

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Spill Remediation Proposal



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

Site Name: Prize Federal #2 NMOCD Reference#: 1RP-4888

Surface Owner: US BLM Mineral Owner: US BLM

Unit Letter: "P" (SE/SE) Section: 27 Township: 22S Range: 32E County: Lea GPS Coordinates: 32.3572006N -103.6561737W

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 ☒ 600

☒ 5,000

Date/Time of Release: 11/25/2017 Type of Release: Produced Water & Crude Oil Approximate Volume of Release: 9 bbls Produced Water 6 bbls Crude Oil

Background Information:

On November 25, 2017, OXY USA, Inc. (OXY), discovered a release at the Prize Federal #2 well. A stuffing box failure resulted in the release of approximately 9 barrels (bbls) of produced water and 6 bbls of crude oil. The release impacted an area of the caliche pad measuring approximately 3,500 square feet, as well as approximately 55 square feet of the adjacent pasture. During initial response activities, the stuffing box was repaired, a vacuum truck was utilized to recover free-standing liquid, and visibly stained soil was scraped up and stockpiled on-site, pending final disposition.

The release was immediately 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. The NMOCD "Release Notification & Corrective Action" form (C-141) is provided in Appendix A. General photographs of the release site are provided in Appendix C. A "Site Location Map" is provided as Figure 1.

Summary of Field Activities:

On December 5, 2017, a hand-auger was utilized to collect a series of soil samples from six (6) locations (SP-1 through SP-6) in the visibly stained area to investigate the extent of impacted soil. The auger holes were advanced to total depths ranging from approximately 6 inches (SP-6) to 3 feet (SP-2) below ground surface (bgs). Soil samples were collected at 6-inch to 1-foot vertical intervals and field-screened with a chloride test kit. Confirmation samples were submitted to Xenco Laboratories in Midland, Texas, for analysis of chloride, total petroleum hydrocarbons (TPH), and/or benzene, toluene, ethylbenzene, and total xylene (BTEX) concentrations using Environmental Protection Agency (EPA) Methods 300, SW 846-8015 Mod, and SW 846-8021B, respectively. Laboratory analytical results and field-screens indicated vertical delineation of TPH and BTEX contamination had been achieved. However, additional delineation was required to determine the extent of chloride contamination in the areas represented by auger holes SP-1, SP-2, SP-4, and SP-5.

On May 11, 2018, a hand-auger was utilized to re-enter auger holes SP-2 and SP-4 to further investigate the extent of impacted soil. The auger holes were advanced to total depths ranging from approximately 3 feet (SP-4) to 4 feet (SP-2) bgs. Soil samples were collected at 1-foot vertical intervals and field-screened with a chloride test kit. Confirmation samples were submitted to Xenco Laboratories for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results and field-screens indicated vertical delineation of the areas represented by auger holes SP-2 and SP-4 had been achieved.

On June 7, 2018, a hand-auger was utilized to re-enter auger holes SP-1 and SP-5 to further investigate the extent of impacted soil. The auger holes were advanced to total depths ranging from approximately 2 feet (SP-5) to 3 feet (SP-1) bgs. Soil samples were collected at 1-foot vertical intervals and field-screened with a chloride test kit. Confirmation samples were submitted to Xenco Laboratories for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results and field-screens indicated vertical delineation of the areas represented by auger holes SP-1 and SP-5 had been achieved.

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Spill Remediation Proposal



Proposed Activities:

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

- The excavation will be advanced horizontally until field test readings and/or visual/olfactory senses suggest contaminants of concern are below the NMOCD RRALs established for the site (or to the extent practicable). The excavation will be advanced vertically as follows:
 - Maximum depth of 6 inches in the area represented by auger hole SP-6.
 - Maximum depth of 1 foot bgs adjacent to the on-site pump jack and well.
 - Maximum depth of 2 feet bgs in the areas represented by auger holes SP-3, SP-4, and SP-5.
 - Maximum depth of 3 feet bgs in the area represented by auger hole SP-1.
 - Maximum depth of 4 feet bgs in the area represented by auger hole SP-2.
- Soil samples will be collected at approximate 50-foot horizontal intervals from the sidewalls of the excavation and submitted to Xenco Laboratories for confirmatory analyses of chloride, TPH, and/or BTEX concentrations using the EPA analytical methods listed in the "Summary of Field Activities" above.
- All excavated soil will be stockpiled on-site on 6-mil plastic, pending transfer to Lea Land, Inc. (NMOCD Permit #WM-01-035), for disposal.
- 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 will be seeded with a BLM-approved seed mix at a time conducive to germination.
- Upon completion of the aforementioned corrective actions, a "Remediation Summary & Closure Request" will be submitted to the NMOCD and BLM, documenting remediation activities and results of confirmation soil samples.

Enclosures:

Figure 1: Site Location Map

Figure 2: Sample Location Map

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

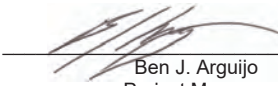
Table 2: Chloride Field Tests

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

Appendix B: Depth-to-Groundwater Data

Appendix C: Photographs

Appendix D: Laboratory Analytical Results

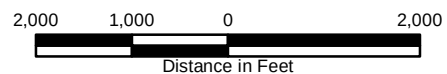
 6/21/2018
Ben J. Arguijo
Project Manager

APPROVED

By Olivia Yu at 4:06 pm, Jul 17, 2018

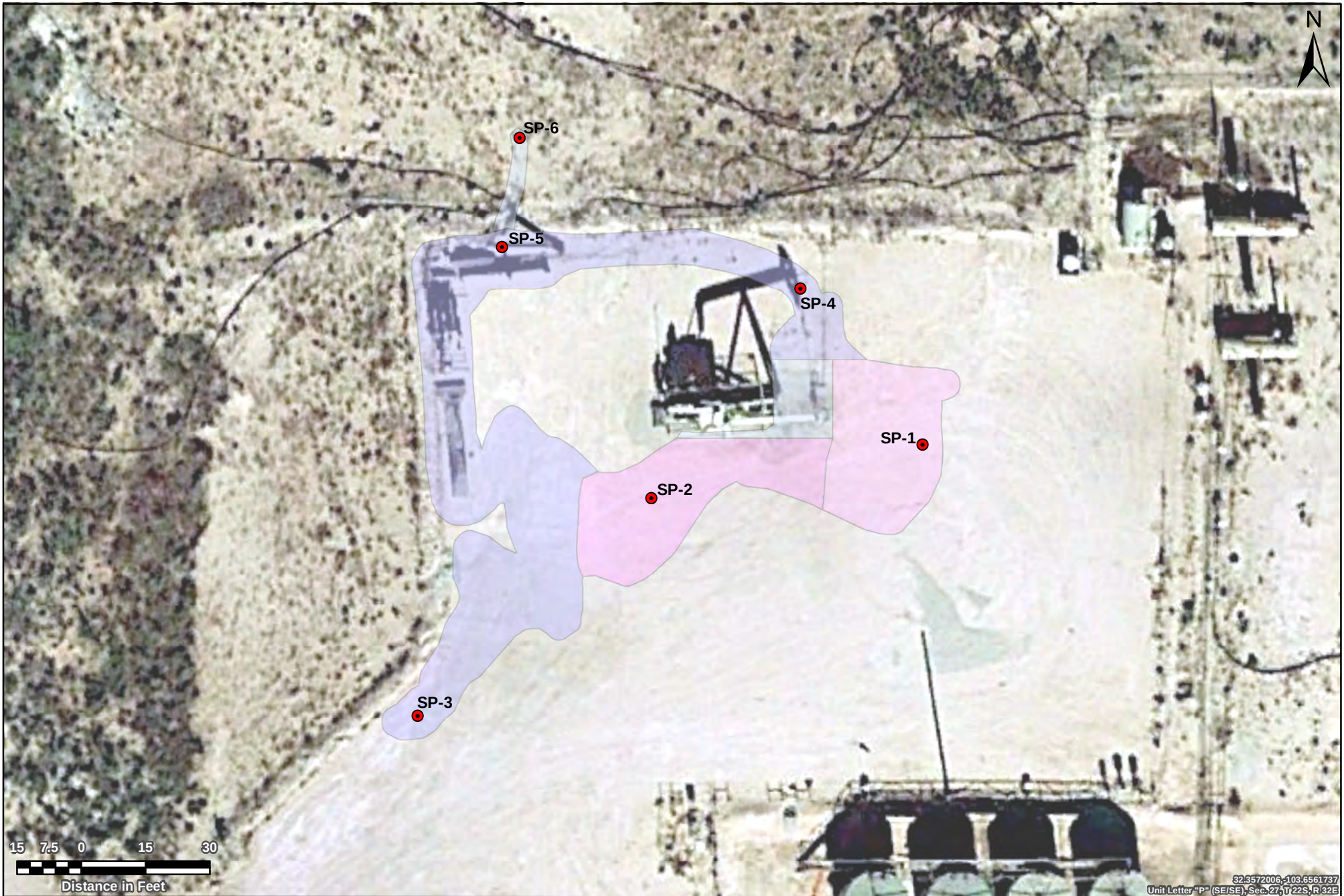
NMOCD approves of the delineation completed for 1RP-4888 and proposed remediation with these clarifications: Confirmation bottom and sidewall samples are required at no greater than 50 ft. apart. At least one confirmation edge/sidewall sample must be at the border of each change in depth of excavation.

Figures



TRINITY
OILFIELD SERVICES

Drawn By: BJA	Checked By: CTR
April 25, 2018	Scale: 1" = 2,000'



Legend	
Proposed Excavation Depths	● Auger Hole
6" - 1' bgs	
2' bgs	
3' bgs	
4' bgs	

Figure 2
Site Plan
OXY USA, Inc.
Prize Federal #2
Lea County, New Mexico
NMOCD Reference #: 1RP-4888

 TRINITY OILFIELD SERVICES		Trinity Oilfield Services & Rentals, LLC P.O. Box 2587 Hobbs, NM 88241	
Drawn By: BJA		Checked By: CTR	
June 8, 2018		Scale: 1" = 30'	

Tables

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

OXY USA, INC.
PRIZE FEDERAL #2
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #: 1RP-4888



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030							METHOD: 8015M				300
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	EXT DRO C ₂₈ -C ₃₅ (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Levels (RRALs)				10	NE	NE	NE	NE	NE	50	NE	NE	NE	5,000	600
SP-1 @ 6"	6"	12/5/2017	In-Situ	<0.0020	<0.0020	<0.0020	0.0060	0.0038	0.0098	0.0098	<15.0	586	133	719	2,790
SP-1 @ 1'	1'	12/5/2017	In-Situ	<0.0020	0.0022	0.0030	0.0171	0.0088	0.0259	0.0312	29.1	1,030	222	1,280	1,520
SP-1 @ 2'	2'	12/5/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	128	32.8	161	706
SP-1 @ 3'	3'	6/7/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<4.98
SP-2 @ 6"	6"	12/5/2017	In-Situ	<0.0020	<0.0020	<0.0020	0.0056	0.0024	0.0080	0.0080	<14.9	571	123	694	4,170
SP-2 @ 1'	1'	12/5/2017	In-Situ	<0.0020	<0.0020	<0.0020	0.0068	0.0023	0.0091	0.0091	<14.9	288	60.0	348	11,400
SP-2 @ 2'	2'	12/5/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	272	55.4	327	2,470
SP-2 @ 3'	3'	12/5/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	109	22.0	131	1,700
SP-2 @ 3'	3'	5/11/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0039	<0.0020	<0.0020	<0.0020	<14.9	29.9	<14.9	29.9	699
SP-2 @ 4'	4'	5/11/2018	In-Situ	<0.0019	<0.0019	<0.0019	<0.0039	<0.0019	<0.0019	<0.0019	<15.0	<15.0	<15.0	<15.0	361
SP-3 @ 6"	6"	12/5/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	58.8	<15.0	58.8	3,420
SP-3 @ 1'	1'	12/5/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	24.0	<15.0	24.0	2,080
SP-3 @ 2'	2'	12/5/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	54.3	<15.0	54.3	227
SP-4 @ 6"	6"	12/5/2017	In-Situ	-	-	-	-	-	-	-	673	4,370	846	5,890	14,300
SP-4 @ 1'	1'	12/5/2017	In-Situ	<0.0020	0.0048	0.0311	0.0884	0.0442	0.133	0.169	114	1,330	256	1,700	2,710
SP-4 @ 2'	2'	5/11/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0039	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<5.00
SP-4 @ 3'	3'	5/11/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0039	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	18.3
SP-5 @ 6"	6"	12/5/2017	In-Situ	<0.0020	<0.0020	0.0025	0.0121	0.0049	0.0170	0.0195	22.3	477	101	600	2,600
SP-5 @ 1'	1'	12/5/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	20.9	<15.0	20.9	652
SP-5 @ 2'	2'	6/7/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	38.8	<15.0	38.8	<4.94
SP-6 @ 6"	6"	12/5/2017	In-Situ	<0.0020	<0.0020	<0.0020	0.0052	0.0023	0.0074	0.0074	23.2	463	90.0	576	5.89

NE = Not established

- = Not analyzed

Concentrations in BOLD exceed NMOCD RRALs

TABLE 2
CHLORIDE FIELD TESTS

OXY USA, INC.
PRIZE FEDERAL #2
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #: 1RP-4888



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	HACH QUANTAB
				CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Level (RRAL)				600
SP-1 @ 6"	6"	12/5/2017	In-Situ	2,188
SP-1 @ 1'	1'	12/5/2017	In-Situ	644
SP-1 @ 2'	2'	12/5/2017	In-Situ	516
SP-1 @ 3'	3'	6/7/2018	In-Situ	<128
SP-2 @ 6"	6"	12/5/2017	In-Situ	7,956
SP-2 @ 1'	1'	12/5/2017	In-Situ	13,664
SP-2 @ 2'	2'	12/5/2017	In-Situ	1,756
SP-2 @ 3'	3'	12/5/2017	In-Situ	516
SP-2 @ 3'	3'	5/11/2018	In-Situ	636
SP-2 @ 4'	4'	5/11/2018	In-Situ	368
SP-3 @ 6"	6"	12/5/2017	In-Situ	3,284
SP-3 @ 1'	1'	12/5/2017	In-Situ	2,552
SP-3 @ 2'	2'	12/5/2017	In-Situ	228
SP-4 @ 6"	6"	12/5/2017	In-Situ	12,396
SP-4 @ 1'	1'	12/5/2017	In-Situ	392
SP-4 @ 2'	2'	5/11/2018	In-Situ	408
SP-4 @ 3'	3'	5/11/2018	In-Situ	<116
SP-5 @ 6"	6"	12/5/2017	In-Situ	908
SP-5 @ 1'	1'	12/5/2017	In-Situ	472
SP-5 @ 2'	2'	6/7/2018	In-Situ	<128
SP-6 @ 6"	6"	12/5/2017	In-Situ	<124

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	PO BOX 4294; HOUSTON, TX 77210	Telephone No.	575-390-2828
Facility Name	PRIZE FEDERAL #2	Facility Type	WELL

Surface Owner	BLM	Mineral Owner	BLM	API No.	30-025-31902
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LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	27	22S	32E	660	SOUTH	660	EAST	LEA

Latitude 32.3572006 Longitude -103.6561737 NAD83

NATURE OF RELEASE

Type of Release	OIL & PRODUCED WATER	Volume of Release	6 BBLs OIL 9 BBLs PRODUCED WATER	Volume Recovered	TBD
Source of Release	STUFFING BOX FAILURE	Date and Hour of Occurrence	11/25/2017	Date and Hour of Discovery	
Was Immediate Notice Given?	☒ Yes ☐ No ☐ Not Required	If YES, To Whom?	OLIVIA YU-NMOCD; SHELLY TUCKER-BLM		
By Whom?	WADE DITTRICH	Date and Hour	11/27/2017 @ 3:03 PM		
Was a Watercourse Reached?	☐ Yes ☒ No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

RECEIVED

By Olivia Yu at 4:19 pm, Dec 06, 2017

Describe Cause of Problem and Remedial Action Taken.*

Leak was caused by a stuffing box failure. Stuffing box has been repaired and returned to service. Recovery process is still in progress.

Describe Area Affected and Cleanup Action Taken.*

The affected area is 30 ftX10ft & 30ft x 2ft (measurements are subject to change with GPS tracking). Remediation will be completed in accordance with a remediation plan approved by the NMOCD and the BLM.

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

Signature:				OIL CONSERVATION DIVISION	
Printed Name:	WADE DITTRICH			Approved by Environmental Specialist: 	
Title:	ENVIROMENTAL SPECIALIST			Approval Date:	12/6/2017
E-mail Address:	wade_dittrich@oxy.com			Expiration Date:	
Date:	12-4-17			Conditions of Approval:	see attached directive
Phone:	575-390-2828			Attached	☒

* Attach Additional Sheets If Necessary

1RP-4888

nOY1734059505

pOY1734059829

Appendix B

Depth-to-Groundwater Data



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 626455.62

Northing (Y): 3580808.28

Radius: 2414

Appendix C

Photographs

OXY USA, Inc. – Prize Federal #2

Unit Letter “P” (SE/SE), Section 27, Township 22S, Range 32E



Release (Looking Northeast)



Release (Looking Northeast)

OXY USA, Inc. – Prize Federal #2

Unit Letter “P” (SE/SE), Section 27, Township 22S, Range 32E



Release (Looking North)



Release (Looking West-Northwest)

OXY USA, Inc. – Prize Federal #2

Unit Letter “P” (SE/SE), Section 27, Township 22S, Range 32E



Release (Looking West)



Release (Looking Northeast)

OXY USA, Inc. – Prize Federal #2

Unit Letter “P” (SE/SE), Section 27, Township 22S, Range 32E



Release (Looking North-Northeast)



Release (Looking North)

OXY USA, Inc. – Prize Federal #2

Unit Letter “P” (SE/SE), Section 27, Township 22S, Range 32E



Release (Looking Northeast)



Release (Looking East-Northeast)

OXY USA, Inc. – Prize Federal #2

Unit Letter “P” (SE/SE), Section 27, Township 22S, Range 32E



Release (Looking East)



Release (Looking North-Northeast)

OXY USA, Inc. – Prize Federal #2

Unit Letter “P” (SE/SE), Section 27, Township 22S, Range 32E



Release (Looking North-Northeast)



Release (Looking West)

OXY USA, Inc. – Prize Federal #2

Unit Letter “P” (SE/SE), Section 27, Township 22S, Range 32E



Release (Looking Northwest)



Release (Looking North)

OXY USA, Inc. – Prize Federal #2
Unit Letter “P” (SE/SE), Section 27, Township 22S, Range 32E



Release (Looking West)



Release (Looking West-Southwest)

OXY USA, Inc. – Prize Federal #2

Unit Letter “P” (SE/SE), Section 27, Township 22S, Range 32E



Release (Looking North-Northwest)



Release (Looking South)

OXY USA, Inc. – Prize Federal #2

Unit Letter “P” (SE/SE), Section 27, Township 22S, Range 32E



Release (Looking West)



Release (Looking Southwest)

OXY USA, Inc. – Prize Federal #2

Unit Letter “P” (SE/SE), Section 27, Township 22S, Range 32E



Release (Looking South)



Release (Looking South-Southeast)

OXY USA, Inc. – Prize Federal #2

Unit Letter “P” (SE/SE), Section 27, Township 22S, Range 32E



Release (Looking West-Northwest)



Release (Looking West)

Appendix D

Laboratory Analytical Reports



Certificate of Analysis Summary 570438

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Prize Federal 002



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Wed Dec-06-17 02:00 pm

Report Date: 18-DEC-17

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	570438-001	570438-002	570438-003	570438-004	570438-005	570438-006
	<i>Field Id:</i>	Sp-1@6"	Sp-1@1'	Sp-1@2'	Sp-2@6"	Sp-2@1'	Sp-2@2'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Dec-05-17 10:20	Dec-05-17 10:45	Dec-05-17 10:55	Dec-05-17 11:14	Dec-05-17 11:20	Dec-05-17 11:23
BTEX by EPA 8021B	<i>Extracted:</i>	Dec-14-17 11:00	Dec-14-17 16:00	Dec-14-17 16:00	Dec-14-17 16:00	Dec-14-17 16:00	Dec-14-17 16:00
	<i>Analyzed:</i>	Dec-14-17 23:57	Dec-15-17 11:00	Dec-15-17 11:19	Dec-15-17 11:38	Dec-15-17 11:57	Dec-15-17 12:16
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00201 0.00201	<0.00200 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.00202 0.00202
Toluene		<0.00201 0.00201	0.00220 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.00202 0.00202
Ethylbenzene		<0.00201 0.00201	0.00304 0.00200	<0.00198 0.00198	<0.00200 0.00200	<0.00201 0.00201	<0.00202 0.00202
m,p-Xylenes		0.00599 0.00402	0.0171 0.00399	<0.00397 0.00397	0.00561 0.00399	0.00679 0.00402	<0.00403 0.00403
o-Xylene		0.00379 0.00201	0.00881 0.00200	<0.00198 0.00198	0.00237 0.00200	0.00234 0.00201	<0.00202 0.00202
Total Xylenes		0.00978 0.00201	0.0259 0.00200	<0.00198 0.00198	0.00798 0.00200	0.00913 0.00201	<0.00202 0.00202
Total BTEX		0.00978 0.00201	0.0312 0.00200	<0.00198 0.00198	0.00798 0.00200	0.00913 0.00201	<0.00202 0.00202
Chloride by EPA 300	<i>Extracted:</i>	Dec-11-17 10:30	Dec-11-17 10:30	Dec-11-17 10:30	Dec-11-17 10:30	Dec-11-17 10:30	Dec-11-17 10:30
	<i>Analyzed:</i>	Dec-11-17 13:28	Dec-11-17 13:34	Dec-11-17 12:47	Dec-11-17 13:40	Dec-11-17 13:46	Dec-11-17 13:52
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		2790 24.7	1520 25.0	706 4.98	4170 25.0	11400 98.8	2470 24.9
TPH By SW8015 Mod	<i>Extracted:</i>	Dec-07-17 16:00	Dec-07-17 16:00	Dec-07-17 16:00	Dec-07-17 16:00	Dec-07-17 16:00	Dec-07-17 16:00
	<i>Analyzed:</i>	Dec-08-17 02:17	Dec-08-17 09:17	Dec-08-17 02:58	Dec-08-17 03:19	Dec-08-17 03:41	Dec-08-17 04:44
	<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	29.1 15.0	<15.0 15.0	<14.9 14.9	<14.9 14.9	<15.0 15.0
Diesel Range Organics (DRO)		586 15.0	1030 15.0	128 15.0	571 14.9	288 14.9	272 15.0
Oil Range Hydrocarbons (ORO)		133 15.0	222 15.0	32.8 15.0	123 14.9	60.0 14.9	55.4 15.0
Total TPH		719 15.0	1280 15.0	161 15.0	694 14.9	348 14.9	327 15.0

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

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Holly Taylor
Project Manager



Certificate of Analysis Summary 570438

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Prize Federal 002



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Wed Dec-06-17 02:00 pm

Report Date: 18-DEC-17

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	570438-007	570438-008	570438-009	570438-010	570438-011	570438-012
	<i>Field Id:</i>	Sp-2@3'	Sp-3@6"	Sp-3@1'	Sp-3@2'	Sp-4@6"	Sp-4@1'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Dec-05-17 11:28	Dec-05-17 11:43	Dec-05-17 11:45	Dec-05-17 11:48	Dec-05-17 12:07	Dec-05-17 12:10
BTEX by EPA 8021B	<i>Extracted:</i>	Dec-14-17 11:00	Dec-14-17 16:00	Dec-14-17 11:00	Dec-14-17 11:00		Dec-14-17 11:00
	<i>Analyzed:</i>	Dec-15-17 00:35	Dec-15-17 09:06	Dec-15-17 00:54	Dec-15-17 01:13		Dec-15-17 01:32
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		mg/kg RL
Benzene		<0.00200 0.00200	<0.00202 0.00202	<0.00199 0.00199	<0.00200 0.00200		<0.00202 0.00202
Toluene		<0.00200 0.00200	<0.00202 0.00202	<0.00199 0.00199	<0.00200 0.00200		0.00482 0.00202
Ethylbenzene		<0.00200 0.00200	<0.00202 0.00202	<0.00199 0.00199	<0.00200 0.00200		0.0311 0.00202
m,p-Xylenes		<0.00401 0.00401	<0.00403 0.00403	<0.00398 0.00398	<0.00399 0.00399		0.0884 0.00403
o-Xylene		<0.00200 0.00200	<0.00202 0.00202	<0.00199 0.00199	<0.00200 0.00200		0.0442 0.00202
Total Xylenes		<0.00200 0.00200	<0.00202 0.00202	<0.00199 0.00199	<0.00200 0.00200		0.133 0.00202
Total BTEX		<0.00200 0.00200	<0.00202 0.00202	<0.00199 0.00199	<0.00200 0.00200		0.169 0.00202
Chloride by EPA 300	<i>Extracted:</i>	Dec-11-17 10:30	Dec-11-17 10:30	Dec-11-17 16:20	Dec-11-17 10:30	Dec-11-17 16:20	Dec-11-17 16:20
	<i>Analyzed:</i>	Dec-11-17 13:58	Dec-11-17 14:04	Dec-11-17 18:07	Dec-11-17 11:24	Dec-11-17 18:31	Dec-11-17 18:37
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		1700 24.6	3420 24.6	2080 25.0	227 4.90	14300 99.0	2710 24.7
TPH By SW8015 Mod	<i>Extracted:</i>	Dec-07-17 16:00	Dec-07-17 16:00	Dec-07-17 16:00	Dec-07-17 16:00	Dec-07-17 16:00	Dec-07-17 16:00
	<i>Analyzed:</i>	Dec-08-17 05:04	Dec-08-17 05:24	Dec-08-17 05:45	Dec-08-17 06:06	Dec-08-17 06:28	Dec-08-17 09:38
	<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	673 74.9	114 15.0
Diesel Range Organics (DRO)		109 15.0	58.8 15.0	24.0 15.0	54.3 15.0	4370 74.9	1330 15.0
Oil Range Hydrocarbons (ORO)		22.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	846 74.9	256 15.0
Total TPH		131 15.0	58.8 15.0	24.0 15.0	54.3 15.0	5890 74.9	1700 15.0

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Holly Taylor
Project Manager



Certificate of Analysis Summary 570438

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Prize Federal 002



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Wed Dec-06-17 02:00 pm

Report Date: 18-DEC-17

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	570438-013	570438-014	570438-015			
	<i>Field Id:</i>	Sp-5@6"	Sp-5@1'	Sp-6@6"			
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL			
	<i>Sampled:</i>	Dec-05-17 12:26	Dec-05-17 12:28	Dec-05-17 12:45			
BTEX by EPA 8021B	<i>Extracted:</i>	Dec-14-17 16:00	Dec-14-17 16:00	Dec-14-17 16:00			
	<i>Analyzed:</i>	Dec-15-17 13:13	Dec-15-17 12:35	Dec-15-17 12:54			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		<0.00202 0.00202	<0.00199 0.00199	<0.00199 0.00199			
Toluene		<0.00202 0.00202	<0.00199 0.00199	<0.00199 0.00199			
Ethylbenzene		0.00251 0.00202	<0.00199 0.00199	<0.00199 0.00199			
m,p-Xylenes		0.0121 0.00404	<0.00398 0.00398	0.00515 0.00398			
o-Xylene		0.00489 0.00202	<0.00199 0.00199	0.00229 0.00199			
Total Xylenes		0.0170 0.00202	<0.00199 0.00199	0.00744 0.00199			
Total BTEX		0.0195 0.00202	<0.00199 0.00199	0.00744 0.00199			
Chloride by EPA 300	<i>Extracted:</i>	Dec-11-17 16:20	Dec-11-17 16:20	Dec-11-17 16:20			
	<i>Analyzed:</i>	Dec-11-17 18:42	Dec-11-17 18:48	Dec-11-17 18:54			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		2600 24.7	652 4.95	5.89 4.94			
TPH By SW8015 Mod	<i>Extracted:</i>	Dec-07-17 16:00	Dec-07-17 16:00	Dec-07-17 16:00			
	<i>Analyzed:</i>	Dec-08-17 07:08	Dec-08-17 07:28	Dec-08-17 07:47			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Gasoline Range Hydrocarbons (GRO)		22.3 15.0	<15.0 15.0	23.2 15.0			
Diesel Range Organics (DRO)		477 15.0	20.9 15.0	463 15.0			
Oil Range Hydrocarbons (ORO)		101 15.0	<15.0 15.0	90.0 15.0			
Total TPH		600 15.0	20.9 15.0	576 15.0			

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Holly Taylor
Project Manager

Analytical Report 570438
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Prize Federal 002

18-DEC-17

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

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

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

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



18-DEC-17

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

Reference: XENCO Report No(s): **570438**
Prize Federal 002
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) 570438. 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. 570438 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

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

Respectfully,

Holly Taylor
Project Manager

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Sample Cross Reference 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Sp-1@6"	S	12-05-17 10:20		570438-001
Sp-1@1'	S	12-05-17 10:45		570438-002
Sp-1@2'	S	12-05-17 10:55		570438-003
Sp-2@6"	S	12-05-17 11:14		570438-004
Sp-2@1'	S	12-05-17 11:20		570438-005
Sp-2@2'	S	12-05-17 11:23		570438-006
Sp-2@3'	S	12-05-17 11:28		570438-007
Sp-3@6"	S	12-05-17 11:43		570438-008
Sp-3@1'	S	12-05-17 11:45		570438-009
Sp-3@2'	S	12-05-17 11:48		570438-010
Sp-4@6"	S	12-05-17 12:07		570438-011
Sp-4@1'	S	12-05-17 12:10		570438-012
Sp-5@6"	S	12-05-17 12:26		570438-013
Sp-5@1'	S	12-05-17 12:28		570438-014
Sp-6@6"	S	12-05-17 12:45		570438-015



CASE NARRATIVE

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

Project Name: *Prize Federal 002*

Project ID:
Work Order Number(s): 570438

Report Date: 18-DEC-17
Date Received: 12/06/2017

Sample receipt non conformances and comments:

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3035758 Chloride by EPA 300

Lab Sample ID 570438-010 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 570438-001, -002, -003, -004, -005, -006, -007, -008, -010.

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

Batch: LBA-3036004 BTEX by EPA 8021B

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

Batch: LBA-3036005 BTEX by EPA 8021B

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



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-1@6"**
Lab Sample Id: 570438-001

Matrix: Soil
Date Collected: 12.05.17 10.20

Date Received: 12.06.17 14.00

Analytical Method: Chloride by EPA 300
Tech: OJS
Analyst: OJS
Seq Number: 3035758

Prep Method: E300P
% Moisture:
Date Prep: 12.11.17 10.30
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2790	24.7	mg/kg	12.11.17 13.28		5

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3035311

Prep Method: TX1005P
% Moisture:
Date Prep: 12.07.17 16.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.08.17 02.17	U	1
Diesel Range Organics (DRO)	C10C28DRO	586	15.0	mg/kg	12.08.17 02.17		1
Oil Range Hydrocarbons (ORO)	PHCG2835	133	15.0	mg/kg	12.08.17 02.17		1
Total TPH	PHC635	719	15.0	mg/kg	12.08.17 02.17		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	91	%	70-135	12.08.17 02.17		
o-Terphenyl	84-15-1	87	%	70-135	12.08.17 02.17		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-1@6"**
Lab Sample Id: 570438-001

Matrix: Soil
Date Collected: 12.05.17 10.20

Date Received: 12.06.17 14.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.14.17 11.00

Basis: Wet Weight

Seq Number: 3036004

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.14.17 23.57	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.14.17 23.57	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.14.17 23.57	U	1
m,p-Xylenes	179601-23-1	0.00599	0.00402	mg/kg	12.14.17 23.57		1
o-Xylene	95-47-6	0.00379	0.00201	mg/kg	12.14.17 23.57		1
Total Xylenes	1330-20-7	0.00978	0.00201	mg/kg	12.14.17 23.57		1
Total BTEX		0.00978	0.00201	mg/kg	12.14.17 23.57		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	96	%	80-120	12.14.17 23.57		
1,4-Difluorobenzene	540-36-3	87	%	80-120	12.14.17 23.57		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-1@1'**
Lab Sample Id: 570438-002

Matrix: Soil
Date Collected: 12.05.17 10.45

Date Received: 12.06.17 14.00

Analytical Method: Chloride by EPA 300
Tech: OJS
Analyst: OJS
Seq Number: 3035758

Prep Method: E300P
% Moisture:
Date Prep: 12.11.17 10.30
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1520	25.0	mg/kg	12.11.17 13.34		5

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3035311

Prep Method: TX1005P
% Moisture:
Date Prep: 12.07.17 16.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	29.1	15.0	mg/kg	12.08.17 09.17		1
Diesel Range Organics (DRO)	C10C28DRO	1030	15.0	mg/kg	12.08.17 09.17		1
Oil Range Hydrocarbons (ORO)	PHCG2835	222	15.0	mg/kg	12.08.17 09.17		1
Total TPH	PHC635	1280	15.0	mg/kg	12.08.17 09.17		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	87	%	70-135	12.08.17 09.17		
o-Terphenyl	84-15-1	82	%	70-135	12.08.17 09.17		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-1@1'**
Lab Sample Id: 570438-002

Matrix: Soil
Date Collected: 12.05.17 10.45

Date Received: 12.06.17 14.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.14.17 16.00

Basis: Wet Weight

Seq Number: 3036005

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.15.17 11.00	U	1
Toluene	108-88-3	0.00220	0.00200	mg/kg	12.15.17 11.00		1
Ethylbenzene	100-41-4	0.00304	0.00200	mg/kg	12.15.17 11.00		1
m,p-Xylenes	179601-23-1	0.0171	0.00399	mg/kg	12.15.17 11.00		1
o-Xylene	95-47-6	0.00881	0.00200	mg/kg	12.15.17 11.00		1
Total Xylenes	1330-20-7	0.0259	0.00200	mg/kg	12.15.17 11.00		1
Total BTEX		0.0312	0.00200	mg/kg	12.15.17 11.00		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	95	%	80-120	12.15.17 11.00		
1,4-Difluorobenzene	540-36-3	86	%	80-120	12.15.17 11.00		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-1@2'**
Lab Sample Id: 570438-003

Matrix: Soil
Date Collected: 12.05.17 10.55

Date Received: 12.06.17 14.00

Analytical Method: Chloride by EPA 300
Tech: OJS
Analyst: OJS
Seq Number: 3035758

Prep Method: E300P
% Moisture:
Date Prep: 12.11.17 10.30
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	706	4.98	mg/kg	12.11.17 12.47		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3035311

Prep Method: TX1005P
% Moisture:
Date Prep: 12.07.17 16.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.08.17 02.58	U	1
Diesel Range Organics (DRO)	C10C28DRO	128	15.0	mg/kg	12.08.17 02.58		1
Oil Range Hydrocarbons (ORO)	PHCG2835	32.8	15.0	mg/kg	12.08.17 02.58		1
Total TPH	PHC635	161	15.0	mg/kg	12.08.17 02.58		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	86	%	70-135	12.08.17 02.58		
o-Terphenyl	84-15-1	85	%	70-135	12.08.17 02.58		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-1@2'**
Lab Sample Id: 570438-003

Matrix: Soil
Date Collected: 12.05.17 10.55

Date Received: 12.06.17 14.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.14.17 16.00

Basis: Wet Weight

Seq Number: 3036005

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	12.15.17 11.19	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.15.17 11.19	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.15.17 11.19	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	12.15.17 11.19	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.15.17 11.19	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	12.15.17 11.19	U	1
Total BTEX		<0.00198	0.00198	mg/kg	12.15.17 11.19	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	91	%	80-120	12.15.17 11.19		
1,4-Difluorobenzene	540-36-3	86	%	80-120	12.15.17 11.19		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

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

Matrix: Soil

Date Received: 12.06.17 14.00

Lab Sample Id: 570438-004

Date Collected: 12.05.17 11.14

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: OJS

% Moisture:

Analyst: OJS

Date Prep: 12.11.17 10.30

Basis: Wet Weight

Seq Number: 3035758

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4170	25.0	mg/kg	12.11.17 13.40		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.07.17 16.00

Basis: Wet Weight

Seq Number: 3035311

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	12.08.17 03.19	U	1
Diesel Range Organics (DRO)	C10C28DRO	571	14.9	mg/kg	12.08.17 03.19		1
Oil Range Hydrocarbons (ORO)	PHCG2835	123	14.9	mg/kg	12.08.17 03.19		1
Total TPH	PHC635	694	14.9	mg/kg	12.08.17 03.19		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	12.08.17 03.19	
o-Terphenyl	84-15-1	96	%	70-135	12.08.17 03.19	



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-2@6"**
Lab Sample Id: 570438-004

Matrix: Soil
Date Collected: 12.05.17 11.14

Date Received: 12.06.17 14.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.14.17 16.00

Basis: Wet Weight

Seq Number: 3036005

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.15.17 11.38	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.15.17 11.38	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.15.17 11.38	U	1
m,p-Xylenes	179601-23-1	0.00561	0.00399	mg/kg	12.15.17 11.38		1
o-Xylene	95-47-6	0.00237	0.00200	mg/kg	12.15.17 11.38		1
Total Xylenes	1330-20-7	0.00798	0.00200	mg/kg	12.15.17 11.38		1
Total BTEX		0.00798	0.00200	mg/kg	12.15.17 11.38		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	93	%	80-120	12.15.17 11.38		
1,4-Difluorobenzene	540-36-3	89	%	80-120	12.15.17 11.38		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-2@1'**
Lab Sample Id: 570438-005

Matrix: Soil
Date Collected: 12.05.17 11.20

Date Received: 12.06.17 14.00

Analytical Method: Chloride by EPA 300
Tech: OJS
Analyst: OJS
Seq Number: 3035758

Prep Method: E300P
% Moisture:
Date Prep: 12.11.17 10.30
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	11400	98.8	mg/kg	12.11.17 13.46		20

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3035311

Prep Method: TX1005P
% Moisture:
Date Prep: 12.07.17 16.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	12.08.17 03.41	U	1
Diesel Range Organics (DRO)	C10C28DRO	288	14.9	mg/kg	12.08.17 03.41		1
Oil Range Hydrocarbons (ORO)	PHCG2835	60.0	14.9	mg/kg	12.08.17 03.41		1
Total TPH	PHC635	348	14.9	mg/kg	12.08.17 03.41		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	82	%	70-135	12.08.17 03.41		
o-Terphenyl	84-15-1	87	%	70-135	12.08.17 03.41		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-2@1'**
Lab Sample Id: 570438-005

Matrix: Soil
Date Collected: 12.05.17 11.20

Date Received: 12.06.17 14.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.14.17 16.00

Basis: Wet Weight

Seq Number: 3036005

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.15.17 11.57	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.15.17 11.57	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.15.17 11.57	U	1
m,p-Xylenes	179601-23-1	0.00679	0.00402	mg/kg	12.15.17 11.57		1
o-Xylene	95-47-6	0.00234	0.00201	mg/kg	12.15.17 11.57		1
Total Xylenes	1330-20-7	0.00913	0.00201	mg/kg	12.15.17 11.57		1
Total BTEX		0.00913	0.00201	mg/kg	12.15.17 11.57		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	85	%	80-120	12.15.17 11.57		
4-Bromofluorobenzene	460-00-4	91	%	80-120	12.15.17 11.57		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-2@2'**
Lab Sample Id: 570438-006

Matrix: Soil
Date Collected: 12.05.17 11.23

Date Received: 12.06.17 14.00

Analytical Method: Chloride by EPA 300
Tech: OJS
Analyst: OJS
Seq Number: 3035758

Date Prep: 12.11.17 10.30

Prep Method: E300P
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2470	24.9	mg/kg	12.11.17 13.52		5

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3035311

Date Prep: 12.07.17 16.00

Prep Method: TX1005P
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.08.17 04.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	272	15.0	mg/kg	12.08.17 04.44		1
Oil Range Hydrocarbons (ORO)	PHCG2835	55.4	15.0	mg/kg	12.08.17 04.44		1
Total TPH	PHC635	327	15.0	mg/kg	12.08.17 04.44		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-135	12.08.17 04.44	
o-Terphenyl	84-15-1	92	%	70-135	12.08.17 04.44	



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-2@2'**
Lab Sample Id: 570438-006

Matrix: Soil
Date Collected: 12.05.17 11.23

Date Received: 12.06.17 14.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.14.17 16.00

Basis: Wet Weight

Seq Number: 3036005

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.15.17 12.16	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.15.17 12.16	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.15.17 12.16	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	12.15.17 12.16	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.15.17 12.16	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	12.15.17 12.16	U	1
Total BTEX		<0.00202	0.00202	mg/kg	12.15.17 12.16	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	96	%	80-120	12.15.17 12.16		
1,4-Difluorobenzene	540-36-3	90	%	80-120	12.15.17 12.16		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-2@3'**
Lab Sample Id: 570438-007

Matrix: Soil
Date Collected: 12.05.17 11.28

Date Received: 12.06.17 14.00

Analytical Method: Chloride by EPA 300
Tech: OJS
Analyst: OJS
Seq Number: 3035758

Prep Method: E300P
% Moisture:
Date Prep: 12.11.17 10.30
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1700	24.6	mg/kg	12.11.17 13.58		5

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3035311

Prep Method: TX1005P
% Moisture:
Date Prep: 12.07.17 16.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.08.17 05.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	109	15.0	mg/kg	12.08.17 05.04		1
Oil Range Hydrocarbons (ORO)	PHCG2835	22.0	15.0	mg/kg	12.08.17 05.04		1
Total TPH	PHC635	131	15.0	mg/kg	12.08.17 05.04		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	81	%	70-135	12.08.17 05.04		
o-Terphenyl	84-15-1	87	%	70-135	12.08.17 05.04		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-2@3'**
Lab Sample Id: 570438-007

Matrix: Soil
Date Collected: 12.05.17 11.28

Date Received: 12.06.17 14.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.14.17 11.00

Basis: Wet Weight

Seq Number: 3036004

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.15.17 00.35	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.15.17 00.35	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.15.17 00.35	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.15.17 00.35	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.15.17 00.35	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.15.17 00.35	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.15.17 00.35	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	94	%	80-120	12.15.17 00.35		
1,4-Difluorobenzene	540-36-3	89	%	80-120	12.15.17 00.35		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

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

Matrix: Soil

Date Received: 12.06.17 14.00

Lab Sample Id: 570438-008

Date Collected: 12.05.17 11.43

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: OJS

% Moisture:

Analyst: OJS

Date Prep: 12.11.17 10.30

Basis: Wet Weight

Seq Number: 3035758

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	3420	24.6	mg/kg	12.11.17 14.04		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.07.17 16.00

Basis: Wet Weight

Seq Number: 3035311

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.08.17 05.24	U	1
Diesel Range Organics (DRO)	C10C28DRO	58.8	15.0	mg/kg	12.08.17 05.24		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.08.17 05.24	U	1
Total TPH	PHC635	58.8	15.0	mg/kg	12.08.17 05.24		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	12.08.17 05.24	
o-Terphenyl	84-15-1	95	%	70-135	12.08.17 05.24	



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

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

Matrix: Soil

Date Received: 12.06.17 14.00

Lab Sample Id: 570438-008

Date Collected: 12.05.17 11.43

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.14.17 16.00

Basis: Wet Weight

Seq Number: 3036005

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.15.17 09.06	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.15.17 09.06	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.15.17 09.06	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	12.15.17 09.06	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.15.17 09.06	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	12.15.17 09.06	U	1
Total BTEX		<0.00202	0.00202	mg/kg	12.15.17 09.06	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	99	%	80-120	12.15.17 09.06		
1,4-Difluorobenzene	540-36-3	94	%	80-120	12.15.17 09.06		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-3@1'**
Lab Sample Id: 570438-009

Matrix: Soil
Date Collected: 12.05.17 11.45

Date Received: 12.06.17 14.00

Analytical Method: Chloride by EPA 300

Tech: LRI

Analyst: OJS

Seq Number: 3035612

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Date Prep: 12.11.17 16.20

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2080	25.0	mg/kg	12.11.17 18.07		5

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3035311

Prep Method: TX1005P

% Moisture:

Basis: Wet Weight

Date Prep: 12.07.17 16.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.08.17 05.45	U	1
Diesel Range Organics (DRO)	C10C28DRO	24.0	15.0	mg/kg	12.08.17 05.45		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.08.17 05.45	U	1
Total TPH	PHC635	24.0	15.0	mg/kg	12.08.17 05.45		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-135	12.08.17 05.45	
o-Terphenyl	84-15-1	83	%	70-135	12.08.17 05.45	



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-3@1'**
Lab Sample Id: 570438-009

Matrix: Soil
Date Collected: 12.05.17 11.45

Date Received: 12.06.17 14.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.14.17 11.00

Basis: Wet Weight

Seq Number: 3036004

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.15.17 00.54	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.15.17 00.54	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.15.17 00.54	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.15.17 00.54	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.15.17 00.54	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.15.17 00.54	U	1
Total BTEX		<0.00199	0.00199	mg/kg	12.15.17 00.54	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	89	%	80-120	12.15.17 00.54		
4-Bromofluorobenzene	460-00-4	81	%	80-120	12.15.17 00.54		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-3@2'**
Lab Sample Id: 570438-010

Matrix: Soil
Date Collected: 12.05.17 11.48

Date Received: 12.06.17 14.00

Analytical Method: Chloride by EPA 300
Tech: OJS
Analyst: OJS
Seq Number: 3035758

Date Prep: 12.11.17 10.30

Prep Method: E300P
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	227	4.90	mg/kg	12.11.17 11.24		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3035311

Date Prep: 12.07.17 16.00

Prep Method: TX1005P
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.08.17 06.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	54.3	15.0	mg/kg	12.08.17 06.06		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.08.17 06.06	U	1
Total TPH	PHC635	54.3	15.0	mg/kg	12.08.17 06.06		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	74	%	70-135	12.08.17 06.06		
o-Terphenyl	84-15-1	80	%	70-135	12.08.17 06.06		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-3@2'**
Lab Sample Id: 570438-010

Matrix: Soil
Date Collected: 12.05.17 11.48

Date Received: 12.06.17 14.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.14.17 11.00

Basis: Wet Weight

Seq Number: 3036004

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.15.17 01.13	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.15.17 01.13	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.15.17 01.13	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.15.17 01.13	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.15.17 01.13	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.15.17 01.13	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.15.17 01.13	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	91	%	80-120	12.15.17 01.13		
4-Bromofluorobenzene	460-00-4	87	%	80-120	12.15.17 01.13		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-4@6"**
Lab Sample Id: 570438-011

Matrix: Soil
Date Collected: 12.05.17 12.07

Date Received: 12.06.17 14.00

Analytical Method: Chloride by EPA 300
Tech: LRI
Analyst: OJS
Seq Number: 3035612

Date Prep: 12.11.17 16.20

Prep Method: E300P
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	14300	99.0	mg/kg	12.11.17 18.31		20

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3035311

Date Prep: 12.07.17 16.00

Prep Method: TX1005P
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	673	74.9	mg/kg	12.08.17 06.28		5
Diesel Range Organics (DRO)	C10C28DRO	4370	74.9	mg/kg	12.08.17 06.28		5
Oil Range Hydrocarbons (ORO)	PHCG2835	846	74.9	mg/kg	12.08.17 06.28		5
Total TPH	PHC635	5890	74.9	mg/kg	12.08.17 06.28		5
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	90	%	70-135	12.08.17 06.28		
o-Terphenyl	84-15-1	91	%	70-135	12.08.17 06.28		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-4@1'**
Lab Sample Id: 570438-012

Matrix: Soil
Date Collected: 12.05.17 12.10

Date Received: 12.06.17 14.00

Analytical Method: Chloride by EPA 300
Tech: LRI
Analyst: OJS
Seq Number: 3035612

Date Prep: 12.11.17 16.20

Prep Method: E300P
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2710	24.7	mg/kg	12.11.17 18.37		5

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3035311

Date Prep: 12.07.17 16.00

Prep Method: TX1005P
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	114	15.0	mg/kg	12.08.17 09.38		1
Diesel Range Organics (DRO)	C10C28DRO	1330	15.0	mg/kg	12.08.17 09.38		1
Oil Range Hydrocarbons (ORO)	PHCG2835	256	15.0	mg/kg	12.08.17 09.38		1
Total TPH	PHC635	1700	15.0	mg/kg	12.08.17 09.38		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	89	%	70-135	12.08.17 09.38		
o-Terphenyl	84-15-1	88	%	70-135	12.08.17 09.38		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-4@1'**
Lab Sample Id: 570438-012

Matrix: Soil
Date Collected: 12.05.17 12.10

Date Received: 12.06.17 14.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.14.17 11.00

Basis: Wet Weight

Seq Number: 3036004

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.15.17 01.32	U	1
Toluene	108-88-3	0.00482	0.00202	mg/kg	12.15.17 01.32		1
Ethylbenzene	100-41-4	0.0311	0.00202	mg/kg	12.15.17 01.32		1
m,p-Xylenes	179601-23-1	0.0884	0.00403	mg/kg	12.15.17 01.32		1
o-Xylene	95-47-6	0.0442	0.00202	mg/kg	12.15.17 01.32		1
Total Xylenes	1330-20-7	0.133	0.00202	mg/kg	12.15.17 01.32		1
Total BTEX		0.169	0.00202	mg/kg	12.15.17 01.32		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	83	%	80-120	12.15.17 01.32		
4-Bromofluorobenzene	460-00-4	108	%	80-120	12.15.17 01.32		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

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

Matrix: Soil

Date Received: 12.06.17 14.00

Lab Sample Id: 570438-013

Date Collected: 12.05.17 12.26

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: OJS

Date Prep: 12.11.17 16.20

Basis: Wet Weight

Seq Number: 3035612

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2600	24.7	mg/kg	12.11.17 18.42		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.07.17 16.00

Basis: Wet Weight

Seq Number: 3035311

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	22.3	15.0	mg/kg	12.08.17 07.08		1
Diesel Range Organics (DRO)	C10C28DRO	477	15.0	mg/kg	12.08.17 07.08		1
Oil Range Hydrocarbons (ORO)	PHCG2835	101	15.0	mg/kg	12.08.17 07.08		1
Total TPH	PHC635	600	15.0	mg/kg	12.08.17 07.08		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-135	12.08.17 07.08	
o-Terphenyl	84-15-1	83	%	70-135	12.08.17 07.08	



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-5@6"**
Lab Sample Id: 570438-013

Matrix: Soil
Date Collected: 12.05.17 12.26

Date Received: 12.06.17 14.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.14.17 16.00

Basis: Wet Weight

Seq Number: 3036005

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.15.17 13.13	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.15.17 13.13	U	1
Ethylbenzene	100-41-4	0.00251	0.00202	mg/kg	12.15.17 13.13		1
m,p-Xylenes	179601-23-1	0.0121	0.00404	mg/kg	12.15.17 13.13		1
o-Xylene	95-47-6	0.00489	0.00202	mg/kg	12.15.17 13.13		1
Total Xylenes	1330-20-7	0.0170	0.00202	mg/kg	12.15.17 13.13		1
Total BTEX		0.0195	0.00202	mg/kg	12.15.17 13.13		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	100		%	80-120	12.15.17 13.13	
1,4-Difluorobenzene	540-36-3	89		%	80-120	12.15.17 13.13	



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-5@1'**
Lab Sample Id: 570438-014

Matrix: Soil
Date Collected: 12.05.17 12.28

Date Received: 12.06.17 14.00

Analytical Method: Chloride by EPA 300

Tech: LRI

Analyst: OJS

Seq Number: 3035612

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Date Prep: 12.11.17 16.20

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	652	4.95	mg/kg	12.11.17 18.48		1

Analytical Method: TPH By SW8015 Mod

Tech: ARM

Analyst: ARM

Seq Number: 3035311

Prep Method: TX1005P

% Moisture:

Basis: Wet Weight

Date Prep: 12.07.17 16.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.08.17 07.28	U	1
Diesel Range Organics (DRO)	C10C28DRO	20.9	15.0	mg/kg	12.08.17 07.28		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.08.17 07.28	U	1
Total TPH	PHC635	20.9	15.0	mg/kg	12.08.17 07.28		1

Surrogate

1-Chlorooctane

o-Terphenyl

Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
111-85-3	81	%	70-135	12.08.17 07.28	
84-15-1	85	%	70-135	12.08.17 07.28	



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-5@1'**
Lab Sample Id: 570438-014

Matrix: Soil
Date Collected: 12.05.17 12.28

Date Received: 12.06.17 14.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.14.17 16.00

Basis: Wet Weight

Seq Number: 3036005

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.15.17 12.35	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.15.17 12.35	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.15.17 12.35	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.15.17 12.35	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.15.17 12.35	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.15.17 12.35	U	1
Total BTEX		<0.00199	0.00199	mg/kg	12.15.17 12.35	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	89	%	80-120	12.15.17 12.35		
1,4-Difluorobenzene	540-36-3	89	%	80-120	12.15.17 12.35		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-6@6"**
Lab Sample Id: 570438-015

Matrix: Soil
Date Collected: 12.05.17 12.45

Date Received: 12.06.17 14.00

Analytical Method: Chloride by EPA 300
Tech: LRI
Analyst: OJS
Seq Number: 3035612

Date Prep: 12.11.17 16.20

Prep Method: E300P
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	5.89	4.94	mg/kg	12.11.17 18.54		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3035311

Date Prep: 12.07.17 16.00

Prep Method: TX1005P
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	23.2	15.0	mg/kg	12.08.17 07.47		1
Diesel Range Organics (DRO)	C10C28DRO	463	15.0	mg/kg	12.08.17 07.47		1
Oil Range Hydrocarbons (ORO)	PHCG2835	90.0	15.0	mg/kg	12.08.17 07.47		1
Total TPH	PHC635	576	15.0	mg/kg	12.08.17 07.47		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	85	%	70-135	12.08.17 07.47		
o-Terphenyl	84-15-1	90	%	70-135	12.08.17 07.47		



Certificate of Analytical Results 570438



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal 002

Sample Id: **Sp-6@6"**
Lab Sample Id: 570438-015

Matrix: Soil
Date Collected: 12.05.17 12.45

Date Received: 12.06.17 14.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.14.17 16.00

Basis: Wet Weight

Seq Number: 3036005

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.15.17 12.54	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.15.17 12.54	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.15.17 12.54	U	1
m,p-Xylenes	179601-23-1	0.00515	0.00398	mg/kg	12.15.17 12.54		1
o-Xylene	95-47-6	0.00229	0.00199	mg/kg	12.15.17 12.54		1
Total Xylenes	1330-20-7	0.00744	0.00199	mg/kg	12.15.17 12.54		1
Total BTEX		0.00744	0.00199	mg/kg	12.15.17 12.54		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	100	%	80-120	12.15.17 12.54		
1,4-Difluorobenzene	540-36-3	89	%	80-120	12.15.17 12.54		

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

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

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Trinity Oilfield Services & Rentals, LLC
Prize Federal 002**Analytical Method: Chloride by EPA 300**

Seq Number: 3035758

MB Sample Id: 7635746-1-BLK

Matrix: Solid

LCS Sample Id: 7635746-1-BKS

Prep Method: E300P

Date Prep: 12.11.17

LCSD Sample Id: 7635746-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	252	101	255	102	90-110	1	20	mg/kg	12.11.17 09:57	

Analytical Method: Chloride by EPA 300

Seq Number: 3035612

MB Sample Id: 7635780-1-BLK

Matrix: Solid

LCS Sample Id: 7635780-1-BKS

Prep Method: E300P

Date Prep: 12.11.17

LCSD Sample Id: 7635780-1-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	251	100	255	102	90-110	2	20	mg/kg	12.11.17 17:19	

Analytical Method: Chloride by EPA 300

Seq Number: 3035758

Parent Sample Id: 570438-003

Matrix: Soil

MS Sample Id: 570438-003 S

Prep Method: E300P

Date Prep: 12.11.17

MSD Sample Id: 570438-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	706	249	915	84	914	84	90-110	0	20	mg/kg	12.11.17 12:53	X

Analytical Method: Chloride by EPA 300

Seq Number: 3035758

Parent Sample Id: 570438-010

Matrix: Soil

MS Sample Id: 570438-010 S

Prep Method: E300P

Date Prep: 12.11.17

MSD Sample Id: 570438-010 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	227	245	474	101	477	102	90-110	1	20	mg/kg	12.11.17 11:30	

Analytical Method: Chloride by EPA 300

Seq Number: 3035612

Parent Sample Id: 570438-015

Matrix: Soil

MS Sample Id: 570438-015 S

Prep Method: E300P

Date Prep: 12.11.17

MSD Sample Id: 570438-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	5.89	247	265	105	263	104	90-110	1	20	mg/kg	12.11.17 19:00	

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

Trinity Oilfield Services & Rentals, LLC
Prize Federal 002

Analytical Method: Chloride by EPA 300

Seq Number: 3035612

Parent Sample Id: 570722-002

Matrix: Soil

MS Sample Id: 570722-002 S

Prep Method: E300P

Date Prep: 12.11.17

MSD Sample Id: 570722-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	71.9	247	331	105	327	103	90-110	1	20	mg/kg	12.11.17 17:37	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3035311

MB Sample Id: 7635629-1-BLK

Matrix: Solid

LCS Sample Id: 7635629-1-BKS

Prep Method: TX1005P

Date Prep: 12.07.17

LCSD Sample Id: 7635629-1-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	917	92	943	94	70-135	3	35	mg/kg	12.07.17 23:17	
Diesel Range Organics (DRO)	<15.0	1000	982	98	1050	105	70-135	7	35	mg/kg	12.07.17 23:17	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	84		87		104		70-135	%	12.07.17 23:17
o-Terphenyl	90		95		112		70-135	%	12.07.17 23:17

Analytical Method: TPH By SW8015 Mod

Seq Number: 3035311

Parent Sample Id: 570435-003

Matrix: Soil

MS Sample Id: 570435-003 S

Prep Method: TX1005P

Date Prep: 12.07.17

MSD Sample Id: 570435-003 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	999	1030	103	1000	100	70-135	3	35	mg/kg	12.08.17 00:59	
Diesel Range Organics (DRO)	<15.0	999	1110	111	1090	109	70-135	2	35	mg/kg	12.08.17 00:59	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	94		92		70-135	%	12.08.17 00:59
o-Terphenyl	95		94		70-135	%	12.08.17 00:59

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

Trinity Oilfield Services & Rentals, LLC
Prize Federal 002

Analytical Method: BTEX by EPA 8021B

Seq Number: 3036004

MB Sample Id: 7636015-1-BLK

Matrix: Solid

LCS Sample Id: 7636015-1-BKS

Prep Method: SW5030B

Date Prep: 12.14.17

LCSD Sample Id: 7636015-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.110	110	0.104	104	70-130	6	35	mg/kg	12.14.17 07:38	
Toluene	<0.00201	0.100	0.106	106	0.0993	99	70-130	7	35	mg/kg	12.14.17 07:38	
Ethylbenzene	<0.00201	0.100	0.111	111	0.104	104	71-129	7	35	mg/kg	12.14.17 07:38	
m,p-Xylenes	<0.00402	0.201	0.213	106	0.199	100	70-135	7	35	mg/kg	12.14.17 07:38	
o-Xylene	<0.00201	0.100	0.104	104	0.0976	98	71-133	6	35	mg/kg	12.14.17 07:38	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits			Units	Analysis Date	
1,4-Difluorobenzene	91		91		93		80-120			%	12.14.17 07:38	
4-Bromofluorobenzene	89		98		97		80-120			%	12.14.17 07:38	

Analytical Method: BTEX by EPA 8021B

Seq Number: 3036005

MB Sample Id: 7636034-1-BLK

Matrix: Solid

LCS Sample Id: 7636034-1-BKS

Prep Method: SW5030B

Date Prep: 12.14.17

LCSD Sample Id: 7636034-1-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	0.101	101	0.0921	91	70-130	9	35	mg/kg	12.15.17 06:50	
Toluene	<0.00200	0.100	0.0982	98	0.0883	87	70-130	11	35	mg/kg	12.15.17 06:50	
Ethylbenzene	<0.00200	0.100	0.0988	99	0.0911	90	71-129	8	35	mg/kg	12.15.17 06:50	
m,p-Xylenes	<0.00401	0.200	0.189	95	0.174	86	70-135	8	35	mg/kg	12.15.17 06:50	
o-Xylene	<0.00200	0.100	0.0937	94	0.0878	87	71-133	7	35	mg/kg	12.15.17 06:50	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits			Units	Analysis Date	
1,4-Difluorobenzene	90		92		93		80-120			%	12.15.17 06:50	
4-Bromofluorobenzene	83		98		97		80-120			%	12.15.17 06:50	

Analytical Method: BTEX by EPA 8021B

Seq Number: 3036004

Parent Sample Id: 571065-008

Matrix: Soil

MS Sample Id: 571065-008 S

Prep Method: SW5030B

Date Prep: 12.14.17

MSD Sample Id: 571065-008 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	0.0834	83	0.0991	99	70-130	17	35	mg/kg	12.14.17 18:37	
Toluene	<0.00200	0.100	0.0761	76	0.0986	99	70-130	26	35	mg/kg	12.14.17 18:37	
Ethylbenzene	<0.00200	0.100	0.0730	73	0.0860	86	71-129	16	35	mg/kg	12.14.17 18:37	
m,p-Xylenes	<0.00401	0.200	0.144	72	0.133	67	70-135	8	35	mg/kg	12.14.17 18:37	X
o-Xylene	<0.00200	0.100	0.0746	75	0.0958	96	71-133	25	35	mg/kg	12.14.17 18:37	
Surrogate			MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits			Units	Analysis Date	
1,4-Difluorobenzene			101		105		80-120			%	12.14.17 18:37	
4-Bromofluorobenzene			100		109		80-120			%	12.14.17 18:37	

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

Trinity Oilfield Services & Rentals, LLC
Prize Federal 002

Analytical Method: BTEX by EPA 8021B

Seq Number: 3036005

Parent Sample Id: 570438-008

Matrix: Soil

MS Sample Id: 570438-008 S

Prep Method: SW5030B

Date Prep: 12.14.17

MSD Sample Id: 570438-008 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	0.0763	76	0.100	100	70-130	27	35	mg/kg	12.15.17 07:27	
Toluene	<0.00202	0.101	0.0741	73	0.0929	93	70-130	23	35	mg/kg	12.15.17 07:27	
Ethylbenzene	<0.00202	0.101	0.0782	77	0.0902	90	71-129	14	35	mg/kg	12.15.17 07:27	
m,p-Xylenes	<0.00403	0.202	0.151	75	0.172	86	70-135	13	35	mg/kg	12.15.17 07:27	
o-Xylene	<0.00202	0.101	0.0800	79	0.0861	86	71-133	7	35	mg/kg	12.15.17 07:27	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	89		94		80-120	%	12.15.17 07:27
4-Bromofluorobenzene	94		95		80-120	%	12.15.17 07:27

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



CHAIN OF CUSTODY RECORD

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

Page 2 of 2

LAB W.O #:

Field billable Hrs :

570438

* Container Type Codes

VA Vial Amber ES Encore Sampler
 VC Vial Clear TS TerraCore Sampler
 VP Vial Pre-preserved AC Air Canister
 GA Glass Amber TB Tedlar Bag
 GC Glass Clear ZB Zip Lock Bag
 PA Plastic Amber PC Plastic Clear
 Other _____
 Size(s): 2oz, 4oz, 8oz, 16oz, 32oz, 1Gal
 40ml, 125 ml, 250 ml, 500 ml, 1L, Other

** Preservative Type Codes

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

^ Matrix Type Codes

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

REMARKS

Run BTEX if TPH <= 5,000

Run BTEX if TPH <= 5,000

Run BTEX if TPH <= 5,000

Run BTEX if TPH <= 5,000

Run BTEX if TPH <= 5,000

Temp: 2.3°C IR ID:R-8
 CF:(0-6: -0.2°C)
 (6-23: +0.2°C)
 Corrected Temp: 2.1°C

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: Prize Federal 002 PO#:
 Invoice To: Oxy - Wade Dittrich (575)390-2828 Quote #:

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

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field Filtered	Integrity OK (Y/N)	Total # of containers	Example Volatiles by 8260	# Cont	Lab Only.
1	SP-4 @ 6"	12/5/17	1207	S			1	TPH 8015M	X	
2	SP-4 @ 1'	12/5/17	1210	S			1	BTEX	X	
3	SP-5 @ 6"	12/5/17	1226	S			1	Chloride	X	
4	SP-5 @ 1'	12/5/17	1228	S			1		X	
5	SP-6 @ 6"	12/5/17	1245	S			1		X	
6										
7										
8										
9										
0										

See Remarks

Reg. Program / Clean-up Std	STATE for Certs & Regs	QA/QC Level & Certification	EDDs	COC & Labels	Coolers Temp °C	Lab Use Only	YES	NO	N/A
CTLs TRRP DW NPDES LPST DryCln Other:	FL TX GA NC SC NJ PA OK LA AL NM Other:	1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:	ADAPT SEDD ERPIMS XLS Other:	Match Incomplete Absent Unclear	1.8 2 3	Non-Conformances found? Samples intact upon arrival?			
Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time	Received on Wet Ice?	
1	Trinity	12-6-17	1559	Operante Gonzales	Mail Services	12-6-17	4:00	Labeled with proper preservatives?	
2		12-6-17	4:00	Manneeluh	XERO	12-7-17	11:30	Received within holding time?	
3								Custody seals intact?	
4								VOCs rec'd w/o headspace?	
								Proper containers used?	
								pH verified-acceptable, excd VOCs?	
								Received on time to meet HTs?	

B&A Laboratories: Hobbs 575-392-7550 Dallas 214-902-0300 Houston 281-242-4200 Odessa 432-563-1800 San Antonio 210-509-3334 Phoenix 602-437-0330

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

C.O.C. Serial #

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

Revision Date: Nov 12, 2009

Final 1.000

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XENCO Laboratories
Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 12/06/2017 02:00:00 PM

Work Order #: 570438

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	1.8
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	No
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Shawnee Smith

Date: 12/07/2017

Checklist reviewed by:

Holly Taylor

Date: 12/11/2017



Certificate of Analysis Summary 587065

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Prize Federal #2



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Thu May-24-18 10:30 am

Report Date: 30-MAY-18

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	587065-001	587065-002	587065-003	587065-004		
	Field Id:	SP-2 @3'	SP-2 @4'	SP-4 @2'	SP-4 @3'		
	Depth:						
	Matrix:	SOIL	SOIL	SOIL	SOIL		
	Sampled:	May-11-18 11:30	May-11-18 11:40	May-11-18 12:20	May-11-18 12:30		
BTEx by EPA 8021B SUB: T104704219-17-16	Extracted:	May-25-18 12:30	May-25-18 12:30	May-25-18 12:30	May-25-18 12:30		
	Analyzed:	May-26-18 01:24	May-26-18 01:51	May-26-18 02:18	May-26-18 02:45		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		<0.0196 0.0196	<0.0194 0.0194	<0.0197 0.0197	<0.0197 0.0197		
Toluene		<0.0196 0.0196	<0.0194 0.0194	<0.0197 0.0197	<0.0197 0.0197		
Ethylbenzene		<0.0196 0.0196	<0.0194 0.0194	<0.0197 0.0197	<0.0197 0.0197		
m,p-Xylenes		<0.0393 0.0393	<0.0388 0.0388	<0.0394 0.0394	<0.0394 0.0394		
o-Xylene		<0.0196 0.0196	<0.0194 0.0194	<0.0197 0.0197	<0.0197 0.0197		
Total Xylenes		<0.0196 0.0196	<0.0194 0.0194	<0.0197 0.0197	<0.0197 0.0197		
Total BTEx		<0.0196 0.0196	<0.0194 0.0194	<0.0197 0.0197	<0.0197 0.0197		
Chloride by EPA 300	Extracted:	May-25-18 16:30	May-25-18 16:30	May-25-18 16:30	May-25-18 16:30		
	Analyzed:	May-25-18 19:41	May-25-18 21:04	May-25-18 20:58	May-25-18 21:22		
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride		699 4.98	361 4.96	<5.00 5.00	18.3 5.00		
TPH By SW8015 Mod	Extracted:	May-24-18 17:00	May-24-18 17:00	May-24-18 17:00	May-24-18 17:00		
	Analyzed:	May-25-18 16:39	May-25-18 16:58	May-25-18 17:16	May-25-18 17:34		
	Units/RL:	mg/kg 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	<15.0 15.0		
Diesel Range Organics (DRO)		29.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0		
Oil Range Hydrocarbons (ORO)		<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0		
Total TPH		29.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0		

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

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

Holly Taylor
Project Manager

Analytical Report 587065

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Prize Federal #2

30-MAY-18

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-25), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-17-16), 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 (T104704400-18-14)
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)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429)
Xenco-Lakeland: Florida (E84098)



30-MAY-18

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

Reference: XENCO Report No(s): **587065**
Prize Federal #2
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) 587065. 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. 587065 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 587065



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal #2

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-2 @3'	S	05-11-18 11:30		587065-001
SP-2 @4'	S	05-11-18 11:40		587065-002
SP-4 @2'	S	05-11-18 12:20		587065-003
SP-4 @3'	S	05-11-18 12:30		587065-004



CASE NARRATIVE

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

Project Name: *Prize Federal #2*

Project ID:
Work Order Number(s): 587065

Report Date: 30-MAY-18
Date Received: 05/24/2018

Sample receipt non conformance and comments:

5/25/18 OK to run BTEX out of hold time per Ben Argujo.

Sample receipt non conformance and comments per sample:

None

Analytical non conformance and comments:

Batch: LBA-3051559 BTEX by EPA 8021B

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

Batch: LBA-3051664 Inorganic Anions by EPA 300

Lab Sample ID 587065-002 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 587065-001, -002, -003, -004.

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



Certificate of Analytical Results 587065



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal #2

Sample Id: **SP-2 @3'**
Lab Sample Id: 587065-001

Matrix: Soil
Date Collected: 05.11.18 11.30

Date Received: 05.24.18 10.30

Analytical Method: Chloride by EPA 300
Tech: SCM
Analyst: SCM
Seq Number: 3051664

Prep Method: E300P
% Moisture:
Date Prep: 05.25.18 16.30
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	699	4.98	mg/kg	05.25.18 19.41		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3051512

Prep Method: TX1005P
% Moisture:
Date Prep: 05.24.18 17.00
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	05.25.18 16.39	U	1
Diesel Range Organics (DRO)	C10C28DRO	29.9	14.9	mg/kg	05.25.18 16.39		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<14.9	14.9	mg/kg	05.25.18 16.39	U	1
Total TPH	PHC635	29.9	14.9	mg/kg	05.25.18 16.39		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	99	%	70-135	05.25.18 16.39		
o-Terphenyl	84-15-1	100	%	70-135	05.25.18 16.39		



Certificate of Analytical Results 587065



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal #2

Sample Id: **SP-2 @3'**
Lab Sample Id: 587065-001

Matrix: Soil
Date Collected: 05.11.18 11.30

Date Received: 05.24.18 10.30

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3051559

Prep Method: SW5030B

% Moisture:

Date Prep: 05.25.18 12.30

Basis: Wet Weight

SUB: T104704219-17-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0196	0.0196	mg/kg	05.26.18 01.24	UK	1
Toluene	108-88-3	<0.0196	0.0196	mg/kg	05.26.18 01.24	UK	1
Ethylbenzene	100-41-4	<0.0196	0.0196	mg/kg	05.26.18 01.24	UK	1
m,p-Xylenes	179601-23-1	<0.0393	0.0393	mg/kg	05.26.18 01.24	UK	1
o-Xylene	95-47-6	<0.0196	0.0196	mg/kg	05.26.18 01.24	UK	1
Total Xylenes	1330-20-7	<0.0196	0.0196	mg/kg	05.26.18 01.24	UK	1
Total BTEX		<0.0196	0.0196	mg/kg	05.26.18 01.24	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	90	%	68-120	05.26.18 01.24		
a,a,a-Trifluorotoluene	98-08-8	92	%	71-121	05.26.18 01.24		



Certificate of Analytical Results 587065



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal #2

Sample Id: **SP-2 @4'**
Lab Sample Id: 587065-002

Matrix: Soil
Date Collected: 05.11.18 11.40

Date Received: 05.24.18 10.30

Analytical Method: Chloride by EPA 300
Tech: SCM
Analyst: SCM
Seq Number: 3051664

Date Prep: 05.25.18 16.30

Prep Method: E300P
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	361	4.96	mg/kg	05.25.18 21.04		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3051512

Date Prep: 05.24.18 17.00

Prep Method: TX1005P
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	05.25.18 16.58	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	05.25.18 16.58	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	05.25.18 16.58	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	05.25.18 16.58	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	99	%	70-135	05.25.18 16.58		
o-Terphenyl	84-15-1	101	%	70-135	05.25.18 16.58		



Certificate of Analytical Results 587065



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal #2

Sample Id: **SP-2 @4'**
Lab Sample Id: 587065-002

Matrix: Soil
Date Collected: 05.11.18 11.40

Date Received: 05.24.18 10.30

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3051559

Prep Method: SW5030B

% Moisture:

Date Prep: 05.25.18 12.30

Basis: Wet Weight

SUB: T104704219-17-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0194	0.0194	mg/kg	05.26.18 01.51	UK	1
Toluene	108-88-3	<0.0194	0.0194	mg/kg	05.26.18 01.51	UK	1
Ethylbenzene	100-41-4	<0.0194	0.0194	mg/kg	05.26.18 01.51	UK	1
m,p-Xylenes	179601-23-1	<0.0388	0.0388	mg/kg	05.26.18 01.51	UK	1
o-Xylene	95-47-6	<0.0194	0.0194	mg/kg	05.26.18 01.51	UK	1
Total Xylenes	1330-20-7	<0.0194	0.0194	mg/kg	05.26.18 01.51	UK	1
Total BTEX		<0.0194	0.0194	mg/kg	05.26.18 01.51	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	92	%	68-120	05.26.18 01.51		
a,a,a-Trifluorotoluene	98-08-8	91	%	71-121	05.26.18 01.51		



Certificate of Analytical Results 587065



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal #2

Sample Id: **SP-4 @2'**
Lab Sample Id: 587065-003

Matrix: Soil
Date Collected: 05.11.18 12.20

Date Received: 05.24.18 10.30

Analytical Method: Chloride by EPA 300
Tech: SCM
Analyst: SCM
Seq Number: 3051664

Date Prep: 05.25.18 16.30

Prep Method: E300P
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.00	5.00	mg/kg	05.25.18 20.58	U	1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3051512

Date Prep: 05.24.18 17.00

Prep Method: TX1005P
% Moisture:
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	05.25.18 17.16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	05.25.18 17.16	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	05.25.18 17.16	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	05.25.18 17.16	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	105	%	70-135	05.25.18 17.16		
o-Terphenyl	84-15-1	108	%	70-135	05.25.18 17.16		



Certificate of Analytical Results 587065



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal #2

Sample Id: **SP-4 @2'**
Lab Sample Id: 587065-003

Matrix: Soil
Date Collected: 05.11.18 12.20

Date Received: 05.24.18 10.30

Analytical Method: BTEX by EPA 8021B

Tech: MIT

Analyst: MIT

Seq Number: 3051559

Prep Method: SW5030B

% Moisture:

Date Prep: 05.25.18 12.30

Basis: Wet Weight

SUB: T104704219-17-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0197	0.0197	mg/kg	05.26.18 02.18	UK	1
Toluene	108-88-3	<0.0197	0.0197	mg/kg	05.26.18 02.18	UK	1
Ethylbenzene	100-41-4	<0.0197	0.0197	mg/kg	05.26.18 02.18	UK	1
m,p-Xylenes	179601-23-1	<0.0394	0.0394	mg/kg	05.26.18 02.18	UK	1
o-Xylene	95-47-6	<0.0197	0.0197	mg/kg	05.26.18 02.18	UK	1
Total Xylenes	1330-20-7	<0.0197	0.0197	mg/kg	05.26.18 02.18	UK	1
Total BTEX		<0.0197	0.0197	mg/kg	05.26.18 02.18	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	92	%	68-120	05.26.18 02.18		
a,a,a-Trifluorotoluene	98-08-8	92	%	71-121	05.26.18 02.18		



Certificate of Analytical Results 587065



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal #2

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

Matrix: Soil

Date Received: 05.24.18 10.30

Lab Sample Id: 587065-004

Date Collected: 05.11.18 12.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 05.25.18 16.30

Basis: Wet Weight

Seq Number: 3051664

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	18.3	5.00	mg/kg	05.25.18 21.22		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 05.24.18 17.00

Basis: Wet Weight

Seq Number: 3051512

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	05.25.18 17.34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	05.25.18 17.34	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	05.25.18 17.34	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	05.25.18 17.34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	05.25.18 17.34	
o-Terphenyl	84-15-1	102	%	70-135	05.25.18 17.34	



Certificate of Analytical Results 587065



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal #2

Sample Id: **SP-4 @3'**
Lab Sample Id: 587065-004

Matrix: Soil
Date Collected: 05.11.18 12.30

Date Received: 05.24.18 10.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: MIT

% Moisture:

Analyst: MIT

Date Prep: 05.25.18 12.30

Basis: Wet Weight

Seq Number: 3051559

SUB: T104704219-17-16

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.0197	0.0197	mg/kg	05.26.18 02.45	UK	1
Toluene	108-88-3	<0.0197	0.0197	mg/kg	05.26.18 02.45	UK	1
Ethylbenzene	100-41-4	<0.0197	0.0197	mg/kg	05.26.18 02.45	UK	1
m,p-Xylenes	179601-23-1	<0.0394	0.0394	mg/kg	05.26.18 02.45	UK	1
o-Xylene	95-47-6	<0.0197	0.0197	mg/kg	05.26.18 02.45	UK	1
Total Xylenes	1330-20-7	<0.0197	0.0197	mg/kg	05.26.18 02.45	UK	1
Total BTEX		<0.0197	0.0197	mg/kg	05.26.18 02.45	UK	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	91	%	68-120	05.26.18 02.45		
a,a,a-Trifluorotoluene	98-08-8	86	%	71-121	05.26.18 02.45		

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit

SDL Sample Detection Limit

LOD Limit of Detection

PQL Practical Quantitation Limit

MQL Method Quantitation Limit

LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample

BLK

Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample

BKSD/LCSD

Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate

MS

Matrix Spike

MSD: Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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

Trinity Oilfield Services & Rentals, LLC
Prize Federal #2

Analytical Method: Chloride by EPA 300

Seq Number: 3051664

MB Sample Id: 7655539-1-BLK

Matrix: Solid

LCS Sample Id: 7655539-1-BKS

Prep Method: E300P

Date Prep: 05.25.18

LCSD Sample Id: 7655539-1-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	237	95	233	93	90-110	2	20	mg/kg	05.25.18 19:29	

Analytical Method: Chloride by EPA 300

Seq Number: 3051664

Parent Sample Id: 587065-001

Matrix: Soil

MS Sample Id: 587065-001 S

Prep Method: E300P

Date Prep: 05.25.18

MSD Sample Id: 587065-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	699	249	893	78	927	92	90-110	4	20	mg/kg	05.25.18 19:47	X

Analytical Method: Chloride by EPA 300

Seq Number: 3051664

Parent Sample Id: 587065-002

Matrix: Soil

MS Sample Id: 587065-002 S

Prep Method: E300P

Date Prep: 05.25.18

MSD Sample Id: 587065-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	361	248	584	90	599	96	90-110	3	20	mg/kg	05.25.18 21:10	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3051512

MB Sample Id: 7655529-1-BLK

Matrix: Solid

LCS Sample Id: 7655529-1-BKS

Prep Method: TX1005P

Date Prep: 05.24.18

LCSD Sample Id: 7655529-1-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	901	90	937	94	70-135	4	20	mg/kg	05.25.18 14:12	
Diesel Range Organics (DRO)	<15.0	1000	994	99	1040	104	70-135	5	20	mg/kg	05.25.18 14:12	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	95		127		126		70-135	%	05.25.18 14:12
o-Terphenyl	101		110		113		70-135	%	05.25.18 14:12

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

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

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

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

Trinity Oilfield Services & Rentals, LLC
Prize Federal #2

Analytical Method: TPH By SW8015 Mod

Seq Number: 3051512

Parent Sample Id: 586096-017

Matrix: Soil

MS Sample Id: 586096-017 S

Prep Method: TX1005P

Date Prep: 05.24.18

MSD Sample Id: 586096-017 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	902	90	909	91	70-135	1	20	mg/kg	05.25.18 15:08	
Diesel Range Organics (DRO)	673	997	1690	102	1710	104	70-135	1	20	mg/kg	05.25.18 15:08	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	125		126		70-135	%	05.25.18 15:08
o-Terphenyl	129		128		70-135	%	05.25.18 15:08

Analytical Method: BTEX by EPA 8021B

Seq Number: 3051559

MB Sample Id: 7655481-1-BLK

Matrix: Solid

LCS Sample Id: 7655481-1-BKS

Prep Method: SW5030B

Date Prep: 05.25.18

LCSD Sample Id: 7655481-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.0200	2.00	1.55	78	1.63	82	55-120	5	20	mg/kg	05.25.18 21:19	
Toluene	<0.0200	2.00	1.53	77	1.57	79	77-120	3	20	mg/kg	05.25.18 21:19	
Ethylbenzene	<0.0200	2.00	1.57	79	1.61	81	77-120	3	20	mg/kg	05.25.18 21:19	
m,p-Xylenes	<0.0400	4.00	3.19	80	3.27	82	78-120	2	20	mg/kg	05.25.18 21:19	
o-Xylene	<0.0200	2.00	1.64	82	1.68	84	78-120	2	20	mg/kg	05.25.18 21:19	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	80		81		83		68-120	%	05.25.18 21:19
a,a,a-Trifluorotoluene	81		74		79		71-121	%	05.25.18 21:19

Analytical Method: BTEX by EPA 8021B

Seq Number: 3051559

Parent Sample Id: 587080-001

Matrix: Soil

MS Sample Id: 587080-001 S

Prep Method: SW5030B

Date Prep: 05.25.18

MSD Sample Id: 587080-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.0190	1.90	1.32	69	1.29	69	54-120	2	25	mg/kg	05.25.18 23:35	
Toluene	<0.0190	1.90	1.31	69	1.34	72	57-120	2	25	mg/kg	05.25.18 23:35	
Ethylbenzene	<0.0190	1.90	1.40	74	1.48	80	58-131	6	25	mg/kg	05.25.18 23:35	
m,p-Xylenes	<0.0380	3.80	2.84	75	3.02	81	62-124	6	25	mg/kg	05.25.18 23:35	
o-Xylene	<0.0190	1.90	1.47	77	1.53	82	62-124	4	25	mg/kg	05.25.18 23:35	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
4-Bromofluorobenzene	85		90		68-120	%	05.25.18 23:35
a,a,a-Trifluorotoluene	81		77		71-121	%	05.25.18 23:35

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



Inter-Office Shipment

Page 1 of 1

IOS Number **107768**

Date/Time: 05/24/18 11:02

Created by: Katie Lowe

Please send report to: Holly Taylor

Lab# From: **Midland**

Delivery Priority: Fedex

Address: 1211 W. Florida Ave, Midland TX 79701

Lab# To: **Lubbock**

Air Bill No.:

Phone:

E-Mail: holly.taylor@xenco.com

Sample Id	Matrix	Client Sample Id	Sample Collection	Method	Method Name	Lab Due	HT Due	PM	Analytes	Sign
587065-001	S	SP-2 @3'	05/11/18 11:30	SW8021B	BTEX by EPA 8021B	05/31/18	05/25/18	HTA	BR4FBZ BZ BZME EBZ X	
587065-002	S	SP-2 @4'	05/11/18 11:40	SW8021B	BTEX by EPA 8021B	05/31/18	05/25/18	HTA	BR4FBZ BZ BZME EBZ X	
587065-003	S	SP-4 @2'	05/11/18 12:20	SW8021B	BTEX by EPA 8021B	05/31/18	05/25/18	HTA	BR4FBZ BZ BZME EBZ X	
587065-004	S	SP-4 @3'	05/11/18 12:30	SW8021B	BTEX by EPA 8021B	05/31/18	05/25/18	HTA	BR4FBZ BZ BZME EBZ X	

Inter Office Shipment or Sample Comments:

Relinquished By

Katie Lowe

Date Relinquished: 05/24/2018

Received By:

Ashley Derstine

Date Received: 05/25/2018 10:00

Cooler Temperature: 1.2



XENCO Laboratories



Inter Office Report- Sample Receipt Checklist

Sent To: Lubbock

IOS #: 107768

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : IR3

Sent By: Katie Lowe

Date Sent: 05/24/2018 11:02 AM

Received By: Ashley Derstine

Date Received: 05/25/2018 10:00 AM

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	1.2
#2 *Shipping container in good condition?	Yes
#3 *Samples received with appropriate temperature?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	No
#5 *Custody Seals Signed and dated for Containers/coolers	No
#6 *IOS present?	No
#7 Any missing/extra samples?	No
#8 IOS agrees with sample label(s)/matrix?	Yes
#9 Sample matrix/ properties agree with IOS?	Yes
#10 Samples in proper container/ bottle?	Yes
#11 Samples properly preserved?	Yes
#12 Sample container(s) intact?	Yes
#13 Sufficient sample amount for indicated test(s)?	Yes
#14 All samples received within hold time?	Yes

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

NonConformance:

Corrective Action Taken:

Nonconformance Documentation

Contact: _____ Contacted by : _____ Date: _____

Checklist reviewed by:

Ashley Derstine

Date: 05/30/2018



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 05/24/2018 10:30:00 AM

Work Order #: 587065

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	1.8
#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)?	Yes
#18 Water VOC samples have zero headspace?	N/A

BTEX/TPH received with 25 hr of
Hold Time remaining.
Lubbock

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Katie Lowe

Date: 05/24/2018

Checklist reviewed by:

Holly Taylor

Date: 05/24/2018



Certificate of Analysis Summary 588904

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Prize Federal #2



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs, NM

Date Received in Lab: Tue Jun-12-18 10:45 am

Report Date: 19-JUN-18

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	588904-001	588904-002				
	Field Id:	SP-1 @3'	SP-5 @2'				
	Depth:						
	Matrix:	SOIL	SOIL				
	Sampled:	Jun-07-18 12:30	Jun-07-18 12:50				
BTEX by EPA 8021B	Extracted:	Jun-16-18 08:30	Jun-18-18 08:00				
	Analyzed:	Jun-17-18 02:22	Jun-18-18 10:57				
	Units/RL:	mg/kg RL	mg/kg RL				
	Benzene	<0.00200 0.00200	<0.00199 0.00199				
	Toluene	<0.00200 0.00200	<0.00199 0.00199				
Ethylbenzene		<0.00200 0.00200	<0.00199 0.00199				
m,p-Xylenes		<0.00401 0.00401	<0.00398 0.00398				
o-Xylene		<0.00200 0.00200	<0.00199 0.00199				
Total Xylenes		<0.00200 0.00200	<0.00199 0.00199				
Total BTEX		<0.00200 0.00200	<0.00199 0.00199				
Chloride by EPA 300	Extracted:	Jun-12-18 16:30	Jun-12-18 16:30				
	Analyzed:	Jun-12-18 21:02	Jun-12-18 21:07				
	Units/RL:	mg/kg RL	mg/kg RL				
	Chloride	<4.98 4.98	<4.94 4.94				
TPH By SW8015 Mod	Extracted:	Jun-15-18 14:00	Jun-15-18 14:00				
	Analyzed:	Jun-16-18 04:12	Jun-16-18 04:33				
	Units/RL:	mg/kg RL	mg/kg RL				
	Gasoline Range Hydrocarbons (GRO)	<15.0 15.0	<15.0 15.0				
	Diesel Range Organics (DRO)	<15.0 15.0	38.8 15.0				
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0				
Total TPH		<15.0 15.0	38.8 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

Brandi Ritcherson
Project Manager

Analytical Report 588904
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Prize Federal #2

19-JUN-18

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-26), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-17-16), 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 (T104704400-18-15)
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)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429)
Xenco-Lakeland: Florida (E84098)



19-JUN-18

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

Reference: XENCO Report No(s): **588904**
Prize Federal #2
Project Address: Hobbs, 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) 588904. 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. 588904 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,

Brandi Ritcherson

Project Manager

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

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

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



Sample Cross Reference 588904



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal #2

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1 @3'	S	06-07-18 12:30		588904-001
SP-5 @2'	S	06-07-18 12:50		588904-002



CASE NARRATIVE

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

Project Name: *Prize Federal #2*

Project ID:

Work Order Number(s): 588904

Report Date: 19-JUN-18

Date Received: 06/12/2018

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3053744 BTEX by EPA 8021B

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

Batch: LBA-3053754 BTEX by EPA 8021B

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



Certificate of Analytical Results 588904



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal #2

Sample Id: **SP-1 @3'**
Lab Sample Id: 588904-001

Matrix: Soil
Date Collected: 06.07.18 12.30

Date Received: 06.12.18 10.45

Analytical Method: Chloride by EPA 300
Tech: SCM
Analyst: SCM
Seq Number: 3053247

Prep Method: E300P
% Moisture:
Date Prep: 06.12.18 16.30
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.98	4.98	mg/kg	06.12.18 21.02	U	1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3053879

Prep Method: TX1005P
% Moisture:
Date Prep: 06.15.18 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	06.16.18 04.12	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.16.18 04.12	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.16.18 04.12	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.16.18 04.12	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	76	%	70-135	06.16.18 04.12		
o-Terphenyl	84-15-1	77	%	70-135	06.16.18 04.12		



Certificate of Analytical Results 588904



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal #2

Sample Id: **SP-1 @3'**
Lab Sample Id: 588904-001

Matrix: Soil
Date Collected: 06.07.18 12.30

Date Received: 06.12.18 10.45

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.16.18 08.30

Basis: Wet Weight

Seq Number: 3053744

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	06.17.18 02.22	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	06.17.18 02.22	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	06.17.18 02.22	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	06.17.18 02.22	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	06.17.18 02.22	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	06.17.18 02.22	U	1
Total BTEX		<0.00200	0.00200	mg/kg	06.17.18 02.22	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	93	%	70-130	06.17.18 02.22		
4-Bromofluorobenzene	460-00-4	101	%	70-130	06.17.18 02.22		



Certificate of Analytical Results 588904



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal #2

Sample Id: **SP-5 @2'**
Lab Sample Id: 588904-002

Matrix: Soil
Date Collected: 06.07.18 12.50

Date Received: 06.12.18 10.45

Analytical Method: Chloride by EPA 300
Tech: SCM
Analyst: SCM
Seq Number: 3053247

Prep Method: E300P
% Moisture:
Date Prep: 06.12.18 16.30
Basis: Wet Weight

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.94	4.94	mg/kg	06.12.18 21.07	U	1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3053879

Prep Method: TX1005P
% Moisture:
Date Prep: 06.15.18 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	06.16.18 04.33	U	1
Diesel Range Organics (DRO)	C10C28DRO	38.8	15.0	mg/kg	06.16.18 04.33		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.16.18 04.33	U	1
Total TPH	PHC635	38.8	15.0	mg/kg	06.16.18 04.33		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	81	%	70-135	06.16.18 04.33		
o-Terphenyl	84-15-1	83	%	70-135	06.16.18 04.33		



Certificate of Analytical Results 588904



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Prize Federal #2

Sample Id: **SP-5 @2'**
Lab Sample Id: 588904-002

Matrix: Soil
Date Collected: 06.07.18 12.50

Date Received: 06.12.18 10.45

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.18.18 08.00

Basis: Wet Weight

Seq Number: 3053754

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.18.18 10.57	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.18.18 10.57	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.18.18 10.57	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.18.18 10.57	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.18.18 10.57	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.18.18 10.57	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.18.18 10.57	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	109	%	70-130	06.18.18 10.57		
1,4-Difluorobenzene	540-36-3	100	%	70-130	06.18.18 10.57		

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit

SDL Sample Detection Limit

LOD Limit of Detection

PQL Practical Quantitation Limit

MQL Method Quantitation Limit

LOQ Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample

BLK

Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample

BKSD/LCSD

Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate

MS

Matrix Spike

MSD: Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

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



Trinity Oilfield Services & Rentals, LLC

Prize Federal #2

Analytical Method: Chloride by EPA 300

Seq Number: 3053247

MB Sample Id: 7656542-1-BLK

Matrix: Solid

LCS Sample Id: 7656542-1-BKS

Prep Method: E300P

Date Prep: 06.12.18

LCSD Sample Id: 7656542-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	254	102	254	102	90-110	0	20	mg/kg	06.12.18 18:36	

Analytical Method: Chloride by EPA 300

Seq Number: 3053247

Parent Sample Id: 588903-001

Matrix: Soil

MS Sample Id: 588903-001 S

Prep Method: E300P

Date Prep: 06.12.18

MSD Sample Id: 588903-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	8.47	246	254	100	254	100	90-110	0	20	mg/kg	06.12.18 18:52	

Analytical Method: Chloride by EPA 300

Seq Number: 3053247

Parent Sample Id: 588903-002

Matrix: Soil

MS Sample Id: 588903-002 S

Prep Method: E300P

Date Prep: 06.12.18

MSD Sample Id: 588903-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	5.27	248	260	103	260	103	90-110	0	20	mg/kg	06.12.18 20:08	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3053879

MB Sample Id: 7656841-1-BLK

Matrix: Solid

LCS Sample Id: 7656841-1-BKS

Prep Method: TX1005P

Date Prep: 06.15.18

LCSD Sample Id: 7656841-1-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	810	81	832	83	70-135	3	20	mg/kg	06.15.18 22:50	
Diesel Range Organics (DRO)	<15.0	1000	853	85	841	84	70-135	1	20	mg/kg	06.15.18 22:50	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	82		99		97		70-135	%	06.15.18 22:50
o-Terphenyl	85		89		90		70-135	%	06.15.18 22:50

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

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

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

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



Trinity Oilfield Services & Rentals, LLC

Prize Federal #2

Analytical Method: TPH By SW8015 Mod

Seq Number: 3053879

Parent Sample Id: 588924-001

Matrix: Soil

MS Sample Id: 588924-001 S

Prep Method: TX1005P

Date Prep: 06.15.18

MSD Sample Id: 588924-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	998	794	80	790	79	70-135	1	20	mg/kg	06.15.18 23:50	
Diesel Range Organics (DRO)	<15.0	998	792	79	790	79	70-135	0	20	mg/kg	06.15.18 23:50	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	96		95		70-135	%	06.15.18 23:50
o-Terphenyl	84		84		70-135	%	06.15.18 23:50

Analytical Method: BTEX by EPA 8021B

Seq Number: 3053744

MB Sample Id: 7656828-1-BLK

Matrix: Solid

LCS Sample Id: 7656828-1-BKS

Prep Method: SW5030B

Date Prep: 06.16.18

LCSD Sample Id: 7656828-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.0818	82	0.0948	94	70-130	15	35	mg/kg	06.16.18 23:39	
Toluene	<0.00201	0.100	0.0860	86	0.0968	96	70-130	12	35	mg/kg	06.16.18 23:39	
Ethylbenzene	<0.00201	0.100	0.0853	85	0.0974	96	70-130	13	35	mg/kg	06.16.18 23:39	
m,p-Xylenes	<0.00402	0.201	0.176	88	0.200	99	70-130	13	35	mg/kg	06.16.18 23:39	
o-Xylene	<0.00201	0.100	0.0827	83	0.0950	94	70-130	14	35	mg/kg	06.16.18 23:39	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	90		89		104		70-130	%	06.16.18 23:39
4-Bromofluorobenzene	96		92		103		70-130	%	06.16.18 23:39

Analytical Method: BTEX by EPA 8021B

Seq Number: 3053754

MB Sample Id: 7656840-1-BLK

Matrix: Solid

LCS Sample Id: 7656840-1-BKS

Prep Method: SW5030B

Date Prep: 06.18.18

LCSD Sample Id: 7656840-1-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	0.106	106	0.0956	96	70-130	10	35	mg/kg	06.18.18 07:53	
Toluene	<0.00200	0.100	0.112	112	0.0994	100	70-130	12	35	mg/kg	06.18.18 07:53	
Ethylbenzene	<0.00200	0.100	0.112	112	0.0982	99	70-130	13	35	mg/kg	06.18.18 07:53	
m,p-Xylenes	<0.00401	0.200	0.233	117	0.206	104	70-130	12	35	mg/kg	06.18.18 07:53	
o-Xylene	<0.00200	0.100	0.110	110	0.0957	96	70-130	14	35	mg/kg	06.18.18 07:53	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		102		103		70-130	%	06.18.18 07:53
4-Bromofluorobenzene	86		102		96		70-130	%	06.18.18 07:53

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

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

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

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

Trinity Oilfield Services & Rentals, LLC
Prize Federal #2

Analytical Method: BTEX by EPA 8021B

Seq Number: 3053744

Parent Sample Id: 588902-003

Matrix: Soil

MS Sample Id: 588902-003 S

Prep Method: SW5030B

Date Prep: 06.16.18

MSD Sample Id: 588902-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0990	0.0797	81	0.0196	19	70-130	121	35	mg/kg	06.17.18 00:15	XF
Toluene	<0.00198	0.0990	0.0465	47	0.00325	3	70-130	174	35	mg/kg	06.17.18 00:15	XF
Ethylbenzene	0.0360	0.0990	0.0870	52	0.0469	11	70-130	60	35	mg/kg	06.17.18 00:15	XF
m,p-Xylenes	0.0427	0.198	0.189	74	0.0540	6	70-130	111	35	mg/kg	06.17.18 00:15	XF
o-Xylene	0.147	0.0990	0.0675	0	0.192	45	70-130	96	35	mg/kg	06.17.18 00:15	XF

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	116		101		70-130	%	06.17.18 00:15
4-Bromofluorobenzene	76		128		70-130	%	06.17.18 00:15

Analytical Method: BTEX by EPA 8021B

Seq Number: 3053754

Parent Sample Id: 588895-001

Matrix: Soil

MS Sample Id: 588895-001 S

Prep Method: SW5030B

Date Prep: 06.18.18

MSD Sample Id: 588895-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0732	73	0.0744	75	70-130	2	35	mg/kg	06.18.18 08:51	
Toluene	<0.00200	0.100	0.0767	77	0.0762	76	70-130	1	35	mg/kg	06.18.18 08:51	
Ethylbenzene	<0.00200	0.100	0.0763	76	0.0731	73	70-130	4	35	mg/kg	06.18.18 08:51	
m,p-Xylenes	<0.00401	0.200	0.159	80	0.152	76	70-130	5	35	mg/kg	06.18.18 08:51	
o-Xylene	<0.00200	0.100	0.0760	76	0.0712	71	70-130	7	35	mg/kg	06.18.18 08:51	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	90		109		70-130	%	06.18.18 08:51
4-Bromofluorobenzene	91		120		70-130	%	06.18.18 08:51

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

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

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

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



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
radio-c

Page 1 of 1

LAB W.O #:

588904

Field billable Hrs :

* Container Type Codes

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

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

** Preservative Type Codes

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

^ Matrix Type Codes

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

REMARKS

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:	Prize Federal #2	PO#:	
Invoice To:	Oxy - Wade Dittrich (575)390-2828	Quote #:	

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

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field Filtered	Integrity OK (Y/N)	Total # of containers	Example Volatiles by 8260	TPH	BTEX	Chloride	Hold Sample (CALL on Highest TPH)	Run PAH Only if
								# Cont					
1	SP-1 @ 3'	6/7/18	1230	S			1		X	X	X		
2	SP-5 @ 2'	6/7/18	1250	S			1		X	X	X		
3													
4													
5													
6													
7													
8													
9													
0													

Reg. Program / Clean-up Std	STATE for Certs & Regs	QA/QC Level & Certification	EDDs	COC & Labels	Coolers Temp °C	Lab Use Only	YES NO N/A
CTLs TRRP DW NPDES LPST DryCln Other:	FL TX GA NC SC NJ PA OK LA AL NM Other:	1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:	ADaPT SEDD ERPIMS XLS Other:	Match Incomplete Absent Unclear	1-6.9 2.0 3 0.00	Non-Conformances found? Samples intact upon arrival? Received on Wet Ice? Labeled with proper preservatives? Received within holding time? Custody seals intact? VOCs rec'd w/o headspace? Proper containers used? pH verified-acceptable, excl VOCs? Received on time to meet HTs?	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____
Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1	Brittany Cox	6/11/18	16:20	Brittany Cox	Xenco	6/11/18	4:18
2	Brittany Cox	6/11/18	4:30	Xenco	Xenco	6/12/18	10:45
3							
4							

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

C.O.C. Serial #



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 06/12/2018 10:45:00 AM

Work Order #: 588904

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

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Katie Lowe

Date: 06/12/2018

Checklist reviewed by:

Holly Taylor

Date: 06/12/2018