

From: Ben J. Arguijo
To: [Tucker, Shelly](#); [Yu, Olivia, EMNRD](#); [Hernandez, Christina, EMNRD](#)
Cc: [Wade Dittrich](#); [Duskie Bennett](#); [Todd Roberson](#)
Subject: Re: [EXTERNAL] RE: Backfill Request - Red Tank 24 Federal 1 & 2 CTB (1RP-4762)
Date: Wednesday, June 20, 2018 10:30:17 AM
Attachments: RedTank24_SampleLocationMap.pdf
RedTank_SoilChemistryTable.pdf
Rpt_WO_588902_ver_1_000.pdf

All,

Additional sampling of the excavation was conducted as requested, and laboratory analytical results indicate that concentrations of TPH, BTEX, and chloride are below the recommended remediation action levels approved for the site by the NMOCD. Based on these analytical results, Trinity plans to commence backfilling the excavation forthwith (i.e., the end of this week or the beginning of next week). Prior to backfilling, the west wall of the area represented by Floor 2 will be advanced approximately 5 feet to the area represented by soil sample West Wall #2, as depicted in the attached "Sample Location Map".

The lab report and updated soil chemistry data table are also attached.

Thank you.

Respectfully,
Ben J. Arguijo

Ben J. Arguijo
Environmental Project Manager
Trinity Oilfield Services
P.O. Box 2587
Hobbs, NM 88241
(575)390-7208
ben@trinityoilfieldservices.com

On Fri, Jun 8, 2018 at 1:05 PM, Tucker, Shelly <stucker@blm.gov> wrote:
BLM concurs with NMOCD approval and stipulations.

NOTE: LPC Timing Stipulations are in effect - from March 1st through June 15th. Please plan remedial activities accordingly. Check for African Rue...treat (before it gets out of control).

If you have any questions or concerns, please do not hesitate to contact me.

Sincerely,

Shelly J Tucker

Environmental Protection Specialist
O&G Spill/Release Coordinator

575.234.5905 - Direct
575.361.0084 - Cellular
575.234.6235 - Emergency Spill Number

stucker@blm.gov

Bureau of Land Management

[620 E. Greene St](#)
[Carlsbad, NM 88220](#)

The **BLM acceptance/approval does not** relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment or if the location fails to reclaim properly. **In such an event a site does not achieve successful restoration, or future issues with contaminants are encountered, the operator will be asked to address these issues until they are fully mitigated and the location is successfully reclaimed.** In addition, BLM approval does not relieve the operator of responsibility for compliance with any other federal, state or local laws/regulations.

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On Tue, Jun 5, 2018 at 3:14 PM, Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us> wrote:

Mr. Arguijo:

Yes, please. NMOCD grants backfill approval for 1RP-4762 with the condition of 3 additional confirmation samples for laboratory analyses: West sidewall; East & West sidewalls of the area represented by Floor 2 (i.e., between 1 ft. and 4 ft. excavated areas). Please provide field data if available.

Like approval from BLM required.

Please note that there is an additional Environmental Specialist in District 1. Please include Christina Hernandez in communications and report submittals.

Thanks,

Olivia

From: Ben J. Arguijo <ben@trinityoilfieldservices.com>
Sent: Tuesday, June 5, 2018 2:50 PM
To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>
Cc: Tucker, Shelly <stucker@blm.gov>; Wade Dittrich <wade_dittrich@oxy.com>;
Duskie Bennett <duskie@trinityoilfieldservices.com>; Todd Roberson
<todd@trinityoilfieldservices.com>
Subject: Re: Backfill Request - Red Tank 24 Federal 1 & 2 CTB (1RP-4762)

Olivia,

Sorry for the delay in response. We have a chloride field test from the west wall with a concentration of 332 mg/kg, and olfactory/visual senses indicated that TPH and BTEX were below the RRALs. Do we need to submit a sample for analysis?

Ben

Ben J. Arguijo

Environmental Project Manager

Trinity Oilfield Services

P.O. Box 2587

Hobbs, NM 88241

(575)390-7208

ben@trinityoilfieldservices.com

On Mon, May 14, 2018 at 11:30 AM, Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us> wrote:

Mr. Arguijo:

In reviewing the sample map for 1RP-4762, there was no location indicated for the West wall, West of SP-2. Was one taken for laboratory analyses? If not, are there field data to verify that the indicated outline was the western edge of the release area?

Thanks,

Olivia

From: Ben J. Arguijo <ben@trinityoilfieldservices.com>

Sent: Monday, May 14, 2018 9:23 AM

To: Yu, Olivia, EMNRD <Olivia.Yu@state.nm.us>; Tucker, Shelly <stucker@blm.gov>

Cc: Wade Dittrich <wade_dittrich@oxy.com>; Duskie Bennett

<duskie@trinityoilfieldservices.com>; Todd Roberson <todd@trinityoilfieldservices.com>

Subject: Backfill Request - Red Tank 24 Federal 1 & 2 CTB (1RP-4762)

Olivia/Shelly,

Attached please find the "Environmental Site Summary & Backfill Request" for the Red Tank 24 Federal 1 & 2 CTB release site (1RP-4762).

If you have any questions, please do not hesitate to contact me.

Respectfully,

Ben J. Arguijo

Ben J. Arguijo

Environmental Project Manager

Trinity Oilfield Services

P.O. Box 2587

Hobbs, NM 88241

(575)390-7208

ben@trinityoilfieldservices.com



Legend	
 Excavation: 1' bgs	 Auger Hole
 Excavation: 4' bgs	 Sample Location
 Delineation Trench	 Excavated Sample
 Proposed Excavation: 4' bgs	

Figure 2
Sample Location Map
OXY USA, Inc.
Red Tank 24 Federal 1 & 2 CTB
Lea County, New Mexico
NMOCD Reference #: 1RP-4762



TRINITY
OILFIELD SERVICES

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

Drawn By: BJA June 20, 2018	Checked By: DLB Scale: 1" = 15'
--------------------------------	------------------------------------

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

OXY USA, INC.
RED TANK 24 FEDERAL 1 & 2 CTB
LEA COUNTY, NEW MEXICO
NMOCD REF. #: 1RP-4762



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	1,000
SP-1 @ 0.5'	0.5'	7/20/2017	Excavated	-	-	-	-	-	-	-	2,340	6,450	<74.9	8,790	3,100
SP-1 @ 1'	1'	7/20/2017	In-Situ	<0.0020	0.0481	0.120	0.406	0.142	0.548	0.716	75.0	360	<15.0	435	756
SP-1 @ 1.5'	1.5'	7/20/2017	In-Situ	<0.0020	<0.0020	<0.0020	0.0067	0.0030	0.0097	0.0097	<15.0	16.3	<15.0	16.3	99.2
SP-2 @ 0.5'	0.5'	7/20/2017	Excavated	-	-	-	-	-	-	-	2,490	6,870	<74.8	9,360	1,580
SP-2 @ 1'	1'	7/20/2017	In-Situ	<0.0020	<0.0020	0.00708	0.0331	0.0132	0.0463	0.0534	19.2	250	<14.9	269	52.8
SP-2 @ 1.5'	1.5'	7/20/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	90.6	<15.0	90.6	<4.96
North Wall #1	1'	10/5/2017	Excavated	-	-	-	-	-	-	-	565	5,180	569	6,310	240
North Wall #2	1'	10/5/2017	Excavated	-	-	-	-	-	-	-	942	4,950	612	6,500	68.3
South Wall #1	1'	10/5/2017	In-Situ	<0.0020	<0.0020	<0.0020	0.0049	0.0154	0.0203	0.0203	<15.0	30.9	<15.0	30.9	11.2
South Wall #2	1'	10/5/2017	In-Situ	<0.0020	0.0255	0.0379	0.102	0.0299	0.132	0.195	39.1	725	92.7	857	127
East Wall #1	1'	10/5/2017	Excavated	-	-	-	-	-	-	-	1,440	6,960	881	9,280	25.1
Floor #1	1'	10/5/2017	In-Situ	<0.0671	0.341	0.958	3.31	1.91	5.22	6.52	165	1,670	223	2,060	155
Floor #2	1'	10/5/2017	Excavated	-	-	-	-	-	-	-	1,530	6,240	759	8,530	20.9
Floor #3	1'	10/5/2017	In-Situ	<0.0036	<0.0036	<0.0036	<0.0073	<0.0036	<0.0036	<0.0036	<15.0	25.0	<15.0	25.0	254
North Wall #1b	1'	10/26/2017	In-Situ	<0.0034	<0.0034	<0.0034	<0.0068	<0.0034	<0.0034	<0.0034	<15.0	<15.0	<15.0	<15.0	120
North Wall #2b	1'	10/26/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	15.8	<15.0	15.8	19.8
East Wall #1b	1'	10/26/2017	In-Situ	<0.0035	<0.0035	<0.0035	<0.0071	<0.0035	<0.0035	<0.0035	<15.0	19.5	<15.0	19.5	14.6
Floor #2 @ 3'	3'	10/26/2017	Excavated	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	154	16.3	170	2,150
Floor #2 @ 4'	4'	11/14/2017	In-Situ	<0.0034	<0.0034	<0.0034	<0.0067	<0.0034	<0.0034	<0.0034	<15.0	<15.0	<15.0	<15.0	739
Floor #2 @ 6'	6'	12/29/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	16.2	120	<15.0	136	391
North Wall #3	2.5'	4/18/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	12.2
West Wall #1	1'	6/4/2018	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	267
East Wall #2	2.5'	6/7/2018	In-Situ	<0.0020	<0.0020	0.0069	0.0213	0.0162	0.0375	0.0444	134	4,470	132	4,740	689
West Wall #2	2.5'	6/7/2018	In-Situ	<0.0020	<0.0020	0.0360	0.0427	0.147	0.190	0.226	461	3,860	<74.8	4,320	382

NE = Not established

- = Not analyzed

Concentrations in BOLD exceed NMOCD RRALs



Certificate of Analysis Summary 588902

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Red Tank 24 Fed. 1&2 CTB



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:	588902-001	588902-002	588902-003			
	Field Id:	W. Wall #1	E. Wall #2	W. Wall #2			
	Depth:						
	Matrix:	SOIL	SOIL	SOIL			
	Sampled:	Jun-04-18 14:35	Jun-07-18 11:00	Jun-07-18 11:30			
BTEX by EPA 8021B	Extracted:	Jun-15-18 08:00	Jun-18-18 08:00	Jun-16-18 08:30			
	Analyzed:	Jun-15-18 14:30	Jun-18-18 11:33	Jun-17-18 01:28			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		<0.00199 0.00199	<0.00201 0.00201	<0.00202 0.00202			
Toluene		<0.00199 0.00199	<0.00201 0.00201	<0.00202 0.00202			
Ethylbenzene		<0.00199 0.00199	0.00691 0.00201	0.0360 0.00202			
m,p-Xylenes		<0.00398 0.00398	0.0213 0.00402	0.0427 0.00403			
o-Xylene		<0.00199 0.00199	0.0162 0.00201	0.147 0.00202			
Total Xylenes		<0.00199 0.00199	0.0375 0.00201	0.190 0.00202			
Total BTEX		<0.00199 0.00199	0.0444 0.00201	0.226 0.00202			
Chloride by EPA 300	Extracted:	Jun-15-18 10:30	Jun-15-18 10:30	Jun-15-18 10:30			
	Analyzed:	Jun-15-18 13:47	Jun-15-18 13:52	Jun-15-18 13:57			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		267 4.98	689 4.93	382 4.96			
TPH By SW8015 Mod	Extracted:	Jun-15-18 14:00	Jun-15-18 14:00	Jun-15-18 14:00			
	Analyzed:	Jun-16-18 01:51	Jun-16-18 02:12	Jun-16-18 02:32			
	Units/RL:	mg/kg RL	mg/kg RL	mg/kg RL			
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	134 74.9	461 74.8			
Diesel Range Organics (DRO)		<15.0 15.0	4470 74.9	3860 74.8			
Oil Range Hydrocarbons (ORO)		<15.0 15.0	132 74.9	<74.8 74.8			
Total TPH		<15.0 15.0	4740 74.9	4320 74.8			

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 588902
for
Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Red Tank 24 Fed. 1&2 CTB

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): **588902**
Red Tank 24 Fed. 1&2 CTB
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) 588902. 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. 588902 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.

Certified and approved by numerous States and Agencies.

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

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Sample Cross Reference 588902



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 24 Fed. 1&2 CTB

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
W. Wall #1	S	06-04-18 14:35		588902-001
E. Wall #2	S	06-07-18 11:00		588902-002
W. Wall #2	S	06-07-18 11:30		588902-003



CASE NARRATIVE

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

Project Name: *Red Tank 24 Fed. 1&2 CTB*

Project ID:
Work Order Number(s): 588902

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-3053699 BTEX by EPA 8021B

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

Batch: LBA-3053744 BTEX by EPA 8021B

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

Samples in the analytical batch are: 588902-003

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

Lab Sample ID 588902-003 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD).

Ethylbenzene, Toluene, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Benzene, m,p-Xylenes recovered below QC limits in the Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 588902-003.

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

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 588902



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 24 Fed. 1&2 CTB

Sample Id: **W. Wall #1**

Matrix: Soil

Date Received: 06.12.18 10.45

Lab Sample Id: 588902-001

Date Collected: 06.04.18 14.35

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.15.18 10.30

Basis: Wet Weight

Seq Number: 3053705

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	267	4.98	mg/kg	06.15.18 13.47		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.15.18 14.00

Basis: Wet Weight

Seq Number: 3053879

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	06.16.18 01.51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	06.16.18 01.51	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	06.16.18 01.51	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	06.16.18 01.51	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	79	%	70-135	06.16.18 01.51		
o-Terphenyl	84-15-1	81	%	70-135	06.16.18 01.51		



Certificate of Analytical Results 588902



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 24 Fed. 1&2 CTB

Sample Id: **W. Wall #1**

Matrix: Soil

Date Received: 06.12.18 10.45

Lab Sample Id: 588902-001

Date Collected: 06.04.18 14.35

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 06.15.18 08.00

Basis: Wet Weight

Seq Number: 3053699

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	06.15.18 14.30	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	06.15.18 14.30	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	06.15.18 14.30	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	06.15.18 14.30	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	06.15.18 14.30	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	06.15.18 14.30	U	1
Total BTEX		<0.00199	0.00199	mg/kg	06.15.18 14.30	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	107	%	70-130	06.15.18 14.30		
1,4-Difluorobenzene	540-36-3	95	%	70-130	06.15.18 14.30		



Certificate of Analytical Results 588902



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 24 Fed. 1&2 CTB

Sample Id: E. Wall #2

Matrix: Soil

Date Received: 06.12.18 10.45

Lab Sample Id: 588902-002

Date Collected: 06.07.18 11.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.15.18 10.30

Basis: Wet Weight

Seq Number: 3053705

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	689	4.93	mg/kg	06.15.18 13.52		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.15.18 14.00

Basis: Wet Weight

Seq Number: 3053879

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	134	74.9	mg/kg	06.16.18 02.12		5
Diesel Range Organics (DRO)	C10C28DRO	4470	74.9	mg/kg	06.16.18 02.12		5
Oil Range Hydrocarbons (ORO)	PHCG2835	132	74.9	mg/kg	06.16.18 02.12		5
Total TPH	PHC635	4740	74.9	mg/kg	06.16.18 02.12		5

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	06.16.18 02.12	
o-Terphenyl	84-15-1	83	%	70-135	06.16.18 02.12	



Certificate of Analytical Results 588902



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 24 Fed. 1&2 CTB

Sample Id: E. Wall #2

Matrix: Soil

Date Received: 06.12.18 10.45

Lab Sample Id: 588902-002

Date Collected: 06.07.18 11.00

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	<0.00201	0.00201	mg/kg	06.18.18 11.33	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	06.18.18 11.33	U	1
Ethylbenzene	100-41-4	0.00691	0.00201	mg/kg	06.18.18 11.33		1
m,p-Xylenes	179601-23-1	0.0213	0.00402	mg/kg	06.18.18 11.33		1
o-Xylene	95-47-6	0.0162	0.00201	mg/kg	06.18.18 11.33		1
Total Xylenes	1330-20-7	0.0375	0.00201	mg/kg	06.18.18 11.33		1
Total BTEX		0.0444	0.00201	mg/kg	06.18.18 11.33		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	130		%	70-130	06.18.18 11.33	
4-Bromofluorobenzene	460-00-4	125		%	70-130	06.18.18 11.33	



Certificate of Analytical Results 588902



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 24 Fed. 1&2 CTB

Sample Id: **W. Wall #2**

Matrix: Soil

Date Received: 06.12.18 10.45

Lab Sample Id: 588902-003

Date Collected: 06.07.18 11.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 06.15.18 10.30

Basis: Wet Weight

Seq Number: 3053705

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	382	4.96	mg/kg	06.15.18 13.57		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 06.15.18 14.00

Basis: Wet Weight

Seq Number: 3053879

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	461	74.8	mg/kg	06.16.18 02.32		5
Diesel Range Organics (DRO)	C10C28DRO	3860	74.8	mg/kg	06.16.18 02.32		5
Oil Range Hydrocarbons (ORO)	PHCG2835	<74.8	74.8	mg/kg	06.16.18 02.32	U	5
Total TPH	PHC635	4320	74.8	mg/kg	06.16.18 02.32		5
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	100	%	70-135	06.16.18 02.32		
o-Terphenyl	84-15-1	129	%	70-135	06.16.18 02.32		



Certificate of Analytical Results 588902



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 24 Fed. 1&2 CTB

Sample Id: **W. Wall #2**

Matrix: Soil

Date Received: 06.12.18 10.45

Lab Sample Id: 588902-003

Date Collected: 06.07.18 11.30

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	<0.00202	0.00202	mg/kg	06.17.18 01.28	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	06.17.18 01.28	U	1
Ethylbenzene	100-41-4	0.0360	0.00202	mg/kg	06.17.18 01.28		1
m,p-Xylenes	179601-23-1	0.0427	0.00403	mg/kg	06.17.18 01.28		1
o-Xylene	95-47-6	0.147	0.00202	mg/kg	06.17.18 01.28		1
Total Xylenes	1330-20-7	0.190	0.00202	mg/kg	06.17.18 01.28		1
Total BTEX		0.226	0.00202	mg/kg	06.17.18 01.28		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	125		%	70-130	06.17.18 01.28	
1,4-Difluorobenzene	540-36-3	103		%	70-130	06.17.18 01.28	

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

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

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

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

DL Method Detection Limit

NC Non-Calculable

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
Red Tank 24 Fed. 1&2 CTB

Analytical Method: Chloride by EPA 300

Seq Number: 3053705

MB Sample Id: 7656729-1-BLK

Matrix: Solid

LCS Sample Id: 7656729-1-BKS

Prep Method: E300P

Date Prep: 06.15.18

LCSD Sample Id: 7656729-1-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	253	101	90-110	0	20	mg/kg	06.15.18 12:36	

Analytical Method: Chloride by EPA 300

Seq Number: 3053705

Parent Sample Id: 588900-002

Matrix: Soil

MS Sample Id: 588900-002 S

Prep Method: E300P

Date Prep: 06.15.18

MSD Sample Id: 588900-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	400	245	628	93	628	93	90-110	0	20	mg/kg	06.15.18 12:53	

Analytical Method: Chloride by EPA 300

Seq Number: 3053705

Parent Sample Id: 588983-001

Matrix: Soil

MS Sample Id: 588983-001 S

Prep Method: E300P

Date Prep: 06.15.18

MSD Sample Id: 588983-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	398	246	620	90	619	90	90-110	0	20	mg/kg	06.15.18 14:08	

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

Trinity Oilfield Services & Rentals, LLC
Red Tank 24 Fed. 1&2 CTB

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: 3053699

MB Sample Id: 7656796-1-BLK

Matrix: Solid

LCS Sample Id: 7656796-1-BKS

Prep Method: SW5030B

Date Prep: 06.15.18

LCSD Sample Id: 7656796-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.0915	91	0.0882	88	70-130	4	35	mg/kg	06.15.18 07:31	
Toluene	<0.00201	0.101	0.0993	98	0.0953	95	70-130	4	35	mg/kg	06.15.18 07:31	
Ethylbenzene	<0.00201	0.101	0.0984	97	0.0935	94	70-130	5	35	mg/kg	06.15.18 07:31	
m,p-Xylenes	<0.00402	0.201	0.206	102	0.196	98	70-130	5	35	mg/kg	06.15.18 07:31	
o-Xylene	<0.00201	0.101	0.0946	94	0.0924	92	70-130	2	35	mg/kg	06.15.18 07:31	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	106		93		100		70-130	%	06.15.18 07:31
4-Bromofluorobenzene	106		101		98		70-130	%	06.15.18 07:31

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

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

Trinity Oilfield Services & Rentals, LLC
Red Tank 24 Fed. 1&2 CTB

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

Analytical Method: BTEX by EPA 8021B

Seq Number: 3053699

Parent Sample Id: 588766-001

Matrix: Soil

MS Sample Id: 588766-001 S

Prep Method: SW5030B

Date Prep: 06.15.18

MSD Sample Id: 588766-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0356	36	0.0325	33	70-130	9	35	mg/kg	06.15.18 08:07	X
Toluene	<0.00200	0.0998	0.0393	39	0.0342	34	70-130	14	35	mg/kg	06.15.18 08:07	X
Ethylbenzene	<0.00200	0.0998	0.0365	37	0.0349	35	70-130	4	35	mg/kg	06.15.18 08:07	X
m,p-Xylenes	<0.00399	0.200	0.0760	38	0.0722	36	70-130	5	35	mg/kg	06.15.18 08:07	X
o-Xylene	<0.00200	0.0998	0.0351	35	0.0327	33	70-130	7	35	mg/kg	06.15.18 08:07	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		96		70-130	%	06.15.18 08:07
4-Bromofluorobenzene	102		103		70-130	%	06.15.18 08:07

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

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



Trinity Oilfield Services & Rentals, LLC
Red Tank 24 Fed. 1&2 CTB

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

Page 1 of 1

LAB W.O # :

Field billable Hrs :

588902

* Container Type Codes

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

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

** Preservative Type Codes

A. None	E. HCL	I. Ice
B. HNO ₃	F. MeOH	J. MCAA
C. H ₂ SO ₄	G. Na ₂ S ₂ O ₃	K. ZnAc&NaOH
D. NaOH	H. NaHSO ₄	L. Asbc Acid&NaOH
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: Red Tank 24 Fed. 1 & 2 CTB 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) Run PAH on Highest TPH Only if
								# Cont	Lab Only:			
1	W. Wall #1	6/4/18	1435	S			1		X	X	X	
2	E. Wall #2	6/7/18	1100	S			1		X	X	X	
3	W. Wall #2	6/7/18	1130	S			1		X	X	X	
4												
5												
6												
7												
8												
9												
0												

Reg. Program / Clean-up Std	STATE for Certs & Regs	QA/QC Level & Certification	EDDs	COC & Labels	Coolers Temp °C	Lab Use Only	YES	NO	N/A
CTLs TRRP DW NPDES LPST DryCln	FL TX GA NC SC NJ PA OK	1 2 3 4 CLP AFCEE QAPP	ADaPT SEDD ERPIMS	Match Incomplete Absent Unclear	1-0.92 23 0.04	Non-Conformances found?			
Other:	LA AL NM Other:	NELAC DoD-ELAP Other:	XLS Other:			Samples intact upon arrival?			
Refrinquired by	Affiliation	Date	Time	Received by	Affiliation	Date	Time		
1	Trinity	6/11/18	1620	Brittany Cox		6/11/18	4:18	Received on Wet Ice?	
2		6/10/18	4:30	Kate	Xenco	6/12/18	10:45	Labeled with proper preservatives?	
3								Received within holding time?	
4								Custody seals intact?	
								VOCs rec'd w/o headspace?	
								Proper containers used?	
								pH verified-acceptable, excl VOCs?	
								Received on time to meet HTs?	

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

C.O.C. Serial #

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

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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 #: 588902

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