0.100	0.0762	76	0.0697	69	71-129	9	35	mg/kg	10.02.17 10:21	X
m,p-Xylenes	<0.00401	0.200	0.148	74	0.135	67	70-135	9	35	mg/kg	10.02.17 10:21	X
o-Xylene	<0.00200	0.100	0.0726	73	0.0675	67	71-133	7	35	mg/kg	10.02.17 10:21	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	93		95		80-120	%	10.02.17 10:21
4-Bromofluorobenzene	90		90		80-120	%	10.02.17 10:21



CHAIN OF CUSTODY RECORD

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

Page 1 of 2

LAB W.O.#:

Field billable Hrs:

563850

* Container Type Codes

VA Vial Amber ES Encore Sampler
VC Vial Clear TS TermCore 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. Na₂SO₄ K. ZnAc/NaOH
D. NaOH H. NaHSO₄ L. Asbc Acid/NaOH
O. _____

^ Matrix Type Codes

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

REMARKS

Company:	Trinity Oilfield Services & Rentals, LLC	Phone:	(575)390-7208
Address:	P.O. Box 2587	Fax:	
City:	Hobbs	State:	NM
PM/Attn:	Ben J. Arguijo	Email:	wade.dittrich@oxy.com & ben@trinityoilfieldservices.com
Project ID:	Covington A Federal 0002	PO#:	
Invoice To:	Oxy - Wade Dittrich (575)390-2828	Quote #:	

TAT Work Days = D

Need results by:

Time:

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

ANALYSES REQUESTED

Sampler Name:	Duskie Bonnett	Circle One Event:	Daily Weekly Monthly Quarterly
Sample #	Sample ID	Collect Date	Collect Time
		Matrix Code ^	
		Field Preserved Integrity OK (Y/N)	Total # of Containers

Coat Type *

VC

Pres Type**

Example Volatiles by 8260

Cont.

Lab Only:

TPH 8015M

BTEX

Chloride

Hold Sample (CALL) Run PAH on Highest TPH Only

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field Preserved Integrity OK (Y/N)	Total # of Containers	# Cont.	Lab Only:
1	SP-2 @ 4.5'	9/21/17	1000	S		1		X
2	SP-2 @ 6'	9/21/17	1020	S		1		X
3	SP-2 @ 7'	9/21/17	1041	S		1		X
4	SP-2 @ 8.5'	9/21/17	1055	S		1		X
5	SP-3 @ 4'	9/21/17	1128	S		1		X
6	SP-3 @ 6'	9/21/17	1155	S		1		X
7	SP-3 @ 7'	9/21/17	1208	S		1		X
8	SP-4 @ 4.5'	9/21/17	1230	S		1		X
9	SP-4 @ 8'	9/21/17	1254	S		1		X
0	SP-4 @ 9.5'	9/21/17	1305	S		1		X

See Remarks

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 ERHMS XLS Other:	Match Incomplete Absent Unclear	12.22 3	Non-Conformances found? Samples intact upon arrival?
Relinquished by	Affiliation	Date	Time	Received by	Date	Time
Duskie Bonnett	Trinity	9/25/17	15:18	Brittany Cox	9/25/17	3:19
				Comptrol	9/26/17	11:00

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 770-449-6800 Lakeland 863-646-8526 Tampa 803-543-8099 Philadelphia 610-955-5649 South Carolina 803-543-8099

Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previously a 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: N

Temp: 25
CF:(0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 23

IR ID:R-8



CHAIN OF CUSTODY RECORD

Houston: 4143 Greenbriar Dr. Stafford, TX 77477 (281)240-4200 Odessa: 12800 West I-20 East Odessa, TX 79785 (432)563-1800

Page 2 of 2

LAB W.O #: 563850

Field billable Hrs :

* Container Type Codes

VA Vial Amber ES EnCore Sampler
VC Vial Clear TS TeraCore 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 J. Ice
B. HNO₃ F. MeOH J. MCAA
H₂SO₄ G. Na₂SO₃ K. ZnAc₂/NaOH
D. NaOH H. NaHSO₄ L. Ascorbic Acid/NaOH
O. _____

^ Matrix Type Codes

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

REMARKS

Company: Trinity Oilfield Services & Rentals, LLC		Phone: (575)390-7208		TAT Work Days = D		Need results by: _____ Time: _____												
Address: P.O. Box 2587		Fax: _____		Std (5-7D) 5Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other _____														
City: Hobbs		State: NM		Zip: 88241		ANALYSES REQUESTED												
PM/Attn: Ben J. Arguijo		Email: wade.dittrich@oxy.com & ben@trinityoilfieldservices.com		Cont Type * VC		GC	GC	GC										
Project ID: Covington A Federal 0002		PO#: _____		Pres Type **		I	I	I										
Invoice To: Oxy - Wade Dittrich (575)390-2828		Quote #: _____		Example Violations by 8260		TPH 8015M	BTEX	Chloride										
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 Violations by 8260	# Cont	Lab Only								
1	SP-5 @ 4'	9/21/17	1329	S			1		X									
2	SP-5 @ 9.5'	9/21/17	1349	S			1		X									
3	SP-5 @ 10.5'	9/21/17	1357	S			1		X									
4	SP-5 @ 13.5'	9/21/17	1445	S			1		X									
5	SP-5 @ 14.5'	9/21/17	1502	S			1		X									
6																		
7																		
8																		
9																		
0																		
Reg. Program / Clean-up Std		STATE for Certs & Regs		QA/QC Level & Certification		EDDs		COC & Labels		Coolers Temp °C		Lab Use Only		YES NO N/A				
CITs TRRP DW NPDES LPST DryGin Other:		FL TX GA NC SC NJ PA OK LA AL NM Other:		1 2 3 4 CLP AFCEE QAPP NLLAC DoD-ELAP Other:		ADAFT SEDD ERPIMS XLS Other:		Match Incomplete Absent Unclear		12.22 3		Non-Conformances found?						
Relinquished by		Affiliation		Date		Time		Received by		Affiliation		Date		Time				
1. Duskie Bennett		Trinity		9/25/17		15:18		Brittany Cox				9/25/17		3:19				
2.								Carmel Hoag				9/26/17		11:00				
3.																		
4.																		

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

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. 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 1

Temp: 25 IR ID: R-8
CF: (0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: 23



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 09/25/2017 03:19:00 PM

Work Order #: 563850

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	2.2
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	No
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Shawnee Smith

Date: 09/27/2017

Checklist reviewed by:

Holly Taylor

Date: 09/27/2017



Certificate of Analysis Summary 565842

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Covington A Federal 0002



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs

Date Received in Lab: Tue Oct-17-17 10:55 am

Report Date: 25-OCT-17

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	565842-001	565842-002				
	Field Id:	SP-1@2'	SP-1@3.5'				
	Depth:						
	Matrix:	SOIL	SOIL				
	Sampled:	Oct-16-17 10:47	Oct-16-17 10:56				
BTEX by EPA 8021B	Extracted:	Oct-25-17 08:00	Oct-25-17 08:00				
	Analyzed:	Oct-25-17 10:37	Oct-25-17 10:56				
	Units/RL:	mg/kg RL	mg/kg RL				
Benzene		<0.00336 0.00336	<0.00330 0.00330				
Toluene		<0.00336 0.00336	<0.00330 0.00330				
Ethylbenzene		<0.00336 0.00336	<0.00330 0.00330				
m,p-Xylenes		<0.00671 0.00671	<0.00660 0.00660				
o-Xylene		<0.00336 0.00336	<0.00330 0.00330				
Total Xylenes		<0.00336 0.00336	<0.00330 0.00330				
Total BTEX		<0.00336 0.00336	<0.00330 0.00330				
Chloride by EPA 300	Extracted:	Oct-23-17 12:00	Oct-23-17 12:00				
	Analyzed:	Oct-23-17 18:42	Oct-23-17 18:49				
	Units/RL:	mg/kg RL	mg/kg RL				
Chloride		20.0 4.96	328 5.00				
TPH By SW8015 Mod	Extracted:	Oct-18-17 11:00	Oct-18-17 11:00				
	Analyzed:	Oct-18-17 21:20	Oct-18-17 21:40				
	Units/RL:	mg/kg RL	mg/kg RL				
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0				
Diesel Range Organics (DRO)		1710 15.0	1020 15.0				
Oil Range Hydrocarbons (ORO)		420 15.0	185 15.0				
Total TPH		2130 15.0	1210 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 565842
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo
Covington A Federal 0002

25-OCT-17

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

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

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

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



25-OCT-17

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

Reference: XENCO Report No(s): **565842**
Covington A Federal 0002
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) 565842. 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. 565842 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 565842



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Covington A Federal 0002

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1@2'	S	10-16-17 10:47		565842-001
SP-1@3.5'	S	10-16-17 10:56		565842-002



CASE NARRATIVE

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

Project Name: *Covington A Federal 0002*

Project ID:
Work Order Number(s): 565842

Report Date: 25-OCT-17
Date Received: 10/17/2017

Sample receipt non conformances and comments:

10/24/17 Run BTEX on both samples.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3031366 BTEX by EPA 8021B

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



Certificate of Analytical Results 565842



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-1@2'**
Lab Sample Id: 565842-001

Matrix: Soil
Date Collected: 10.16.17 10.47

Date Received: 10.17.17 10.55

Analytical Method: Chloride by EPA 300
Tech: MNV
Analyst: MNV
Seq Number: 3031231

Prep Method: E300P
% Moisture:
Date Prep: 10.23.17 12.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	20.0	4.96	mg/kg	10.23.17 18.42		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3030818

Prep Method: TX1005P
% Moisture:
Date Prep: 10.18.17 11.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.18.17 21.20	U	1
Diesel Range Organics (DRO)	C10C28DRO	1710	15.0	mg/kg	10.18.17 21.20		1
Oil Range Hydrocarbons (ORO)	PHCG2835	420	15.0	mg/kg	10.18.17 21.20		1
Total TPH	PHC635	2130	15.0	mg/kg	10.18.17 21.20		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	99	%	70-135	10.18.17 21.20		
o-Terphenyl	84-15-1	81	%	70-135	10.18.17 21.20		



Certificate of Analytical Results 565842



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-1@2'**
Lab Sample Id: 565842-001

Matrix: Soil
Date Collected: 10.16.17 10.47

Date Received: 10.17.17 10.55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.25.17 08.00

Basis: Wet Weight

Seq Number: 3031366

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00336	0.00336	mg/kg	10.25.17 10.37	U	1
Toluene	108-88-3	<0.00336	0.00336	mg/kg	10.25.17 10.37	U	1
Ethylbenzene	100-41-4	<0.00336	0.00336	mg/kg	10.25.17 10.37	U	1
m,p-Xylenes	179601-23-1	<0.00671	0.00671	mg/kg	10.25.17 10.37	U	1
o-Xylene	95-47-6	<0.00336	0.00336	mg/kg	10.25.17 10.37	U	1
Total Xylenes	1330-20-7	<0.00336	0.00336	mg/kg	10.25.17 10.37	U	1
Total BTEX		<0.00336	0.00336	mg/kg	10.25.17 10.37	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	87	%	80-120	10.25.17 10.37		
1,4-Difluorobenzene	540-36-3	90	%	80-120	10.25.17 10.37		



Certificate of Analytical Results 565842



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-1@3.5'**

Matrix: Soil

Date Received: 10.17.17 10.55

Lab Sample Id: 565842-002

Date Collected: 10.16.17 10.56

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: MNV

% Moisture:

Analyst: MNV

Date Prep: 10.23.17 12.00

Basis: Wet Weight

Seq Number: 3031231

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	328	5.00	mg/kg	10.23.17 18.49		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 10.18.17 11.00

Basis: Wet Weight

Seq Number: 3030818

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	10.18.17 21.40	U	1
Diesel Range Organics (DRO)	C10C28DRO	1020	15.0	mg/kg	10.18.17 21.40		1
Oil Range Hydrocarbons (ORO)	PHCG2835	185	15.0	mg/kg	10.18.17 21.40		1
Total TPH	PHC635	1210	15.0	mg/kg	10.18.17 21.40		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	10.18.17 21.40	
o-Terphenyl	84-15-1	90	%	70-135	10.18.17 21.40	



Certificate of Analytical Results 565842



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM Covington A Federal 0002

Sample Id: **SP-1@3.5'**

Matrix: Soil

Date Received: 10.17.17 10.55

Lab Sample Id: 565842-002

Date Collected: 10.16.17 10.56

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 10.25.17 08.00

Basis: Wet Weight

Seq Number: 3031366

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00330	0.00330	mg/kg	10.25.17 10.56	U	1
Toluene	108-88-3	<0.00330	0.00330	mg/kg	10.25.17 10.56	U	1
Ethylbenzene	100-41-4	<0.00330	0.00330	mg/kg	10.25.17 10.56	U	1
m,p-Xylenes	179601-23-1	<0.00660	0.00660	mg/kg	10.25.17 10.56	U	1
o-Xylene	95-47-6	<0.00330	0.00330	mg/kg	10.25.17 10.56	U	1
Total Xylenes	1330-20-7	<0.00330	0.00330	mg/kg	10.25.17 10.56	U	1
Total BTEX		<0.00330	0.00330	mg/kg	10.25.17 10.56	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	94	%	80-120	10.25.17 10.56		
1,4-Difluorobenzene	540-36-3	91	%	80-120	10.25.17 10.56		

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

****** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

PQL Practical Quantitation Limit **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
Covington A Federal 0002**Analytical Method: Chloride by EPA 300**

Seq Number: 3031231

MB Sample Id: 7633092-1-BLK

Matrix: Solid

LCS Sample Id: 7633092-1-BKS

Prep Method: E300P

Date Prep: 10.23.17

LCSD Sample Id: 7633092-1-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	247	99	246	98	90-110	0	20	mg/kg	10.23.17 16:22	

Analytical Method: Chloride by EPA 300

Seq Number: 3031231

Parent Sample Id: 565936-015

Matrix: Soil

MS Sample Id: 565936-015 S

Prep Method: E300P

Date Prep: 10.23.17

MSD Sample Id: 565936-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	127	246	365	97	369	98	90-110	1	20	mg/kg	10.23.17 16:42	

Analytical Method: Chloride by EPA 300

Seq Number: 3031231

Parent Sample Id: 565936-019

Matrix: Soil

MS Sample Id: 565936-019 S

Prep Method: E300P

Date Prep: 10.23.17

MSD Sample Id: 565936-019 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	6.73	249	258	101	259	101	90-110	0	20	mg/kg	10.23.17 18:28	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3030818

MB Sample Id: 7632853-1-BLK

Matrix: Solid

LCS Sample Id: 7632853-1-BKS

Prep Method: TX1005P

Date Prep: 10.18.17

LCSD Sample Id: 7632853-1-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	1020	102	1090	109	70-135	7	35	mg/kg	10.18.17 16:12	
Diesel Range Organics (DRO)	<15.0	1000	1070	107	1140	114	70-135	6	35	mg/kg	10.18.17 16:12	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	96		108		106		70-135	%	10.18.17 16:12
o-Terphenyl	92		100		95		70-135	%	10.18.17 16:12

Trinity Oilfield Services & Rentals, LLC
Covington A Federal 0002

Analytical Method: TPH By SW8015 Mod

Seq Number: 3030818

Parent Sample Id: 565814-001

Matrix: Soil

MS Sample Id: 565814-001 S

Prep Method: TX1005P

Date Prep: 10.18.17

MSD Sample Id: 565814-001 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	1090	109	1130	113	70-135	4	35	mg/kg	10.18.17 17:15	
Diesel Range Organics (DRO)	<15.0	999	1160	116	1170	117	70-135	1	35	mg/kg	10.18.17 17:15	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	129		109		70-135	%	10.18.17 17:15
o-Terphenyl	103		106		70-135	%	10.18.17 17:15

Analytical Method: BTEX by EPA 8021B

Seq Number: 3031366

MB Sample Id: 7633181-1-BLK

Matrix: Solid

LCS Sample Id: 7633181-1-BKS

Prep Method: SW5030B

Date Prep: 10.25.17

LCSD Sample Id: 7633181-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.121	120	0.125	125	70-130	3	35	mg/kg	10.25.17 08:05	
Toluene	<0.00201	0.101	0.115	114	0.118	118	70-130	3	35	mg/kg	10.25.17 08:05	
Ethylbenzene	<0.00201	0.101	0.115	114	0.117	117	71-129	2	35	mg/kg	10.25.17 08:05	
m,p-Xylenes	<0.00402	0.201	0.229	114	0.232	116	70-135	1	35	mg/kg	10.25.17 08:05	
o-Xylene	<0.00201	0.101	0.110	109	0.112	112	71-133	2	35	mg/kg	10.25.17 08:05	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	93		91		81		80-120	%	10.25.17 08:05
4-Bromofluorobenzene	90		96		95		80-120	%	10.25.17 08:05

Analytical Method: BTEX by EPA 8021B

Seq Number: 3031366

Parent Sample Id: 566207-001

Matrix: Soil

MS Sample Id: 566207-001 S

Prep Method: SW5030B

Date Prep: 10.25.17

MSD Sample Id: 566207-001 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	0.102	101	0.106	106	70-130	4	35	mg/kg	10.25.17 08:43	
Toluene	<0.00202	0.101	0.0922	91	0.0958	96	70-130	4	35	mg/kg	10.25.17 08:43	
Ethylbenzene	<0.00202	0.101	0.0808	80	0.0821	82	71-129	2	35	mg/kg	10.25.17 08:43	
m,p-Xylenes	<0.00403	0.202	0.160	79	0.162	81	70-135	1	35	mg/kg	10.25.17 08:43	
o-Xylene	<0.00202	0.101	0.0784	78	0.0801	80	71-133	2	35	mg/kg	10.25.17 08:43	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	99		101		80-120	%	10.25.17 08:43
4-Bromofluorobenzene	106		109		80-120	%	10.25.17 08:43



CHAIN OF CUSTODY RECORD

Houston: 4143 Greenbriar Dr. Stafford, TX 77477 (281)240-4200 Odessa: 12600 West I-20 East Odessa, TX 79785 (432)563-1800
irood-c

Page 1 of 1

LAB W.O #:

515842

Field billable Hrs :

* Container Type Codes

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

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

** Preservative Type Codes

A. None E. HCL I. Ice C.
B. HNO₃ F. MeOH J. MCAA
H₂SO₄ G. Na₂SO₃ K. ZnAc₂/NaOH
D. NaOH H. NaHSO₄ L. Asbic Acid/NaOH
O. _____

^ Matrix Type Codes

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

REMARKS

Run BTEX if TPH <= 5,000

Run BTEX if TPH <= 5,000

Temp: -3.3 IR ID:R-8
CF:(0-6: -0.2°C)
(6-23: +0.2°C)
Corrected Temp: -3.4

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. Arguio	Email:	wade.dittrich@oxy.com & ben@trinityoilfieldservices.com
Project ID:	Covington A Federal 0002	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	# Cont	Lab Only:
1	SP-1 @ 2'	10/16/17	1047	S		1	TPH 8015M		X
2	SP-1 @ 3.5'	10/16/17	1056	S		1	BTEX		X
3							Chloride		
4									
5									
6									
7									
8									
9									
0									

Reg. Program / Clean-up Std	STATE for Certs & Regs	QA/QC Level & Certification	EDDs	COC & Labels	Coolers Temp °C	Lab Use Only	
CTLs TRRP DW NPDES LPST DryCln Other:	FL TX GA NC SC NJ PA OK LA AL NM Other:	1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:	ADMP SEDD LRPMIS XLS Other:	Match Incomplete Absent Unclear	1042 3	Non-Conformances found? Samples intact upon arrival? Received on Weigh? Labeled with proper preservation? Received within holding time? Custody seals intact? VOCs rec'd w/o headspace? Proper containers used? pH verified-scrappable, and VOCs? Received on time to meet HLTs?	
Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
Duskie Bennett	Trinity	10/17/17	1050	Shanley	XENCO	10-17-17	1055
				Wade Dittrich	XENCO	10-18-17	11:00

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 610-855-5649 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 accounts shall accrue interest at 1.5% per month until paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full.
Revision Date: Nov 12, 2009



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 10/17/2017 10:55:00 AM

Work Order #: 565842

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: 10/18/2017

Checklist reviewed by:

Holly Taylor

Date: 10/18/2017