

***** LIQUID SPILLS - VOLUME CALCULATIONS *****

Location of spill:

RED TANK 30 31 ST COM 24Y

(32.3695283, -103.6039297)

Date of Spill:

2/1/2018

Site Soil Type:

KD — Kermit-Palomas fine sands

Estimated Daily Production Loss: 45 BBL Oil 0 BBL Water

Total Area Calculations

Total Surface Area	width		length		wet soil depth	oil (%)
Rectangle Area #1	20.0 ft	X	30.0 ft	X	32.0 in	100%
Rectangle Area #2	ft	X	ft	X	in	0%
Rectangle Area #3	ft	X	ft	X	in	0%
Rectangle Area #4	ft	X	ft	X	in	0%
Rectangle Area #5	ft	X	ft	X	in	0%
Rectangle Area #6	ft	X	ft	X	in	0%
Rectangle Area #7	ft	X	ft	X	in	0%
Rectangle Area #8	ft	X	ft	X	in	0%

Porosity 0.160 gal per gal

Saturated Soil Volume Calculations:

		H2O		OIL
Area #1	600 sq. ft.	cu. ft.	1,600	cu. ft.
Area #2	0 sq. ft.	cu. ft.		cu. ft.
Area #3	0 sq. ft.	cu. ft.		cu. ft.
Area #4	0 sq. ft.	cu. ft.		cu. ft.
Area #5	0 sq. ft.	cu. ft.		cu. ft.
Area #6	0 sq. ft.	cu. ft.		cu. ft.
Area #7	0 sq. ft.	cu. ft.		cu. ft.
Area #8	0 sq. ft.	cu. ft.		cu. ft.
Total Solid/Liquid Volume:	600 sq. ft.	cu. ft.	1,600	cu. ft.

Estimated Volumes Spilled

	H2O		OIL
Liquid in Soil:	0.0 BBL	45.6	BBL
Liquid Recovered :	0.0 BBL	0.0	BBL
Spill Liquid	0.0 BBL	45.6	BBL
Total Spill Liquid:		45.6	

Recovered Volumes

Estimated oil recovered: 0.0 BBL
 Estimated water recovered: 0.0 BBL

Soil Type	Porosity
Clay	0.15
Peat	0.40
Glacial Sediments	0.13
Sandy Clay	0.12
Silt	0.16
Loess	0.25
Fine Sand	0.16
Medium Sand	0.25
Coarse Sand	0.26
Gravely Sand	0.26
Fine Gravel	0.26
Medium Gravel	0.25
Coarse Gravel	0.18
Sandstone	0.25
Siltstone	0.18
Shale	0.05
Limestone	0.13
Basalt	0.19
Volcanic Tuff	0.20
Standing Liquids	

Page 2 of 278
Received by OGD: 12/21/2023 12:04:43 PM
Released to Imaging: 12/22/2023 7:52:18 AM

District I
1625 N. French Dr., Hobbs, NM 88240
District II
111 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	RED TANK 30 31 ST COM 24Y	Facility Type	WELL

Surface Owner	STATE	Mineral Owner	STATE	API No.	30-025-44161
---------------	-------	---------------	-------	---------	--------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	30	22S	33E	200	NORTH	270	EAST	LEA

Latitude 32.3695283 Longitude -103.6039297 NAD83

NATURE OF RELEASE

Type of Release	OIL	Volume of Release	45 bbls	Volume Recovered	0 bbls
Source of Release	Equalizing frac tanks manway was not sealed.	Date and Hour of Occurrence	2-1-2018	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	OLIVIA YU-NMOCD; KENDA MONTOYA-SLO		
By Whom?	WADE DITTRICH	Date and Hour	2-2-2018 @ 9:51 AM		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

RECEIVED
By Olivia Yu at 1:54 pm, Feb 06, 2018

Describe Cause of Problem and Remedial Action Taken.*

Leak was caused when equalizing the frac tanks and a manway was not sealed. The issue has been corrected and equipment has been returned to service.

Describe Area Affected and Cleanup Action Taken.*

The affected area is 30x20ft (measurements are subject to change with GPS tracking). Remediation will be completed in accordance with a remediation plan approved by the NMOCD and SLO.

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

Signature:	<u>OIL CONSERVATION DIVISION</u>		
Printed Name: WADE DITTRICH	Approved by Environmental Specialist:		
Title: ENVIRONMENTAL SPECIALIST	Approval Date: 2/6/2018	Expiration Date:	
E-mail Address: WADE.DITTRICH@OXY.COM	Conditions of Approval: see attached directive	Attached <input checked="" type="checkbox"/>	
Date: 2-6-18 Phone: 575-390-2828			

Attach Additional Sheets If Necessary

1RP-4957 nOY1803750274 pOY1803750591

Incident ID	NOY1803750274
District RP	
Facility ID	
Application ID	

Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

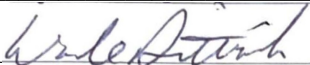
Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Wade Dittrich

Title: Environmental Coordinator

Signature: 

Date: 12/20/2023

email: Wade_Dittrich@oxy.com

Telephone: 575-390-2828

OCD Only

Received by: _____

Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____

Title: _____

Incident ID	NOY1803750274
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>NA</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

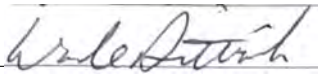
- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Incident ID	NOY1803750274
District RP	
Facility ID	
Application ID	

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Wade Dittrich Title: Environmental Coordinator
Signature:  Date: 12/20/2023
email: Wade_Dittrich@oxy.com Telephone: 575-390-2828

OCD Only

Received by: _____ Date: _____

State of New Mexico
Oil Conservation Division

Incident ID	NOY1803750274
District RP	1RP-4957
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Wade DittrichTitle: Environmental CoordinatorSignature: Date: 5/8/2019email: Wade_Dittrich@oxy.comTelephone: (575)390-2828**OCD Only**Received by: Robert HamletDate: 4/22/2020☒ Approved☐ Approved with Attached Conditions of Approval☐ Denied☐ Deferral ApprovedSignature: Date: 4/22/2020



Remediation Approval - OXY - Red Tank 30-31 St Com 24Y (Incident #NOY1803750274) (1RP-4957)

Hamlet, Robert, EMNRD <Robert.Hamlet@state.nm.us>

Wed, Apr 22, 2020 at 9:56 AM

To: Wade Dittrich <Wade_Dittrich@oxy.com>

Cc: "Ben J. Arguijo" <ben@trinityoilfieldservices.com>, "Bratcher, Mike, EMNRD" <mike.bratcher@state.nm.us>, "Venegas, Victoria, EMNRD" <Victoria.Venegas@state.nm.us>, "Eads, Cristina, EMNRD" <Cristina.Eads@state.nm.us>, "Mann, Ryan" <rmann@slo.state.nm.us>, "Billings, Bradford, EMNRD" <Bradford.Billings@state.nm.us>

Wade,

We have received your Workplan/Remediation Proposal for **Incident #NOY1803750274 Red Tank 30-31 St Com 24Y**, thank you. This Workplan/Remediation proposal is approved.

Please let me know if you have any further questions.

Regards,

Robert J Hamlet

State of New Mexico

Energy, Minerals, and Natural Resources

Oil Conservation Division

811 S. First St., Artesia NM 88210

(575) 748-1283

Robert.Hamlet@state.nm.us

OCD approval does not relieve the operator of liability should their operations fail to adequately investigate and remediate contamination that may pose a threat to groundwater, surface water, human health or the environment. In addition, OCD approval does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Remediation Approval - OXY - Red Tank 30-31 St Com 24Y.pdf
136K

Trinity Oilfield Services & Rentals, LLC



December 20th, 2023

Oil Conservation Division, District I
1625 N. French Drive
Hobbs, NM 88240

Re: **Closure Request**
Red Tank 30 31 State Com 24Y
Tracking #: NOY1803750274

Trinity Oilfield Services (Trinity), on behalf of OXY USA, Inc., hereby submits the following Closure Request in response to a release that occurred at the above-referenced location, and further described below.

Site Information	
Incident ID	NOY1803750274
Site Name	Red Tank 30 31 State Com 24Y
Company	OXY USA, Inc.
County	Lea
ULSTR	A-30-22S-33E
GPS Coordinates (NAD 83)	32.3695283, -103.6039297
Landowner	State

HISTORICAL RELEASE BACKGROUND

This site had previously been remediated but no paperwork existed for verification, therefore, OXY performed confirmation sampling to verify remediation limits had been met.

On 2/2/2018, OXY USA, Inc. reported a release at the Red Tank 30 31 State Com 24Y. The release was caused when a manway was not properly sealed during frac tank equalization. Approximately 481 sqft. of the Pad was found to be damp upon initial inspection.

Release Information	
Date of Release	2/1/2018
Type of Release	Crude Oil
Source of Release	Equipment Failure
Volume Released – Produced Water	0 bbls
Volume Recovered – Produced Water	0 bbls
Volume Released – Crude Oil	45 bbls
Volume Recovered – Crude Oil	0 bbls
Affected Area – Damp Soil	Pad - Approximately 481 sqft.
Site Location Map	Attached

SITE CHARACTERIZATION AND CLOSURE CRITERIA**Depth to Groundwater/Wellhead Protection:**

Data Source	Well Number	Data Date	Depth (ft.)
NM OSE	NA	NA	NA
USGS	NA	NA	NA
Soil Bore	SB-05	11/14/2022	106'

A search of the groundwater well databases maintained by the New Mexico Office of the State Engineer (NMOSE) and the United States Geological Survey (USGS) was conducted to determine if any registered groundwater wells are located within a $\frac{1}{2}$ mile of the release site. The search revealed that Zero (0) wells occurred in the databases that meet the NMOCD criteria for the age of data, the distance of the data point well from the release point, and a data point well having a diagram of construction. Remediation efforts were taken to the most stringent closure criteria.

A recent soil bore in proximity of the release site was utilized to document depth to groundwater. On 11/14/2022, Trinity was onsite to drill a groundwater determination borehole (SB-05) to 106' below ground surface within a $\frac{1}{2}$ mile radius of the incident location. The borehole was left open for 72 hours and checked for the presence of groundwater. As a result, no water was detected at 106' below surface at the borehole location (32.3535285, -103.6045192). The driller log is attached for reference.

General Site Characterization:

Site Assessment	
Karst Potential	Low
Distance to Watercourse	> 1,000 ft.
Within 100 yr Floodplain	No
Pasture Impact	No

A risk-based site assessment/characterization was performed following the New Mexico Oil Conservation Division (NMOCD) Rule (Title 19 Chapter 15 Part 29) for releases on oil and gas development and production in New Mexico (effective August 14, 2018). To summarize the site assessment/characterization evaluation, the affected area has Low potential for cave and karst, and no other receptors (residence, school, hospital, institution, church, mining, municipal, or other ordinance boundaries) were located within the regulatorily promulgated distances from the site.

Closure Criteria:

On-Site & Off-Site 4ft bgs Recommended Remedial Action Levels (RRALs)	
Chlorides	600 mg/kg
TPH (GRO and DRO and MRO)	100 mg/kg
TPH (GRO and DRO)	NA
BTEX	50 mg/kg
Benzene	10 mg/kg

A reclamation standard of 600 mg/kg chloride and 100 mg/kg TPH was applied to the top four feet of the pasture area if impacted by the release, per NMAC 19.15.29.13.D (1) for the top four feet of areas that will be reclaimed following remediation.

INITIAL ASSESSMENT AND REMEDIATION ACTIVITIES**Initial Sample Activities:**

Delineation Summary	
Delineation Dates	03/19/2019 - 04/17/2019
Depths Sampled	1.5' - 8'
Delineation Map	Attached
Laboratory Results	Table 1

All soil samples were placed into laboratory-supplied glassware, labeled, and maintained on ice until delivery to an NMOCD-approved laboratory (Xenco and Cardinal Laboratories) for the analysis of chloride using Method SM4500 Cl-B, Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX) by EPA Method 8021 B and Total Petroleum Hydrocarbon (TPH) constituents the by EPA 8015M.

Confirmation Activities:

Remediation Summary	
Remediation Dates	6/20/2023
Workplan Approval	4/22/2020
Liner Variance Request	None
Deferral Request	None
Depths Excavated	2'
Area Represented by the required 5-point Confirmation Samples – Floors and Walls	200 sqft.
Total Volume of Excavated Soil	36 yards
Remediation Map	Attached
Laboratory Results	Table 2

Impacted soil within the release margins was excavated and temporarily stockpiled on-site on a 6-mil plastic sheeting, pending final disposition. Unless a Variance Request has been approved, all Floor and On-Site Walls of the excavated area were advanced until laboratory analytical results from confirmation soil samples indicate Chloride, Benzene, BTEX, and TPH concentrations are below the RRAL NMOCD Closure Criteria listed in the Table above, and all Off-Site Walls were advanced to meet reclamation standards. Confirmation soil samples (five-point composites representing no more than 200 sqft. of the excavated area) were collected from the floor and sidewalls.

Upon receiving laboratory analytical data showing that confirmation soil samples from the excavated areas yield results below the selected NMOCD Table 1 Closure Criteria; the impacted soil was transported under manifest to an NMOCD-approved disposal facility and the excavated area was backfilled with locally sourced, non-impacted "like" material.

SITE RECLAMATION AND RESTORATION

Areas affected by the release and the associated remediation activities were restored to a condition that existed before the release to the extent practicable. The affected area was contoured and/or compacted to provide erosion control, stability, and preservation of surface water flow. Affected areas not on production pads and/or lease roads will be reseeded with a prescribed BLM, NMSLO, and/or Private Landowner requested seed mixture during the first favorable growing season following the closure of the site by the applicable regulatory agency.

REQUEST FOR CLOSURE

Supporting Documentation	
C-141 page 6	Signed and Attached
Delineation and Remediation Maps	Attached
Depth to Groundwater Maps and Source	Attached
US NWI Map	Attached
FEMA Flood Hazard Map	Attached
USDA Soil Survey	Attached
Site Photography	Attached
Laboratory Analytics with COCs	Attached

The site has been remediated to meet the standards of Table I of 19.15.29.12 NMAC; therefore, Trinity Oilfield Services respectfully requests that the New Mexico Oil Conservation Division grant closure approval for the referenced release.

Sincerely,



Dan Dunkelberg
Project Manager



Cynthia Jordan
Project Scientist

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

OXY USA, INC.
RED TANK 30-31 ST COM 24Y
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #: 1RP-4957




SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					EPA 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 C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	GRO+ DRO (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)
NMOCD Closure Limits					10	NE	NE	NE	NE	NE	50	NE	NE	1,000	NE	2,500	20,000
SP-1 E. Floor @ 4'	4'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	49.3	49.3	<15.0	49.3	196
SP-1 W. Floor @ 4'	4'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	64.2	64.2	<15.0	64.2	226
SP-1 E. Wall @ 4'	4'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	<14.9	28.3
SP-1 W. Wall @ 4'	4'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	7.42
SP-1 E. Wall @ 1.5'	1.5'	3/22/2019	Grab	In-Situ	<0.0020	0.0043	<0.0020	<0.0040	<0.0020	<0.0020	0.0043	<15.0	<15.0	<15.0	<15.0	<15.0	12.7
SP-1 W. Wall @ 1.5'	1.5'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	25.6
SP-2 N. Floor @ 4'	4'	3/19/2019	Grab	In-Situ	<0.0020	0.0086	0.0369	0.190	0.140	0.330	0.376	99.1	1,400	1,499	465	1,960	263
SP-2 N. Wall @ 4'	4'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	6.95
SP-2 N. Wall @ 1.5'	1.5'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	34.2
SP-2 @ 5'	5'	4/10/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	208
SP-2 @ 6.5'	6.5'	4/11/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	37.6
SP-3 S. Floor @ 4'	4'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	258	258	24.4	282	202
SP-3 S. Wall @ 4'	4'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	<14.9	198
SP-3 S. Wall @ 1.5'	1.5'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	42.4
SP-4 Floor @ 3'	3'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	7.50
SP-4 NE Wall @ 1.5'	1.5'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	19.7
SP-5 Floor @ 3'	3'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	10.1
SP-5 SE Wall @ 1.5'	1.5'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	<14.9	27.7
SP-6 Floor @ 3'	3'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	82.7
SP-6 S. Wall @ 1.5'	1.5'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	26.2
SP-7 NW Wall @ 1.5'	1.5'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	21.0
SP-7 NW Wall @ 4'	4'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	<5.04
SP-7 @ 1.5'	1.5'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	26.2
SP-7 @ 4'	4'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	0.0140	0.157	0.147	0.304	0.318	68.8	1,290	1,359	402	1,760	37.5
SP-7 @ 5'	5'	4/17/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	21.0	21.0	<15.0	21.0	81.5
SP-7 @ 8'	8'	4/17/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	27.2

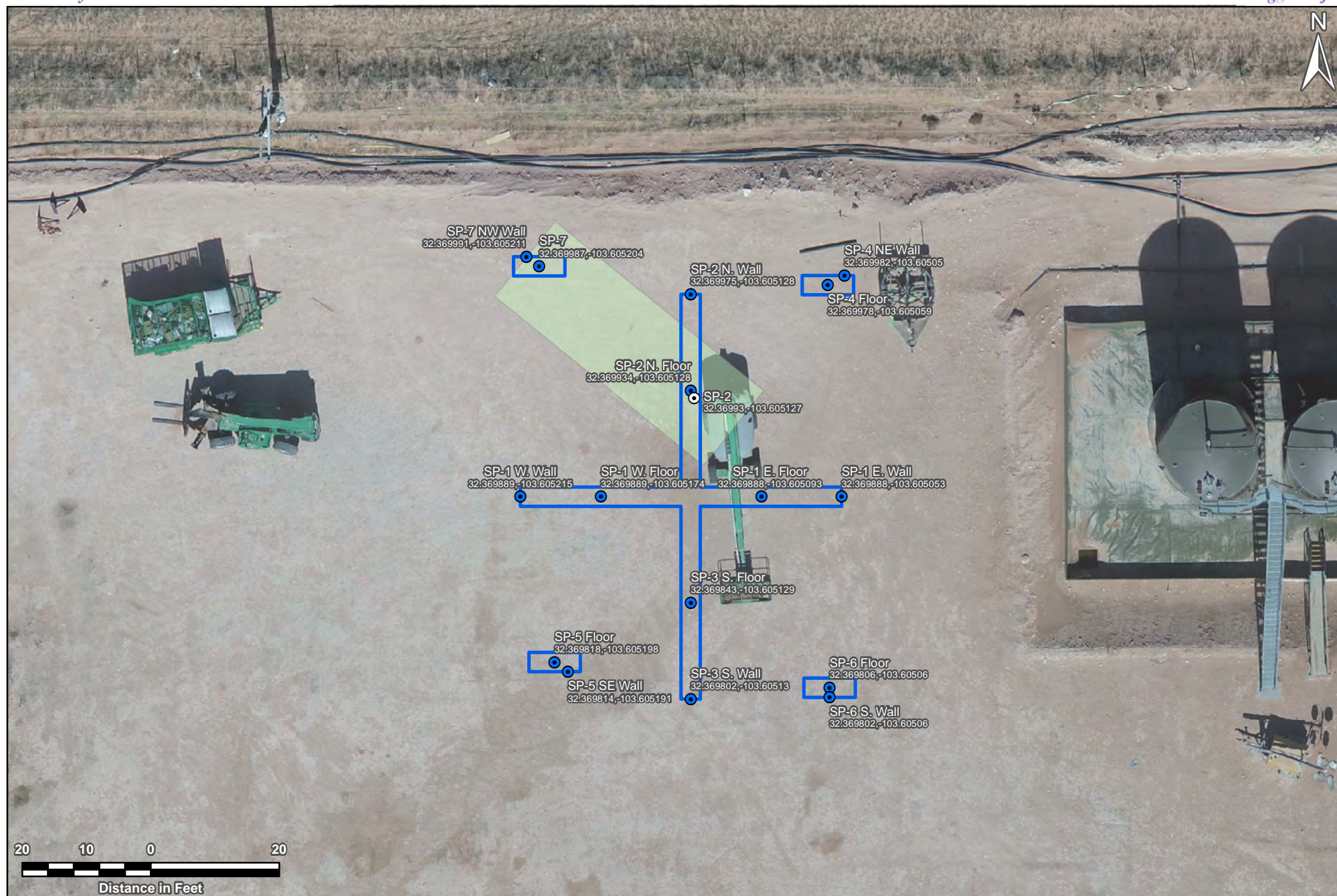
NE = Not established

- = Not analyzed

Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 2 CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL														
OXY USA, INC. RED TANK 30 31 ST COM 24Y COUNTY, NEW MEXICO NMOCD REFERENCE #: NOY1803750274														
														
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	FLOOR/ WALL	OFF-SITE/ ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits Pad							600	100	NE	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4'							600	100	NE	NE	NE	NE	50	10
Remediation Floors														
CF-001.0-02.0-S	2	6/20/2023	Floor	On-Site	Composite	In-Situ	112.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-002.0-02.0-S	2	6/20/2023	Floor	On-Site	Composite	In-Situ	304.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-003.0-02.0-S	2	6/20/2023	Floor	On-Site	Composite	In-Situ	256.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
Remediation Walls														
CW-001.0-01.0-S	1	6/20/2023	Wall	On-Site	Composite	In-Situ	336.00	11.50	11.50	<10.0	11.50	<10.0	<.300	<0.50



**Legend**

- Proposed Excavation (5' bgs)
- Delineation Trench
- Delineation Sample
- Auger Hole

Figure 2
Site Plan
OXY USA, Inc.
Red Tank 30-31 St Com 24Y
Lea County, New Mexico
NMOCD Reference #: NOY1803750274



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

Drawn By: BJA	Checked By: JEH
---------------	-----------------

May 7, 2019	Scale: 1" = 20'
-------------	-----------------



Maxar, Microsoft

Legend:

- Remediation Wall
- Remediation Floor
- Excavation Area

Remediation Map
OXY USA, Inc.
Red Tank 30 31 St Com 24Y
32.3695283, -103.6039297
Lea County, New Mexico
NMOCD Reference # NOY1803750274



OXY USA, Inc. – Red Tank 30-31 State Com 24Y
Unit Letter "A" (NE/NE), Section 30, Township 22S, Range 33E



Release (Looking East-Southeast)



Release (Looking Southeast)

OXY USA, Inc. – Red Tank 30-31 State Com 24Y
Unit Letter “A” (NE/NE), Section 30, Township 22S, Range 33E



Release (Looking West-Southwest)



Release (Looking Northwest)

OXY USA, Inc. – Red Tank 30-31 State Com 24Y
Unit Letter “A” (NE/NE), Section 30, Township 22S, Range 33E



Release (Looking North)



Release (Looking West)



Excavation

Pad:



Pad:



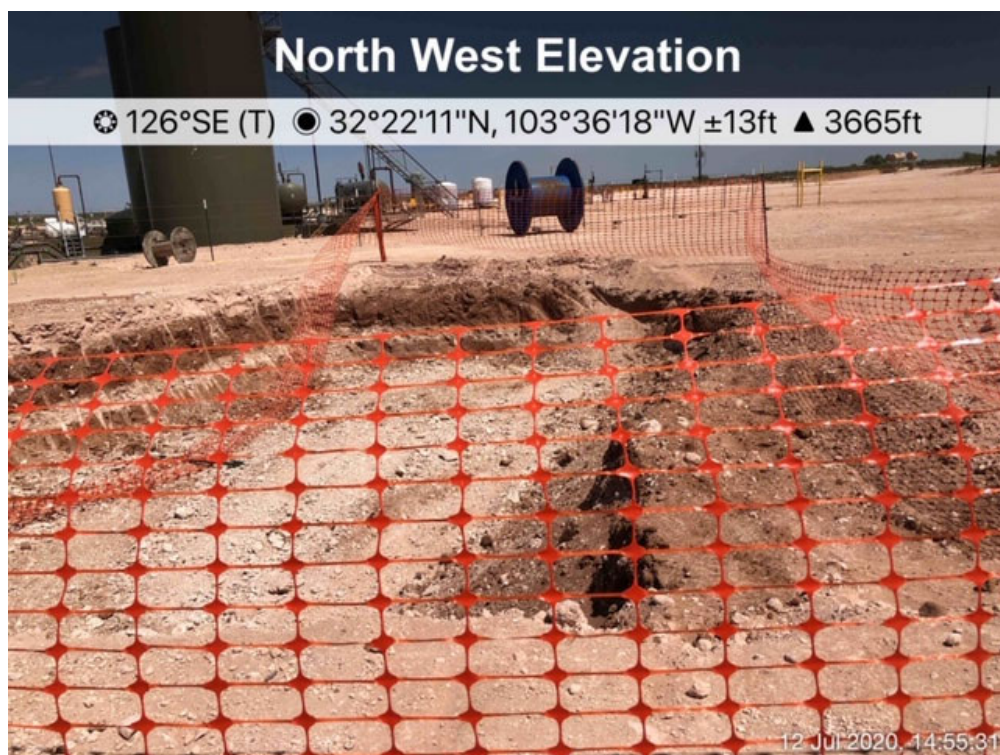


Excavation

Pad:



Pad:

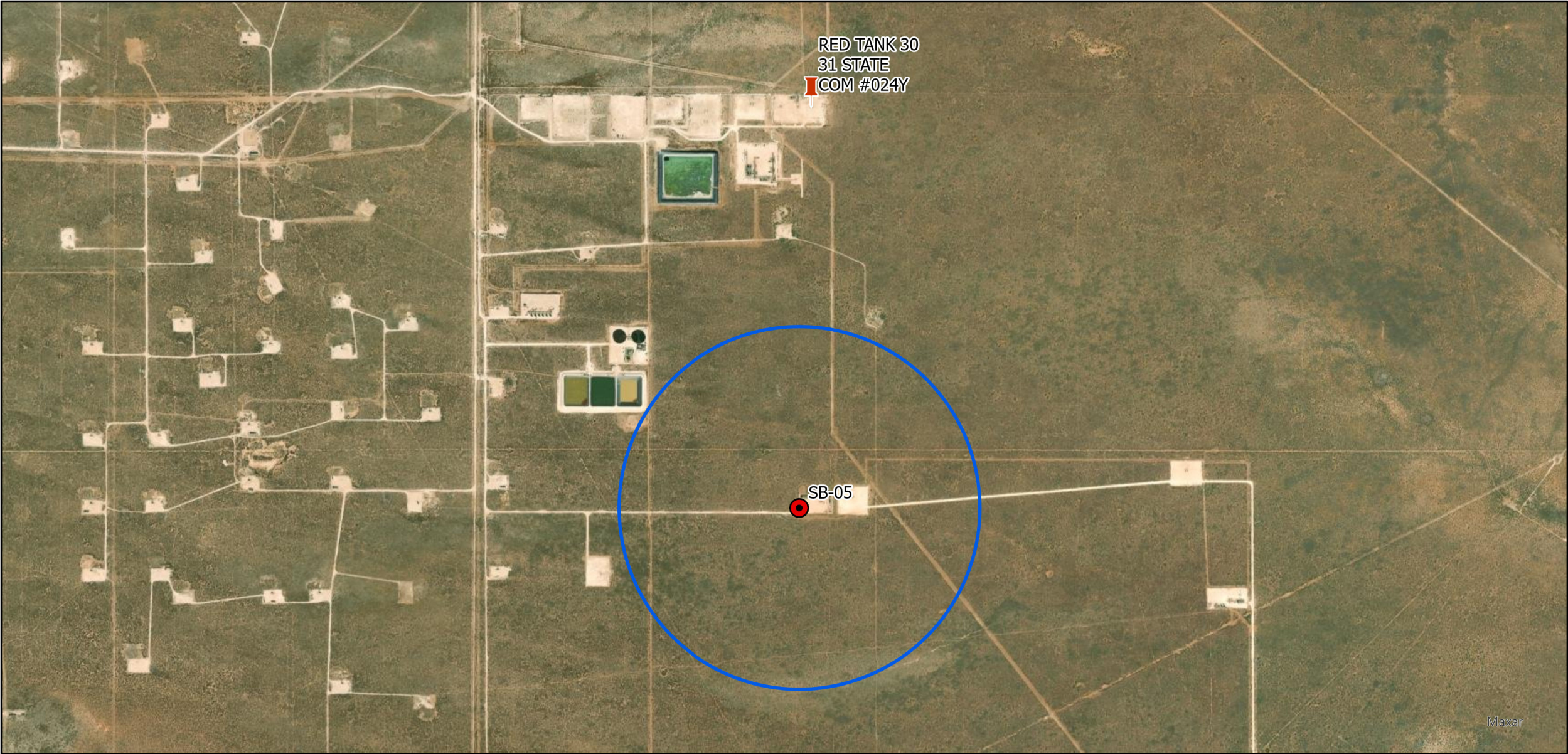







Excavation

Pad:

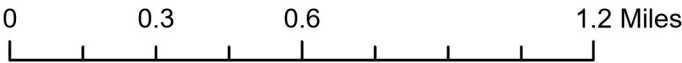




Legend:

-  Site Location
-  Soil Bore
-  1/2 Mile Buffer

Soil Bore Map
OXY USA, Inc.
Red Tank 30 31 State Com 24Y
Lea County, New Mexico
32.3695283, -103.6039297
NMOCD Reference # NOY1803750274





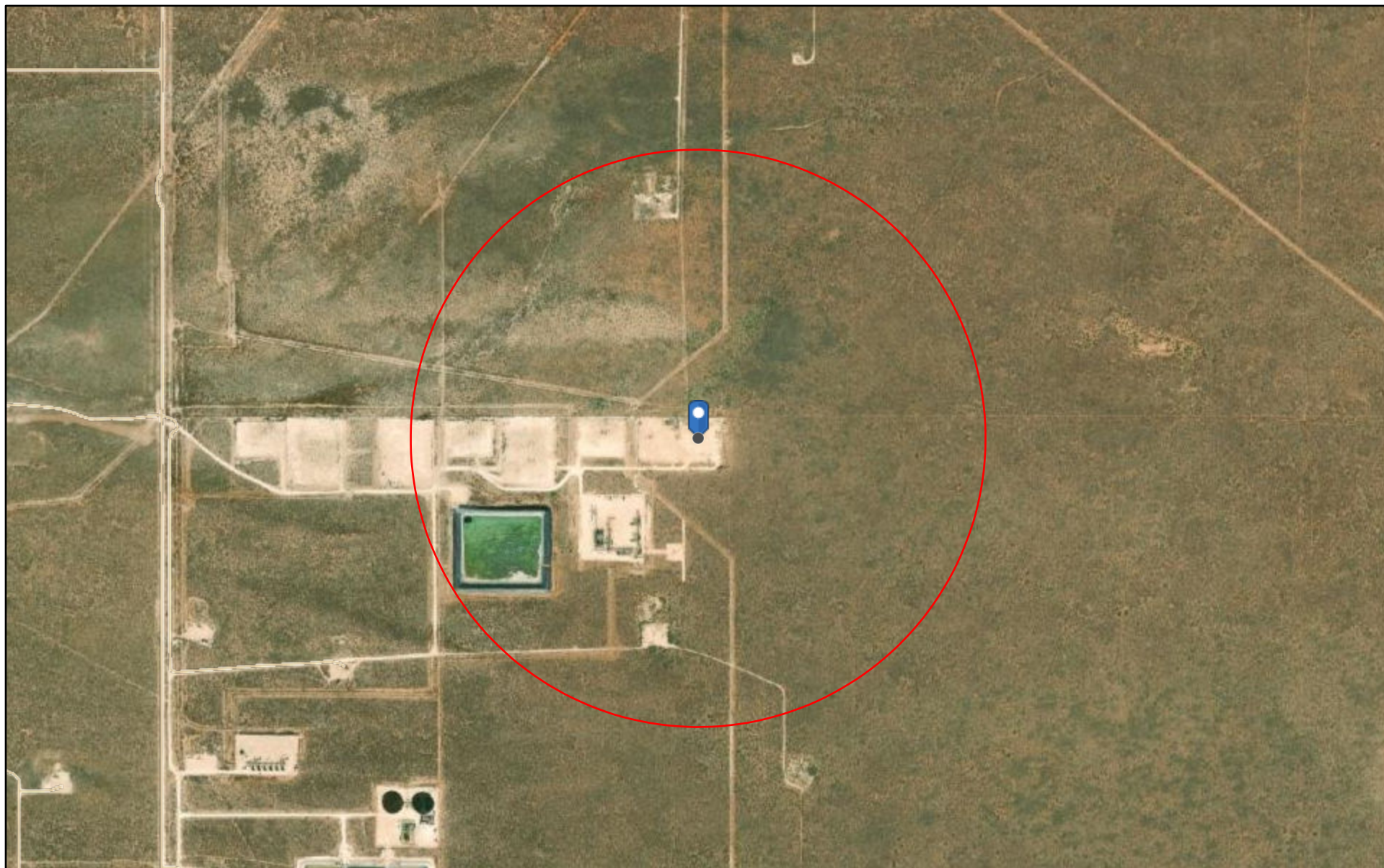
SOIL BORE LOG SB-05

PROJECT NAME Red Tank 31 State #005H		DRILLING DATE 11/14/2022	COORDINATES 32.3535285, -103.6045192
CLIENT OXY USA, Inc.		TOTAL DEPTH 106'	COORD SYS NAD 83
			ULSTR A-31-22S-33E
			SURFACE ELEVATION 3722'
COMMENTS Spud on the Southwest corner of the Red Tank 31 State #005H Well Pad. Bore Hole was observed to be dry after 72 hrs.			LOGGED BY CJ CHECKED BY DD
Depth (ft)	Moisture	Material Description	Elevation (ft)
5	D	Reddish Yellow Sandy Clay Loam. Dry	3720
		Yellowish Red Sandy Loam. Dry	
10		Reddish Yellow Sandy Clay Loam. Dry	3715
15			3710
20			3705
25		Reddish Yellow Sandy Loam. Dry	3700
30			3695
35		Reddish Yellow Sandy Clay Loam. Dry	3690
40		Reddish Yellow Sandy Clay Loam. Dry	3685
45		Reddish Brown Sandy Clay Loam. Dry	3680
50		Weak Red Sandy Clay Loam. Dry	3675
55		Brown Sandy Clay Loam. Dry	3670
		Weak Red Sandy Clay Loam. Dry	
60		Light Brown Sandy Clay Loam. Dry	3665
65		Brown Sandy Clay Loam. Dry	3660
70		Weak Red Sandy Clay Loam. Dry	3655
75		Brown Sandy Clay Loam. Dry	3650
80		Brown Sandy Clay Loam. Dry	3645
85		Grayish Brown Sandy Clay Loam. Dry	3640
90			3635
95			3630
100			3625
105		Grayish Brown Sandy Clay Loam. Dry	3620
		Gray Sandy Clay Loam. Dry	
		Termination Depth at: 106 ft.	3615
110			

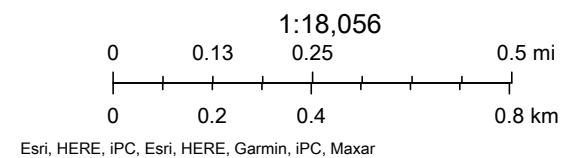
Disclaimer This bore log is intended to evidence a depth to groundwater greater than 106'.

Page 1 of 1

NOY1803750274 | RED TANK 30 31 ST COM 24Y

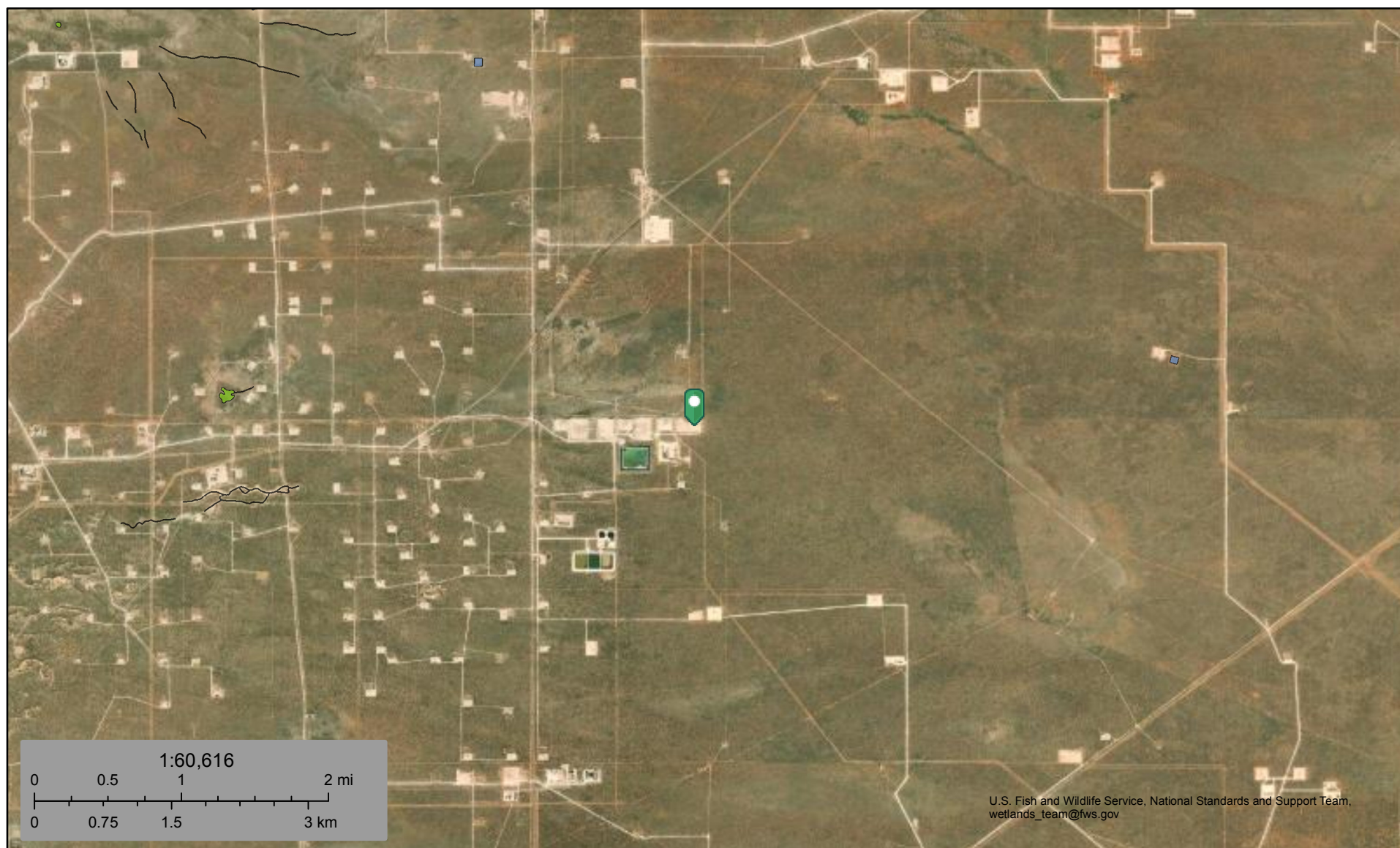


5/11/2023, 1:07:09 PM





NOY1803750274 | RED TANK 30 31 ST COM 24Y



May 11, 2023

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

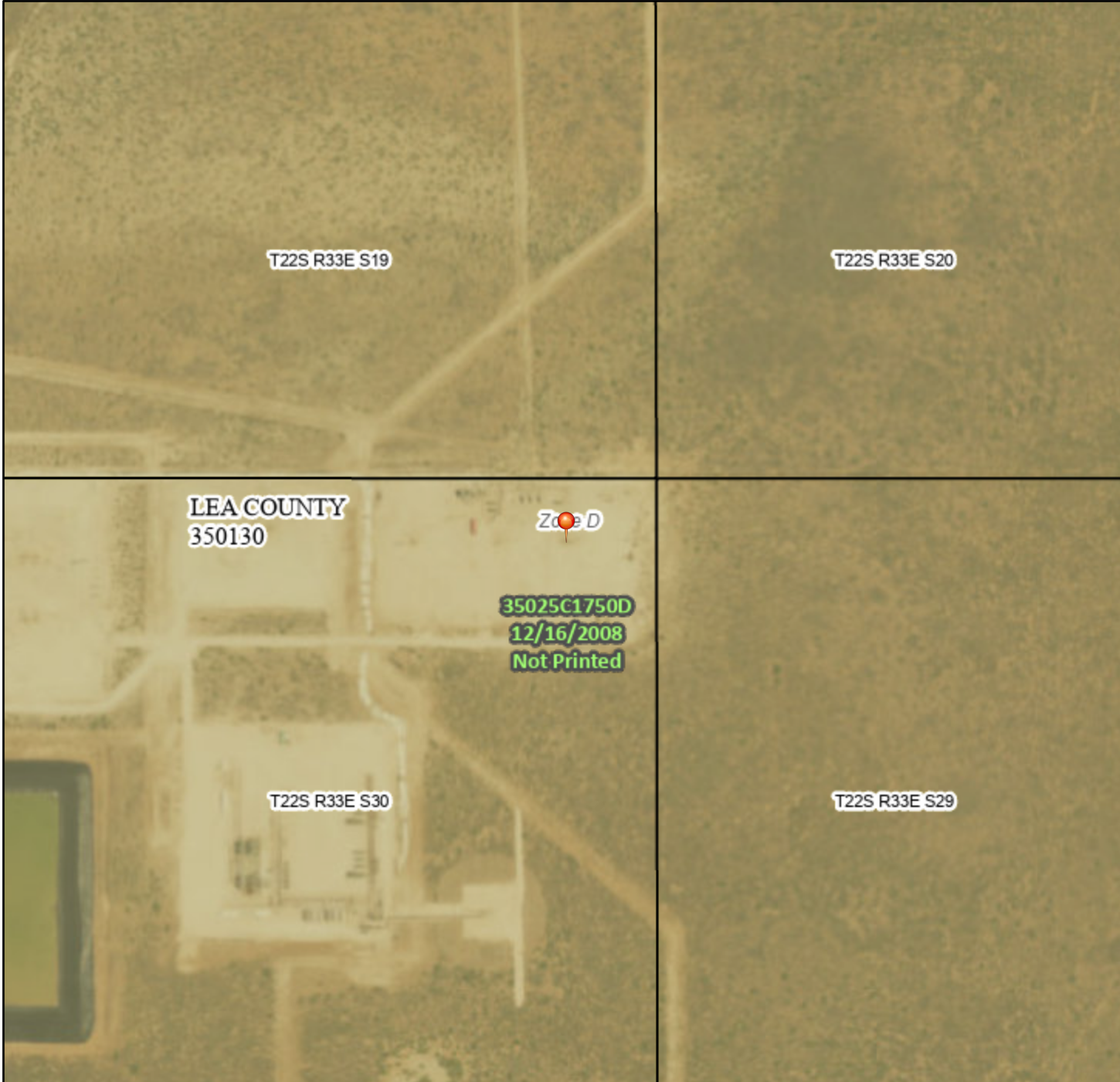
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Flood Hazard Layer FIRMette



103°36'33"W 32°22'26"N



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 5/11/2023 at 3:20 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

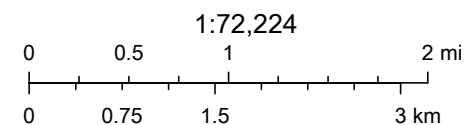
NOY1803750274 | RED TANK 30 31 ST COM 24Y



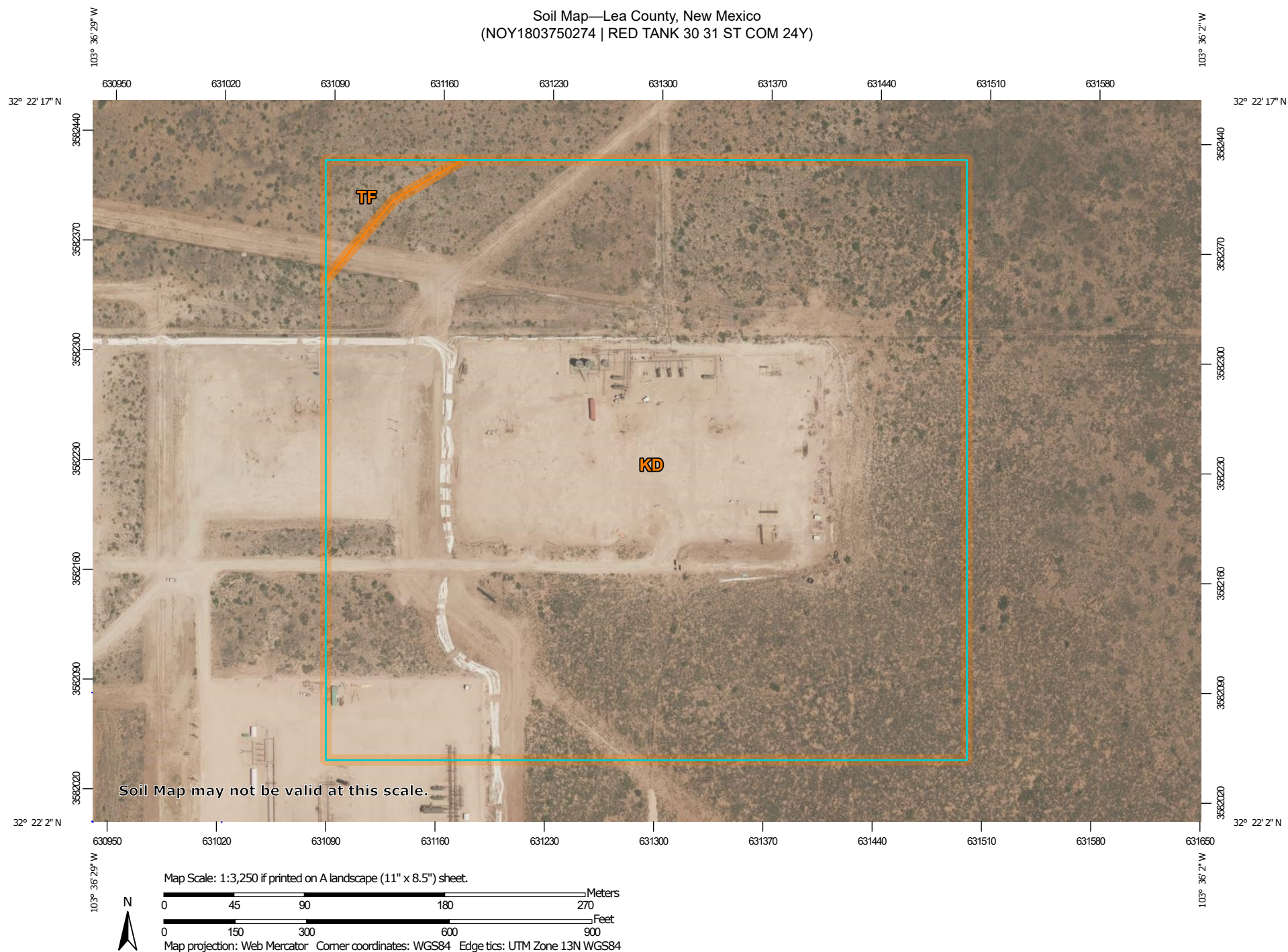
5/11/2023, 1:11:36 PM

Karst Occurrence Potential

 Low



BLM, OCD, New Mexico Tech, Earthstar Geographics

Soil Map—Lea County, New Mexico
(NOY1803750274 | RED TANK 30 31 ST COM 24Y)Natural Resources
Conservation ServiceWeb Soil Survey
National Cooperative Soil Survey5/11/2023
Page 1 of 3

Soil Map—Lea County, New Mexico
(NOY1803750274 | RED TANK 30 31 ST COM 24Y)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 19, Sep 8, 2022

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KD	Kermit-Palomas fine sands, 0 to 12 percent slopes	38.3	98.2%
TF	Tonuco loamy fine sand, 0 to 3 percent slopes	0.7	1.8%
Totals for Area of Interest		39.0	100.0%

State of New Mexico
Oil Conservation Division

Incident ID	
District RP	1RP-4957
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Wade Dittrich

Title: Environmental Coordinator

Signature: 

Date: 5/8/2019

email: Wade_Dittrich@oxy.com

Telephone: (575)390-2828

OCD Only

Received by: _____ Date: _____

☐ Approved

☐ Approved with Attached Conditions of Approval

☐ Denied

☐ Deferral Approved

Signature: _____

Date: _____

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Spill Remediation Proposal (Revised)



Company: OXY USA, Inc. **Address:** P.O. Box 4294, Houston, TX 77210 **Telephone #:** (575) 390-2828
Site Name: Red Tank 30-31 St Com 24Y **NMOCD Reference#:** 1RP-4957
Surface Owner: State of New Mexico **Mineral Owner:** State of New Mexico
Unit Letter: A **Section:** 30 **Township:** 22S **Range:** 33E **County:** Lea **GPS Coordinates:** 32.3695283N -103.6039297W
Date/Time of Release: 2/1/2018 **Type of Release:** ☒ **Crude Oil** ☐ **Produced Water**
Volume(s) Released: 45 bbls **Volume(s) Recovered:** 0 bbls

Closure Criteria for Impacted Soil (mg/kg; See Appendix C, "Closure Criteria Justification"):

Benzene: 10 **BTEX:** 50 **GRO+DRO:** 1,000 **TPH:** ☐ **100** **Chloride:** ☐ **600**
☒ **2,500** ☐ **10,000**
☒ **20,000**

Background Information:

On February 1, 2018, OXY USA, Inc. (OXY), discovered a release at the Red Tank 30-31 St Com 24Y well site. A manway was not properly sealed during frac tank equalization, resulting in the release of approximately 45 barrels (bbls) of crude oil. The issue was corrected, and the tanks were returned to service.

The release was immediately reported to the New Mexico Oil Conservation Division's (NMOCD) Hobbs District Office and the New Mexico State Land Office (NMSLO). The NMOCD "Release Notification & Corrective Action" form (C-141) is provided as Appendix A. General photographs of the release site are provided in Appendix B. A "Site Location Map" is provided as Figure 1.

Summary of Field Activities:

On February 2, 2018, Trinity Oilfield Services & Rentals, LLC (Trinity) conducted an initial assessment of the release site. Due to ongoing fracking activity, the presence of numerous frac tanks on-site, and heavy traffic on/around the location, no delineation and/or remediation of the release could be performed safely.

At some point following the February 2018 site assessment, the size of the caliche pad was doubled to accommodate the ongoing fracking activities. A new tank battery was constructed on the north-central side of the caliche pad, in the general vicinity of the release. Additional piping, appurtenances, electrical lines, pumps, flares, etc., were also installed along the northern edge and elsewhere on the pad.

In February 2019, OXY informed Trinity that delineation and remediation of the release site could safely commence. On February 20, 2019, Trinity utilized a drone to capture updated aerial imagery of the location. Based on a review of the aerial imagery and observations made during a subsequent site visit conducted on March 1, 2019, it was determined that the spill area had been covered with up to 3 to 4 feet of caliche during the expansion of the pad. GPS data collected during the February 2018 site assessment was subsequently used to determine the approximate location of the spill.

On March 19, 2019, Trinity commenced delineation of the release. A backhoe was utilized to advance a series of six (6) delineation trenches (SP-1 through SP-6) to investigate the extent of impacted soil. The delineation trenches were advanced to total depths ranging from 3 feet (SP-4 through SP-6) to 4 feet (SP-1 through SP-3) below ground surface (bgs). Soil samples were collected from the floors and sidewalls of the trenches and field-screened utilizing a chloride test kit and olfactory/visual senses. Confirmation samples from each sample location were submitted to Xenco Laboratories in Midland, Texas, for analysis of chloride, total petroleum hydrocarbons (TPH), and 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 indicated delineation of chloride, BTEX, and TPH contamination had been achieved. However, additional delineation was required to determine the extent of Gas Range Organics (GRO) and Diesel Range Organics (DRO) contamination in the area represented by soil sample SP-2 N. Floor @ 4'.

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Spill Remediation Proposal (Revised)



Summary of Field Activities (cont.):

On March 22, 2019, in an effort to confirm that the release site had indeed been successfully relocated via the February 2018 GPS data, delineation trenches SP-1 through SP-6 were re-entered, and additional soil samples were collected from the sidewalls of the trenches at 1.5 feet bgs. The soil samples were field-screened using a chloride test kit and olfactory/visual senses. Field screens indicated that the release had been successfully relocated, and confirmation samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations.

A delineation trench (SP-7) was also advanced to further investigate the horizontal and vertical extent of impacted soil to the northwest of the area represented by soil sample SP-2 N. Floor @ 4'. The trench was initially advanced to 1.5 feet bgs, and soil samples were collected from the floor and sidewalls and field-screened with a chloride test kit and olfactory/visual senses. Based on olfactory senses, the trench was advanced to 4 feet bgs, and an additional soil sample was collected from the floor and field-screened. Confirmation samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations.

Laboratory analytical results indicated delineation of chloride and TPH contamination had been achieved. However, additional delineation was required to determine the extent of BTEX, GRO, and DRO contamination in the area represented by soil sample SP-7 @ 4'.

On April 10 and April 11, 2019, a hand auger was utilized to conduct additional vertical delineation in the area represented by soil sample SP-2 N. Floor @ 4'. The auger hole was advanced in 6-inch to 1-foot intervals to a total depth of approximately 6.5 feet bgs. Soil samples were field-screened with olfactory/visual senses and/or a chloride test kit, and representative confirmation samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated delineation of chloride, GRO, DRO, TPH, and BTEX contamination had been achieved.

On April 17, 2019, a backhoe was utilized to conduct additional vertical delineation in the area represented by soil sample SP-7 @ 4'. The trench was advanced in 1-foot intervals to a total depth of approximately 8 feet bgs. Soil samples were field-screened with olfactory/visual senses and/or a chloride test kit, and representative confirmation samples were submitted to the laboratory for analysis of chloride, TPH, and BTEX concentrations. Laboratory analytical results indicated delineation of chloride, GRO, DRO, TPH, and BTEX contamination had been achieved.

Locations of the delineation trenches and auger hole are depicted in Figure 2, "Site Plan". Laboratory analytical results are summarized in Table 1, and analytical reports are provided in Appendix D. Chloride field test results are summarized in Table 2.

An "Environmental Site Summary & Spill Remediation Proposal" was submitted to the NMOCD in May of 2019. However, no response was ever received, and there is no record of the submittal in the NMOCD's online imaging system. This report has been updated in accordance with the guidelines listed in the document entitled "Procedures for Implementation of the Spill Rule (19.15.29 NMAC)", dated September 6, 2019.

Proposed Activities:

OXY proposes to conduct the following activities to progress the Red Tank 30-31 St Com 24Y release site to an NMOCD- and NMSLO-approved closure:

- No excavation will be conducted in the areas represented by delineation trenches SP-1, SP-3, SP-4, SP-5, and SP-6.
- The areas represented by soil samples SP-2 N. Floor @ 4' and SP-7 @ 4' will be excavated to total depths of approximately 5 feet bgs. Soil excavated from the current pad surface to approximately 2 feet bgs will be stockpiled on-site for reuse as backfill material. Soil excavated from approximately 2 to 5 feet bgs will be transferred to Lea Land, Inc. (NMOCD Permit #WM-01-035), for disposal.
- All excavated soil will be stockpiled on 6-mil plastic, pending final disposition.
- The total volume of impacted soil to be excavated is approximately 70 cubic yards.

Trinity Oilfield Services & Rentals, LLC

Environmental Site Summary & Spill Remediation Proposal (Revised)



Proposed Activities (cont.):

- Representative 5-point composite soil samples will be collected from the floor and sidewalls of the excavation(s) and submitted to Xenco Laboratories for confirmatory analyses of chloride, TPH, and/or BTEX concentrations using the EPA analytical methods listed in the "Summary of Field Activities" above. Each composite sample will represent an area measuring no larger than 200 square feet.
- All open excavations will be fenced off during periods of inactivity to prevent injury to oilfield personnel, livestock, and/or wildlife.
- Following remediation activities, the excavation(s) will be backfilled with locally acquired, non-impacted material, compacted, and contoured to fit the surrounding topography.
- The aforementioned corrective actions will be completed within 45 days of receipt of approval of this proposal by the NMOCD and NMSLO. Upon completion of the proposed tasks, a "Remediation Summary & Closure Request" will be submitted to the NMOCD and NMSLO, documenting remediation activities and results of confirmation soil samples.

Enclosures:

Figure 1: Site Location Map

Figure 2: Site Plan

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

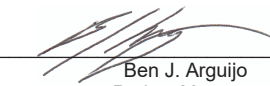
Table 2: Field Tests

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

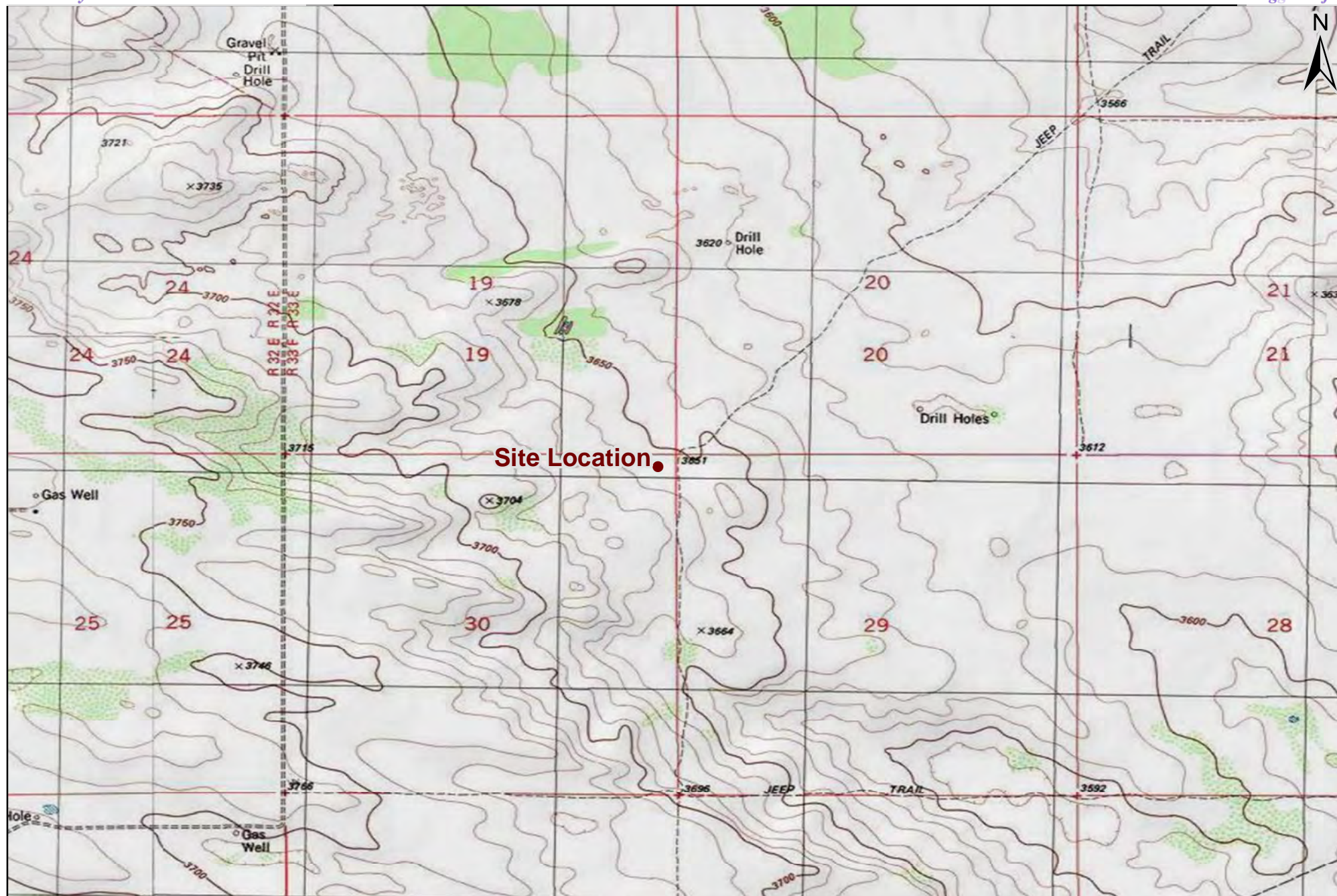
Appendix B: Photographs

Appendix C: Closure Criteria Justification

Appendix D: Laboratory Analytical Results

 4/7/2020
Ben J. Arguijo
Project Manager

Figures



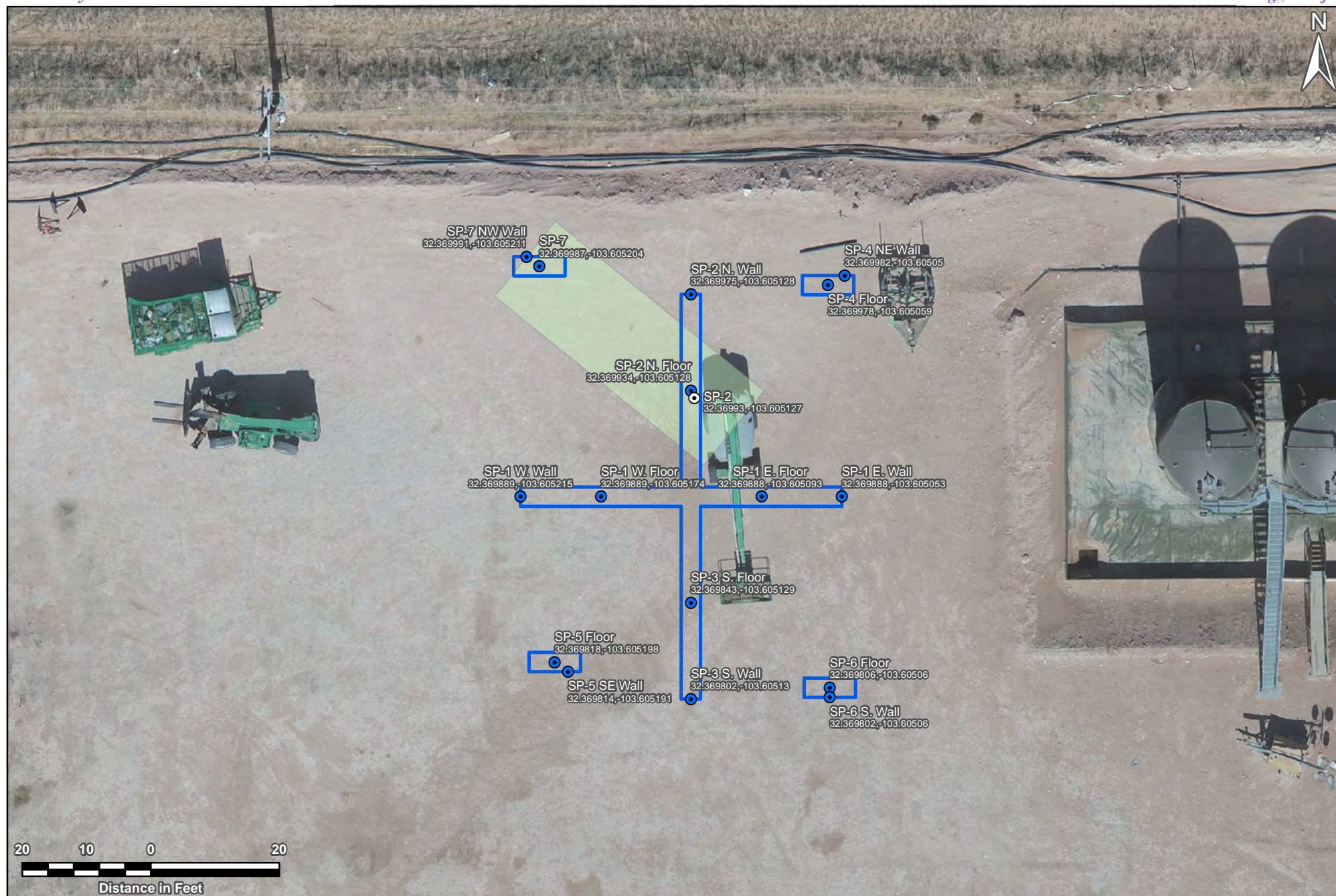
2,000 1,000 0 2,000
Distance in Feet

Figure 1
Site Location Map
OXY USA, Inc.
Red Tank 30-31 St Com 24Y
Lea County, New Mexico
NMOCD Reference #: 1RP-4957



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

Drawn By: BJA	Checked By: JEH
April 26, 2019	Scale: 1" = 2,000'

**Legend**

- Proposed Excavation (5' bgs)
- Delineation Trench
- Delineation Sample
- Auger Hole

Figure 2
Site Plan
OXY USA, Inc.
Red Tank 30-31 St Com 24Y
Lea County, New Mexico
NMOCD Reference #: 1RP-4957



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

Drawn By: BJA	Checked By: JEH
May 7, 2019	Scale: 1" = 20'

Tables

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

OXY USA, INC.
RED TANK 30-31 ST COM 24Y
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #: 1RP-4957



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					EPA 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 C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	GRO+ DRO (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)
NMOCD Closure Limits					10	NE	NE	NE	NE	NE	50	NE	NE	1,000	NE	2,500	20,000
SP-1 E. Floor @ 4'	4'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	49.3	49.3	<15.0	49.3	196
SP-1 W. Floor @ 4'	4'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	64.2	64.2	<15.0	64.2	226
SP-1 E. Wall @ 4'	4'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	<14.9	28.3
SP-1 W. Wall @ 4'	4'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	7.42
SP-1 E. Wall @ 1.5'	1.5'	3/22/2019	Grab	In-Situ	<0.0020	0.0043	<0.0020	<0.0040	<0.0020	<0.0020	0.0043	<15.0	<15.0	<15.0	<15.0	<15.0	12.7
SP-1 W. Wall @ 1.5'	1.5'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	25.6
SP-2 N. Floor @ 4'	4'	3/19/2019	Grab	In-Situ	<0.0020	0.0086	0.0369	0.190	0.140	0.330	0.376	99.1	1,400	1,499	465	1,960	263
SP-2 N. Wall @ 4'	4'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	6.95
SP-2 N. Wall @ 1.5'	1.5'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	34.2
SP-2 @ 5'	5'	4/10/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	208
SP-2 @ 6.5'	6.5'	4/11/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	37.6
SP-3 S. Floor @ 4'	4'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	258	258	24.4	282	202
SP-3 S. Wall @ 4'	4'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	<14.9	198
SP-3 S. Wall @ 1.5'	1.5'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	42.4
SP-4 Floor @ 3'	3'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	7.50
SP-4 NE Wall @ 1.5'	1.5'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	19.7
SP-5 Floor @ 3'	3'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	10.1
SP-5 SE Wall @ 1.5'	1.5'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	<14.9	27.7
SP-6 Floor @ 3'	3'	3/19/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	82.7
SP-6 S. Wall @ 1.5'	1.5'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	26.2
SP-7 NW Wall @ 1.5'	1.5'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	21.0
SP-7 NW Wall @ 4'	4'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	<5.04
SP-7 @ 1.5'	1.5'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	26.2
SP-7 @ 4'	4'	3/22/2019	Grab	In-Situ	<0.0020	<0.0020	0.0140	0.157	0.147	0.304	0.318	68.8	1,290	1,359	402	1,760	37.5
SP-7 @ 5'	5'	4/17/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	21.0	21.0	<15.0	21.0	81.5
SP-7 @ 8'	8'	4/17/2019	Grab	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	27.2

NE = Not established

- = Not analyzed

Concentrations in **BOLD** exceed the NMOCD Closure Limit

TABLE 2
FIELD TESTS

OXY USA, INC.
RED TANK 30-31 ST COM 24Y
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #: 1RP-4957



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	HACH QUANTAB
				CHLORIDE (mg/Kg)
NMOCD Closure Limit (mg/kg)				20,000
SP-1 E. Floor @ 4'	4'	3/19/2019	In-Situ	<128
SP-1 W. Floor @ 4'	4'	3/19/2019	In-Situ	<128
SP-1 E. Wall @ 4'	4'	3/19/2019	In-Situ	<128
SP-1 W. Wall @ 4'	4'	3/19/2019	In-Situ	<128
SP-1 E. Wall @ 1.5'	1.5'	3/22/2019	In-Situ	<128
SP-1 W. Wall @ 1.5'	1.5'	3/22/2019	In-Situ	<128
SP-2 N. Floor @ 4'	4'	3/19/2019	In-Situ	<128
SP-2 N. Wall @ 4'	4'	3/19/2019	In-Situ	<128
SP-2 N. Wall @ 1.5'	1.5'	3/22/2019	In-Situ	<128
SP-2 @ 5'	5'	4/10/2019	In-Situ	<128
SP-2 @ 6.5'	6.5'	4/11/2019	In-Situ	<128
SP-3 S. Floor @ 4'	4'	3/19/2019	In-Situ	<128
SP-3 S. Wall @ 4'	4'	3/19/2019	In-Situ	<128
SP-3 S. Wall @ 1.5'	1.5'	3/22/2019	In-Situ	<128
SP-4 Floor @ 3'	3'	3/19/2019	In-Situ	<128
SP-4 NE Wall @ 1.5'	1.5'	3/22/2019	In-Situ	<128
SP-5 Floor @ 3'	3'	3/19/2019	In-Situ	<128
SP-5 SE Wall @ 1.5'	1.5'	3/22/2019	In-Situ	<128
SP-6 Floor @ 3'	3'	3/19/2019	In-Situ	<128
SP-6 S. Wall @ 1.5'	1.5'	3/22/2019	In-Situ	<128
SP-7 NW Wall @ 1.5'	1.5'	3/22/2019	In-Situ	<128
SP-7 NW Wall @ 4'	4'	3/22/2019	In-Situ	<128
SP-7 @ 1.5'	1.5'	3/22/2019	In-Situ	<128
SP-7 @ 4'	4'	3/22/2019	In-Situ	<128
SP-7 @ 5'	5'	4/17/2019	In-Situ	<128
SP-7 @ 8'	8'	4/17/2019	In-Situ	<128

Appendices

Appendix A

Release Notification & Corrective Action (Form C-141)

Page 44 of 278
Received by OGD: 12/21/2023 12:04:43 PM
Released to Imaging: 12/22/2023 7:52:18 AM

District I
1625 N. French Dr., Hobbs, NM 88240
District II
111 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

Form C-141
Revised April 3, 2017

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

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	RED TANK 30 31 ST COM 24Y	Facility Type	WELL

Surface Owner	STATE	Mineral Owner	STATE	API No.	30-025-44161
---------------	-------	---------------	-------	---------	--------------

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
A	30	22S	33E	200	NORTH	270	EAST	LEA

Latitude 32.3695283 Longitude -103.6039297 NAD83

NATURE OF RELEASE

Type of Release	OIL	Volume of Release	45 bbls	Volume Recovered	0 bbls
Source of Release	Equalizing frac tanks manway was not sealed.	Date and Hour of Occurrence	2-1-2018	Date and Hour of Discovery	
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	OLIVIA YU-NMOCD; KENDA MONTOYA-SLO		
By Whom?	WADE DITTRICH	Date and Hour	2-2-2018 @ 9:51 AM		
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			

If a Watercourse was Impacted, Describe Fully.*

RECEIVED

By Olivia Yu at 1:54 pm, Feb 06, 2018



Describe Cause of Problem and Remedial Action Taken.*

Leak was caused when equalizing the frac tanks and a manway was not sealed. The issue has been corrected and equipment has been returned to service.

Describe Area Affected and Cleanup Action Taken.*

The affected area is 30x20ft (measurements are subject to change with GPS tracking). Remediation will be completed in accordance with a remediation plan approved by the NMOCD and SLO.

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

Signature: 	OIL CONSERVATION DIVISION		
Printed Name: WADE DITTRICH	Approved by Environmental Specialist: 		
Title: ENVIRONMENTAL SPECIALIST	Approval Date: 2/6/2018	Expiration Date:	
E-mail Address: WADE.DITTRICH@OXY.COM	Conditions of Approval: see attached directive	Attached <input checked="" type="checkbox"/>	
Date: 2-6-18 Phone: 575-390-2828			

Attach Additional Sheets If Necessary

1RP-4957

nOY1803750274

pOY1803750591

Appendix B

Photographs

OXY USA, Inc. – Red Tank 30-31 State Com 24Y
Unit Letter "A" (NE/NE), Section 30, Township 22S, Range 33E



Release (Looking East-Southeast)



Release (Looking Southeast)

OXY USA, Inc. – Red Tank 30-31 State Com 24Y
Unit Letter “A” (NE/NE), Section 30, Township 22S, Range 33E



Release (Looking West-Southwest)



Release (Looking Northwest)

OXY USA, Inc. – Red Tank 30-31 State Com 24Y
Unit Letter “A” (NE/NE), Section 30, Township 22S, Range 33E



Release (Looking North)



Release (Looking West)

Appendix C

Closure Criteria Justification

**TABLE 3
CLOSURE CRITERIA JUSTIFICATION**

**OXY USA, INC.
RED TANK 30-31 ST COM 24Y
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #: 1RP-4957**



Groundwater, Water Wells & Other Water Sources	
Depth to groundwater (ft)?	465
Horizontal distance (ft) from all water sources within 0.5 miles?	N/A
Within 500' of a spring or a private, domestic fresh water well used by less than 5 households for domestic or stock watering purposes?	No
Within 1000' of any fresh water well or spring?	No
Surface Water	
Horizontal distance (ft) to nearest significant watercourse?	>1,000
Within 300' of any continuously flowing watercourse or any other significant watercourse?	No
Within 200' of any lakebed, sinkhole or playa lake?	No
Human-Occupied, Environmental & Other Areas	
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No
Within 300' of an occupied permanent residence, school, hospital, institution or church?	No
Within 300' of a wetland?	No
Within the area overlying a subsurface mine?	No
Within an unstable area?	No
Within a 100-year floodplain?	No

Closure Criteria (mg/kg)*				
Benzene	BTEX	GRO + DRO	TPH	Chloride
10	50	1,000	2,500	20,000

*Numerical limits or natural background level, whichever is greater

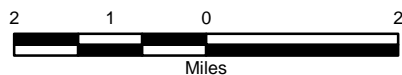
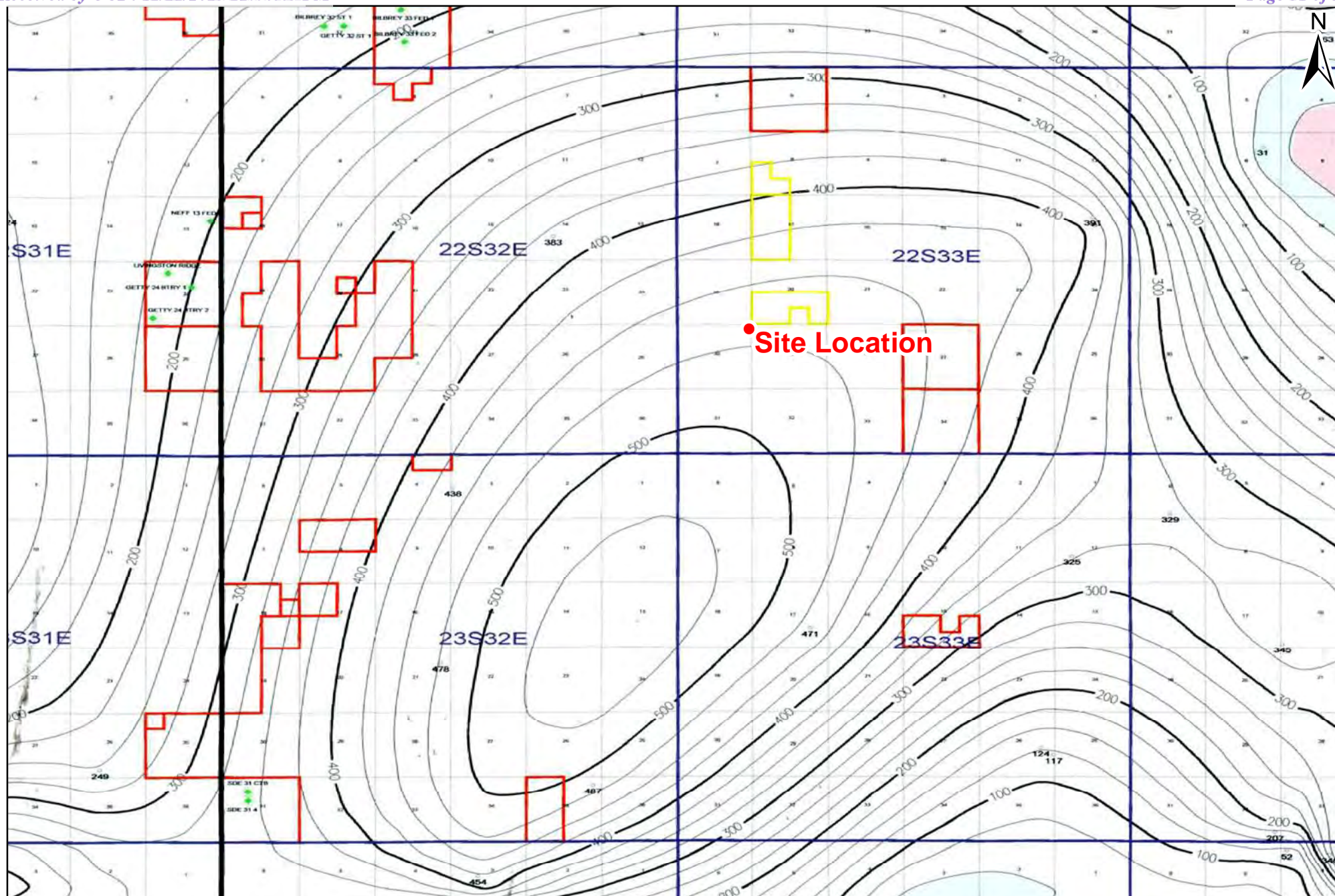
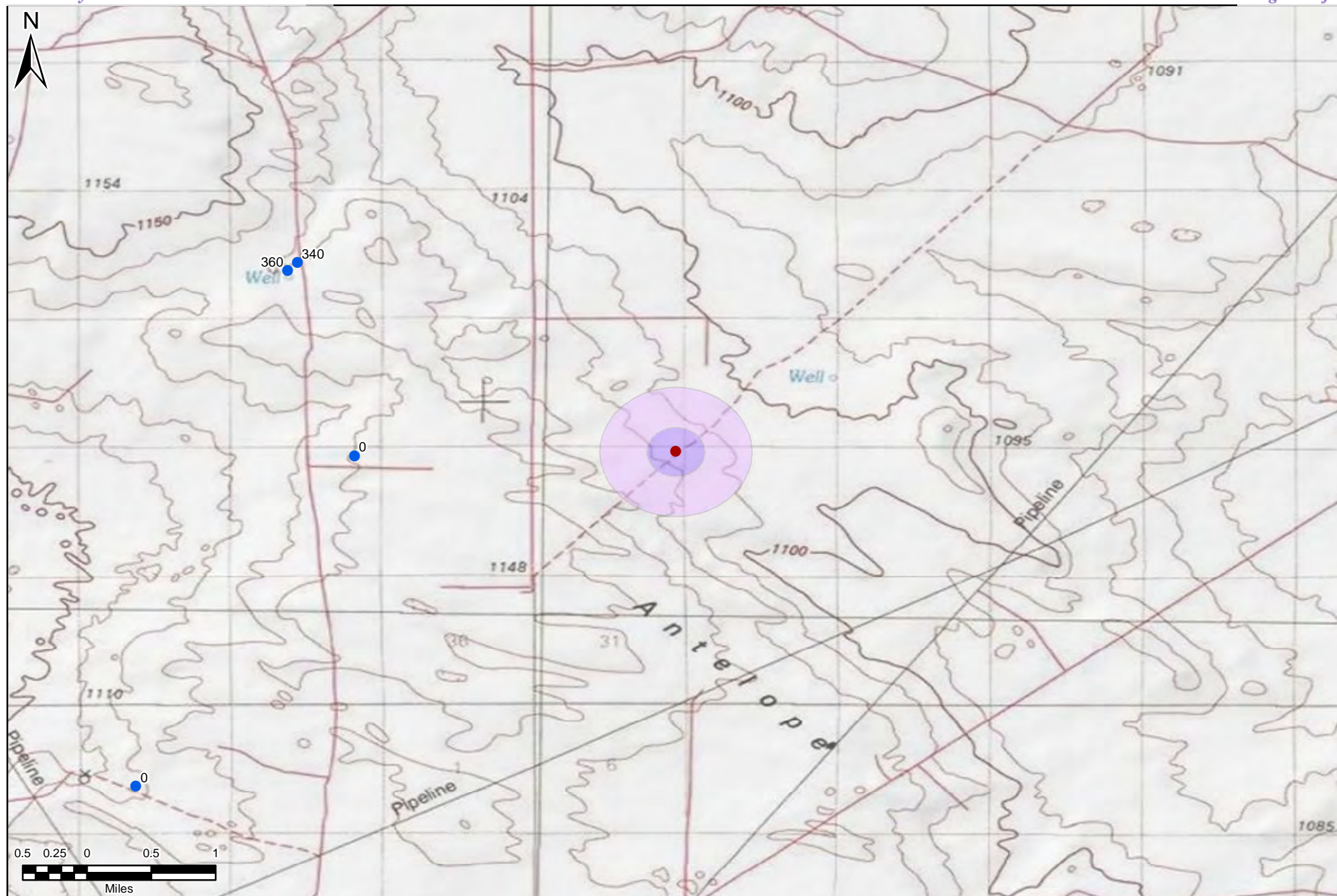


Figure 3
Depth-to-Groundwater Trend Map
OXY USA, Inc.
Red Tank 30-31 St Com 24Y
Lea County, New Mexico
NMOCD Reference #: 1RP-4957



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

Drawn By: BJA	Checked By: JEH
April 26, 2019	Scale: 1" = 2mi

**Legend**

- | | |
|--|---|
|  1,000-ft Radius |  Red Tank 30-31 St Com 24Y |
|  0.5-mi Radius |  NMOSE Depth to Water |

Figure 4
Vicinity & Wellhead Protection Area Map
OXY USA, Inc.
Red Tank 30-31 St Com 24Y
Lea County, New Mexico
NMOCD Reference #: 1RP-4957



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

Drawn By: BJA	Checked By: JEH
April 26, 2019	Scale: 1" = 1mi



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

No records found.

UTMNAD83 Radius Search (in meters):

Easting (X): 631340.25

Northing (Y): 3582253

Radius: 4023.4
(2.5 miles)

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

4/26/19 5:03 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

Appendix D

Laboratory Analytical Reports



Certificate of Analysis Summary 618715

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Red Tank 30-31 St. Com 24Y



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Mon Mar-25-19 07:35 am

Report Date: 04-APR-19

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	618715-001	618715-002	618715-003	618715-004	618715-005	618715-006
	<i>Field Id:</i>	SP-1 E. Wall @ 4'	SP-1 E. Floor @ 4'	SP-1 W. Wall @ 4'	SP-1 W. Floor @ 4'	SP-2 N. Wall @ 4'	SP-2 N. Floor @ 4'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-19-19 10:57	Mar-19-19 10:54	Mar-19-19 11:08	Mar-19-19 11:06	Mar-19-19 11:41	Mar-19-19 13:39
BTEX by EPA 8021B	<i>Extracted:</i>	Mar-29-19 16:00	Mar-29-19 16:00	Mar-28-19 17:00	Mar-28-19 17:00	Mar-28-19 17:00	Mar-28-19 17:00
	<i>Analyzed:</i>	Mar-29-19 22:12	Mar-29-19 22:31	Mar-29-19 08:04	Mar-29-19 08:23	Mar-29-19 08:42	Mar-29-19 09:01
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200
Toluene		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	0.00861 0.00200
Ethylbenzene		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	0.0369 0.00200
m,p-Xylenes		<0.00399 0.00399	<0.00400 0.00400	<0.00397 0.00397	<0.00398 0.00398	<0.00401 0.00401	0.190 0.00399
o-Xylene		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	0.140 0.00200
Total Xylenes		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	0.330 0.00200
Total BTEX		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	0.376 0.00200
Chloride by EPA 300	<i>Extracted:</i>	Mar-25-19 16:30	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40
	<i>Analyzed:</i>	Mar-26-19 02:03	Mar-26-19 10:28	Mar-26-19 10:48	Mar-26-19 10:55	Mar-26-19 11:01	Mar-26-19 11:08
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		28.3 5.00	196 4.99	7.42 4.96	226 5.03	6.95 4.95	263 5.02
TPH By SW8015 Mod	<i>Extracted:</i>	Mar-28-19 07:00	Mar-28-19 07:00	Mar-28-19 07:00	Mar-28-19 07:00	Mar-28-19 07:00	Mar-28-19 07:00
	<i>Analyzed:</i>	Mar-28-19 11:36	Mar-28-19 11:55	Mar-28-19 12:14	Mar-28-19 13:12	Mar-28-19 13:31	Mar-28-19 13:51
	<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)		<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	99.1 15.0
Diesel Range Organics (DRO)		<14.9 14.9	49.3 15.0	<15.0 15.0	64.2 15.0	<15.0 15.0	1400 15.0
Motor Oil Range Hydrocarbons (MRO)		<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	465 15.0
Total TPH		<14.9 14.9	49.3 15.0	<15.0 15.0	64.2 15.0	<15.0 15.0	1960 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 - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager



Certificate of Analysis Summary 618715

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Red Tank 30-31 St. Com 24Y



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Mon Mar-25-19 07:35 am

Report Date: 04-APR-19

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	618715-007	618715-008	618715-009	618715-010	618715-011	
	<i>Field Id:</i>	SP-3 S. Wall @ 4'	SP-3 S. Floor @ 4'	SP-4 Floor @ 3'	SP-5 Floor @ 3'	SP-6 Floor @ 3'	
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	
	<i>Sampled:</i>	Mar-19-19 12:40	Mar-19-19 12:39	Mar-19-19 13:14	Mar-19-19 13:17	Mar-19-19 13:20	
BTEX by EPA 8021B	<i>Extracted:</i>	Mar-28-19 17:00	Mar-28-19 17:00	Mar-28-19 17:00	Mar-28-19 17:00	Mar-28-19 17:00	
	<i>Analyzed:</i>	Mar-29-19 22:15	Mar-29-19 22:34	Mar-29-19 22:53	Mar-29-19 23:12	Mar-29-19 23:31	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Benzene		<0.00199 0.00199	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	
Toluene		<0.00199 0.00199	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	
Ethylbenzene		<0.00199 0.00199	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	
m,p-Xylenes		<0.00398 0.00398	<0.00397 0.00397	<0.00397 0.00397	<0.00398 0.00398	<0.00398 0.00398	
o-Xylene		<0.00199 0.00199	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	
Total Xylenes		<0.00199 0.00199	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	
Total BTEX		<0.00199 0.00199	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	
Chloride by EPA 300	<i>Extracted:</i>	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	
	<i>Analyzed:</i>	Mar-26-19 11:28	Mar-26-19 11:35	Mar-26-19 11:41	Mar-26-19 11:48	Mar-26-19 11:55	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		198 4.99	202 5.04	7.50 4.99	10.1 4.95	82.7 4.99	
TPH By SW8015 Mod	<i>Extracted:</i>	Mar-28-19 07:00	Mar-28-19 07:00	Mar-28-19 07:00	Mar-28-19 07:00	Mar-28-19 07:00	
	<i>Analyzed:</i>	Mar-28-19 14:11	Mar-28-19 14:30	Mar-28-19 14:51	Mar-28-19 15:11	Mar-28-19 15:31	
	<i>Units/RL:</i>	mg/kg 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	<15.0 15.0	
Diesel Range Organics (DRO)		<14.9 14.9	258 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	
Motor Oil Range Hydrocarbons (MRO)		<14.9 14.9	24.4 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	
Total TPH		<14.9 14.9	282 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	

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

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Analytical Report 618715

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Red Tank 30-31 St. Com 24Y

04-APR-19

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):

Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):

Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)

Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)

Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)

Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)

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), North Carolina (483)

Xenco-Lakeland: Florida (E84098)



04-APR-19

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

Reference: XENCO Report No(s): **618715**
Red Tank 30-31 St. Com 24Y
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) 618715. 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. 618715 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,

A handwritten signature in black ink that reads 'Holly Taylor'.

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 618715

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1 E. Wall @ 4'	S	03-19-19 10:57		618715-001
SP-1 E. Floor @ 4'	S	03-19-19 10:54		618715-002
SP-1 W. Wall @ 4'	S	03-19-19 11:08		618715-003
SP-1 W. Floor @ 4'	S	03-19-19 11:06		618715-004
SP-2 N. Wall @ 4'	S	03-19-19 11:41		618715-005
SP-2 N. Floor @ 4'	S	03-19-19 13:39		618715-006
SP-3 S. Wall @ 4'	S	03-19-19 12:40		618715-007
SP-3 S. Floor @ 4'	S	03-19-19 12:39		618715-008
SP-4 Floor @ 3'	S	03-19-19 13:14		618715-009
SP-5 Floor @ 3'	S	03-19-19 13:17		618715-010
SP-6 Floor @ 3'	S	03-19-19 13:20		618715-011



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Red Tank 30-31 St. Com 24Y

Project ID:

Work Order Number(s): 618715

Report Date: 04-APR-19

Date Received: 03/25/2019

Sample receipt non conformances and comments:

4/4/2019 1.001 Revised to correct Project ID per Ben Arguijo (email). HT

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3083870 BTEX by EPA 8021B

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

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected;

Samples affected are: 618714-014 S, 618714-014 SD, 618715-005, 618715-011, 618715-007, 618715-008, 618715-009, 618715-010, 618715-004, 618715-003, 618715-006.

Batch: LBA-3084057 BTEX by EPA 8021B

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



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-1 E. Wall @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-001

Date Collected: 03.19.19 10.57

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.25.19 16.30

Basis: Wet Weight

Seq Number: 3083327

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	28.3	5.00	mg/kg	03.26.19 02.03		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	03.28.19 11.36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	03.28.19 11.36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9	mg/kg	03.28.19 11.36	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	03.28.19 11.36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	92	%	70-135	03.28.19 11.36		
o-Terphenyl	84-15-1	94	%	70-135	03.28.19 11.36		



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-1 E. Wall @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-001

Date Collected: 03.19.19 10.57

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.29.19 22.12	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.29.19 22.12	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.29.19 22.12	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.29.19 22.12	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.29.19 22.12	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.29.19 22.12	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.29.19 22.12	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	95	%	70-130	03.29.19 22.12		
1,4-Difluorobenzene	540-36-3	86	%	70-130	03.29.19 22.12		



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-1 E. Floor @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-002

Date Collected: 03.19.19 10.54

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	196	4.99	mg/kg	03.26.19 10.28		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.28.19 11.55	U	1
Diesel Range Organics (DRO)	C10C28DRO	49.3	15.0	mg/kg	03.28.19 11.55		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.28.19 11.55	U	1
Total TPH	PHC635	49.3	15.0	mg/kg	03.28.19 11.55		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	03.28.19 11.55	
o-Terphenyl	84-15-1	92	%	70-135	03.28.19 11.55	



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-1 E. Floor @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-002

Date Collected: 03.19.19 10.54

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.29.19 22.31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.29.19 22.31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.29.19 22.31	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.29.19 22.31	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.29.19 22.31	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.29.19 22.31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.29.19 22.31	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	97	%	70-130	03.29.19 22.31		
4-Bromofluorobenzene	460-00-4	108	%	70-130	03.29.19 22.31		



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-1 W. Wall @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-003

Date Collected: 03.19.19 11.08

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7.42	4.96	mg/kg	03.26.19 10.48		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.28.19 12.14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.28.19 12.14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.28.19 12.14	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.28.19 12.14	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	100	%	70-135	03.28.19 12.14		
o-Terphenyl	84-15-1	99	%	70-135	03.28.19 12.14		



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-1 W. Wall @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-003

Date Collected: 03.19.19 11.08

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 03.28.19 17.00

Basis: Wet Weight

Seq Number: 3083870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.29.19 08.04	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.29.19 08.04	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.29.19 08.04	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.29.19 08.04	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.29.19 08.04	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.29.19 08.04	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.29.19 08.04	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	152	%	70-130	03.29.19 08.04	**	
1,4-Difluorobenzene	540-36-3	101	%	70-130	03.29.19 08.04		



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-1 W. Floor @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-004

Date Collected: 03.19.19 11.06

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	226	5.03	mg/kg	03.26.19 10.55		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.28.19 13.12	U	1
Diesel Range Organics (DRO)	C10C28DRO	64.2	15.0	mg/kg	03.28.19 13.12		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.28.19 13.12	U	1
Total TPH	PHC635	64.2	15.0	mg/kg	03.28.19 13.12		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	03.28.19 13.12	
o-Terphenyl	84-15-1	91	%	70-135	03.28.19 13.12	



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-1 W. Floor @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-004

Date Collected: 03.19.19 11.06

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 03.28.19 17.00

Basis: Wet Weight

Seq Number: 3083870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.29.19 08.23	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.29.19 08.23	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.29.19 08.23	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.29.19 08.23	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.29.19 08.23	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.29.19 08.23	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.29.19 08.23	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	149	%	70-130	03.29.19 08.23	**	
1,4-Difluorobenzene	540-36-3	101	%	70-130	03.29.19 08.23		



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-2 N. Wall @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-005

Date Collected: 03.19.19 11.41

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6.95	4.95	mg/kg	03.26.19 11.01		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.28.19 13.31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.28.19 13.31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.28.19 13.31	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.28.19 13.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-135	03.28.19 13.31	
o-Terphenyl	84-15-1	84	%	70-135	03.28.19 13.31	



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-2 N. Wall @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-005

Date Collected: 03.19.19 11.41

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 03.28.19 17.00

Basis: Wet Weight

Seq Number: 3083870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.29.19 08.42	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.29.19 08.42	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.29.19 08.42	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.29.19 08.42	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.29.19 08.42	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.29.19 08.42	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.29.19 08.42	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	147	%	70-130	03.29.19 08.42	**	
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.29.19 08.42		



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-2 N. Floor @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-006

Date Collected: 03.19.19 13.39

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	263	5.02	mg/kg	03.26.19 11.08		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	99.1	15.0	mg/kg	03.28.19 13.51		1
Diesel Range Organics (DRO)	C10C28DRO	1400	15.0	mg/kg	03.28.19 13.51		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	465	15.0	mg/kg	03.28.19 13.51		1
Total TPH	PHC635	1960	15.0	mg/kg	03.28.19 13.51		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	105	%	70-135	03.28.19 13.51		
o-Terphenyl	84-15-1	128	%	70-135	03.28.19 13.51		



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-2 N. Floor @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-006

Date Collected: 03.19.19 13.39

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 03.28.19 17.00

Basis: Wet Weight

Seq Number: 3083870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.29.19 09.01	U	1
Toluene	108-88-3	0.00861	0.00200	mg/kg	03.29.19 09.01		1
Ethylbenzene	100-41-4	0.0369	0.00200	mg/kg	03.29.19 09.01		1
m,p-Xylenes	179601-23-1	0.190	0.00399	mg/kg	03.29.19 09.01		1
o-Xylene	95-47-6	0.140	0.00200	mg/kg	03.29.19 09.01		1
Total Xylenes	1330-20-7	0.330	0.00200	mg/kg	03.29.19 09.01		1
Total BTEX		0.376	0.00200	mg/kg	03.29.19 09.01		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101		%	70-130	03.29.19 09.01	
4-Bromofluorobenzene	460-00-4	229		%	70-130	03.29.19 09.01	**



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-3 S. Wall @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-007

Date Collected: 03.19.19 12.40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	198	4.99	mg/kg	03.26.19 11.28		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	03.28.19 14.11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	03.28.19 14.11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9	mg/kg	03.28.19 14.11	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	03.28.19 14.11	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	97	%	70-135	03.28.19 14.11		
o-Terphenyl	84-15-1	96	%	70-135	03.28.19 14.11		



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-3 S. Wall @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-007

Date Collected: 03.19.19 12.40

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 03.28.19 17.00

Basis: Wet Weight

Seq Number: 3083870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.29.19 22.15	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.29.19 22.15	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.29.19 22.15	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.29.19 22.15	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.29.19 22.15	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.29.19 22.15	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.29.19 22.15	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	133	%	70-130	03.29.19 22.15	**	
1,4-Difluorobenzene	540-36-3	94	%	70-130	03.29.19 22.15		



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-3 S. Floor @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-008

Date Collected: 03.19.19 12.39

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	202	5.04	mg/kg	03.26.19 11.35		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.28.19 14.30	U	1
Diesel Range Organics (DRO)	C10C28DRO	258	15.0	mg/kg	03.28.19 14.30		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	24.4	15.0	mg/kg	03.28.19 14.30		1
Total TPH	PHC635	282	15.0	mg/kg	03.28.19 14.30		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-135	03.28.19 14.30	
o-Terphenyl	84-15-1	97	%	70-135	03.28.19 14.30	



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-3 S. Floor @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-008

Date Collected: 03.19.19 12.39

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 03.28.19 17.00

Basis: Wet Weight

Seq Number: 3083870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.29.19 22.34	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.29.19 22.34	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.29.19 22.34	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.29.19 22.34	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.29.19 22.34	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.29.19 22.34	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.29.19 22.34	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	98	%	70-130	03.29.19 22.34		
4-Bromofluorobenzene	460-00-4	132	%	70-130	03.29.19 22.34	**	



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

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

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-009

Date Collected: 03.19.19 13.14

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7.50	4.99	mg/kg	03.26.19 11.41		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.28.19 14.51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.28.19 14.51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.28.19 14.51	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.28.19 14.51	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	03.28.19 14.51	
o-Terphenyl	84-15-1	87	%	70-135	03.28.19 14.51	



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

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

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-009

Date Collected: 03.19.19 13.14

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 03.28.19 17.00

Basis: Wet Weight

Seq Number: 3083870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.29.19 22.53	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.29.19 22.53	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.29.19 22.53	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.29.19 22.53	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.29.19 22.53	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.29.19 22.53	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.29.19 22.53	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.29.19 22.53		
4-Bromofluorobenzene	460-00-4	146	%	70-130	03.29.19 22.53	**	



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-5 Floor @ 3'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-010

Date Collected: 03.19.19 13.17

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10.1	4.95	mg/kg	03.26.19 11.48		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.28.19 15.11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.28.19 15.11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.28.19 15.11	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.28.19 15.11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-135	03.28.19 15.11	
o-Terphenyl	84-15-1	83	%	70-135	03.28.19 15.11	



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-5 Floor @ 3'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-010

Date Collected: 03.19.19 13.17

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 03.28.19 17.00

Basis: Wet Weight

Seq Number: 3083870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.29.19 23.12	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.29.19 23.12	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.29.19 23.12	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.29.19 23.12	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.29.19 23.12	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.29.19 23.12	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.29.19 23.12	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	148	%	70-130	03.29.19 23.12	**	
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.29.19 23.12		



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-6 Floor @ 3'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-011

Date Collected: 03.19.19 13.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	82.7	4.99	mg/kg	03.26.19 11.55		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.28.19 15.31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.28.19 15.31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.28.19 15.31	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.28.19 15.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	03.28.19 15.31	
o-Terphenyl	84-15-1	95	%	70-135	03.28.19 15.31	



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-6 Floor @ 3'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-011

Date Collected: 03.19.19 13.20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 03.28.19 17.00

Basis: Wet Weight

Seq Number: 3083870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.29.19 23.31	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.29.19 23.31	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.29.19 23.31	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.29.19 23.31	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.29.19 23.31	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.29.19 23.31	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.29.19 23.31	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	150	%	70-130	03.29.19 23.31	**	
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.29.19 23.31		



Flagging Criteria



- 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 30-31 St. Com 24Y

Analytical Method: Chloride by EPA 300

Seq Number: 3083327

MB Sample Id: 7674284-1-BLK

Matrix: Solid

LCS Sample Id: 7674284-1-BKS

Prep Method: E300P

Date Prep: 03.25.19

LCSD Sample Id: 7674284-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	247	99	248	99	90-110	0	20	mg/kg	03.25.19 23:18	

Analytical Method: Chloride by EPA 300

Seq Number: 3083494

MB Sample Id: 7674320-1-BLK

Matrix: Solid

LCS Sample Id: 7674320-1-BKS

Prep Method: E300P

Date Prep: 03.26.19

LCSD Sample Id: 7674320-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	254	102	252	101	90-110	1	20	mg/kg	03.26.19 10:15	

Analytical Method: Chloride by EPA 300

Seq Number: 3083327

Parent Sample Id: 618713-034

Matrix: Soil

MS Sample Id: 618713-034 S

Prep Method: E300P

Date Prep: 03.25.19

MSD Sample Id: 618713-034 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	6.19	250	248	97	249	97	90-110	0	20	mg/kg	03.26.19 11:21	

Analytical Method: Chloride by EPA 300

Seq Number: 3083327

Parent Sample Id: 618714-009

Matrix: Soil

MS Sample Id: 618714-009 S

Prep Method: E300P

Date Prep: 03.25.19

MSD Sample Id: 618714-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	223	250	449	90	453	92	90-110	1	20	mg/kg	03.26.19 11:33	

Analytical Method: Chloride by EPA 300

Seq Number: 3083494

Parent Sample Id: 618715-002

Matrix: Soil

MS Sample Id: 618715-002 S

Prep Method: E300P

Date Prep: 03.26.19

MSD Sample Id: 618715-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	196	250	441	98	443	99	90-110	0	20	mg/kg	03.26.19 10:35	

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

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 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
Red Tank 30-31 St. Com 24Y

Analytical Method: Chloride by EPA 300

Seq Number: 3083494

Parent Sample Id: 618716-001

Matrix: Soil

MS Sample Id: 618716-001 S

Prep Method: E300P

Date Prep: 03.26.19

MSD Sample Id: 618716-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	12.7	250	315	121	340	131	90-110	8	20	mg/kg	03.26.19 12:08	X

Analytical Method: TPH By SW8015 Mod

Seq Number: 3083750

MB Sample Id: 7674566-1-BLK

Matrix: Solid

LCS Sample Id: 7674566-1-BKS

Prep Method: TX1005P

Date Prep: 03.28.19

LCSD Sample Id: 7674566-1-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)	<8.00	1000	939	94	945	95	70-135	1	20	mg/kg	03.28.19 08:06	
Diesel Range Organics (DRO)	<8.13	1000	958	96	981	98	70-135	2	20	mg/kg	03.28.19 08:06	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	94		127		126		70-135	%	03.28.19 08:06
o-Terphenyl	97		106		120		70-135	%	03.28.19 08:06

Analytical Method: TPH By SW8015 Mod

Seq Number: 3083750

Parent Sample Id: 619079-002

Matrix: Soil

MS Sample Id: 619079-002 S

Prep Method: TX1005P

Date Prep: 03.28.19

MSD Sample Id: 619079-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<7.99	999	1010	101	1020	102	70-135	1	20	mg/kg	03.28.19 09:22	
Diesel Range Organics (DRO)	<8.12	999	1030	103	1040	104	70-135	1	20	mg/kg	03.28.19 09:22	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	125		123		70-135	%	03.28.19 09:22
o-Terphenyl	119		113		70-135	%	03.28.19 09:22

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
Red Tank 30-31 St. Com 24Y

Analytical Method: BTEX by EPA 8021B

Seq Number: 3083870

MB Sample Id: 7674629-1-BLK

Matrix: Solid

LCS Sample Id: 7674629-1-BKS

Prep Method: SW5030B

Date Prep: 03.28.19

LCSD Sample Id: 7674629-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000386	0.100	0.102	102	0.105	105	70-130	3	35	mg/kg	03.29.19 04:17	
Toluene	<0.000457	0.100	0.100	100	0.103	103	70-130	3	35	mg/kg	03.29.19 04:17	
Ethylbenzene	<0.000567	0.100	0.107	107	0.110	110	70-130	3	35	mg/kg	03.29.19 04:17	
m,p-Xylenes	<0.00102	0.201	0.206	102	0.212	106	70-130	3	35	mg/kg	03.29.19 04:17	
o-Xylene	<0.000346	0.100	0.107	107	0.110	110	70-130	3	35	mg/kg	03.29.19 04:17	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		99		99		70-130	%	03.29.19 04:17
4-Bromofluorobenzene	122		130		128		70-130	%	03.29.19 04:17

Analytical Method: BTEX by EPA 8021B

Seq Number: 3084057

MB Sample Id: 7674756-1-BLK

Matrix: Solid

LCS Sample Id: 7674756-1-BKS

Prep Method: SW5030B

Date Prep: 03.29.19

LCSD Sample Id: 7674756-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0994	0.102	103	0.101	101	70-130	1	35	mg/kg	03.29.19 19:23	
Toluene	<0.000453	0.0994	0.105	106	0.104	104	70-130	1	35	mg/kg	03.29.19 19:23	
Ethylbenzene	<0.000561	0.0994	0.0998	100	0.0991	99	70-130	1	35	mg/kg	03.29.19 19:23	
m,p-Xylenes	<0.00101	0.199	0.202	102	0.202	101	70-130	0	35	mg/kg	03.29.19 19:23	
o-Xylene	<0.000342	0.0994	0.102	103	0.103	103	70-130	1	35	mg/kg	03.29.19 19:23	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	91		98		101		70-130	%	03.29.19 19:23
4-Bromofluorobenzene	86		94		107		70-130	%	03.29.19 19:23

Analytical Method: BTEX by EPA 8021B

Seq Number: 3083870

Parent Sample Id: 618714-014

Matrix: Soil

MS Sample Id: 618714-014 S

Prep Method: SW5030B

Date Prep: 03.28.19

MSD Sample Id: 618714-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0994	0.0919	92	0.0976	98	70-130	6	35	mg/kg	03.29.19 04:55	
Toluene	<0.000453	0.0994	0.0907	91	0.0946	95	70-130	4	35	mg/kg	03.29.19 04:55	
Ethylbenzene	<0.000561	0.0994	0.0967	97	0.0999	100	70-130	3	35	mg/kg	03.29.19 04:55	
m,p-Xylenes	<0.00101	0.199	0.189	95	0.193	97	70-130	2	35	mg/kg	03.29.19 04:55	
o-Xylene	<0.000342	0.0994	0.0992	100	0.101	101	70-130	2	35	mg/kg	03.29.19 04:55	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		103		70-130	%	03.29.19 04:55
4-Bromofluorobenzene	144	**	144	**	70-130	%	03.29.19 04:55

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
Red Tank 30-31 St. Com 24Y

Analytical Method: BTEX by EPA 8021B

Seq Number: 3084057

Parent Sample Id: 618714-015

Matrix: Soil

MS Sample Id: 618714-015 S

Prep Method: SW5030B

Date Prep: 03.29.19

MSD Sample Id: 618714-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0996	0.0799	80	0.0886	89	70-130	10	35	mg/kg	03.29.19 20:01	
Toluene	<0.000454	0.0996	0.0809	81	0.0906	91	70-130	11	35	mg/kg	03.29.19 20:01	
Ethylbenzene	<0.000563	0.0996	0.0726	73	0.0836	84	70-130	14	35	mg/kg	03.29.19 20:01	
m,p-Xylenes	<0.00101	0.199	0.146	73	0.169	85	70-130	15	35	mg/kg	03.29.19 20:01	
o-Xylene	<0.000343	0.0996	0.0745	75	0.0863	87	70-130	15	35	mg/kg	03.29.19 20:01	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		101		70-130	%	03.29.19 20:01
4-Bromofluorobenzene	107		106		70-130	%	03.29.19 20:01

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
 Tool-c

Page 1 of 2

LAB W.O # :

Field billable Hrs :

* Container Type Codes

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

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

^ Matrix Type Codes

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

REMARKS

Company: Trinity Oilfield Services & Rentals, LLC		Phone: (575)390-7208
Address: P.O. Box 2587		Fax:
City: Hobbs	State: NM	Zip: 88241

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

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

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

Project ID:	Red Tank 31 St. Corn 24Y	PO#:
-------------	--------------------------	------

Invoice To: Oxy - Wade Dittrich (575)390-2828 Charge Codes: OP57182239 1214877 01040502	Quote #:
--	----------

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

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ¹	Field Filtered	Integrity OK (Y/N)	Total # of
----------	-----------	--------------	--------------	--------------------------	----------------	--------------------	------------

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

1	SP-1 E. Wall @ 4'	3/19/19	1057	S			1		X	X	X						
2	SP-1 E. Floor @ 4'	3/19/19	1054	S			1		X	X	X						
3	SP-1 W. Wall @ 4'	3/19/19	1108	S			1		X	X	X						
4	SP-1 W. Floor @ 4'	3/19/19	1106	S			1		X	X	X						
5	SP-2 N. Wall @ 4'	3/19/19	1141	S			1		X	X	X						
6	SP-2 N. Floor @ 4'	3/19/19	1339	S			1		X	X	X						
7	SP-3 S. Wall @ 4'	3/19/19	1240	S			1		X	X	X						
8	SP-3 S. Floor @ 4'	3/19/19	1239	S			1		X	X	X						
9	SP-4 Floor @ 3'	3/19/19	1314	S			1		X	X	X						
0	SP-5 Floor @ 3'	3/19/19	1317	S			1		X	X	X						

Reg. Program / Clean-up Std						STATE for Certs & Regs						QA/QC Level & Certification						EDDs			COC & Labels		Coolers Temp °C						
CTLs	TRRP	DW	NPDES	LPST	DryCln	FL	TX	GA	NC	SC	NJ	PA	OK	1	2	3	4	CLP	AFCEE	QAPP	ADaPT	SEDD	ERPIMS	Match Absent	Incomplete Unclear	1	2	3	
Other:						LA AL NM Other:						NELAC DoD-ELAP Other:						XLS Other:											
1	Relinquished by					Affiliation					Date		Time		Received by			Affiliation		Date		Time							
1	John Klepper					Finity					03-20-19		4:28		Brittany Cox			MS		3/21/19		4:28							
2	Brittany Cox					MS					3/22/19		4:30		Baw			Knew		3/23/19		0735							
3																													
4																													

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

C.O.C. Serial #

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

Revision Date: Nov 12, 2009

1.001

Page 34 of 36

Released to Imaging: 12/22/2023 7:52:18 AM



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

```
;root-c
```

wissenschaftl. Arbeitsl. Berichterstatt. nicht

CHAIN OF CUSTODY RECORD

Page 2 of 2

LAB W.O # :

Field billable Hrs :

618715

* 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

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_2SO_4 G. $\text{Na}_2\text{S}_2\text{O}_3$ 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		

REMARKS

Company: Trinity Oilfield Services & Rentals, LLC						Phone: (575)390-7208		TAT Work Days = D Need results by: _____ Time: _____																	
Address: P.O. Box 2587						Fax:		Std (5-7D) 5Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other_____																	
City: Hobbs				State: NM		Zip: 88241		ANALYSES REQUESTED																	
PM/Attn: Ben J. Arguijo						Email: wade.dittrich@oxy.com & ben@trinityoilfieldservices.com		Cont Type * VC		GC	GC	GC													
Project ID: Red Tank 31 St. Com 24Y						PO#:		Pres Type**		I	I	I													
Invoice To: Oxy - Wade Dittrich (575)390-2828 Charge Codes: OP57182239 1214877 01040502						Quote #:		Example Volatiles by 8260		TPH 8015M	BTEX	Chloride													
Sampler Name: John Klepper				Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A				# Cont		Lab Only:															
Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field Filtered	Integrity OK (Y/N)	Total # of containers	# Cont												Hold Sample (CALL) Run PAH on Highest TPH Only if					
1	SP-6 Floor @ 3'	3/19/19	1320	S			1		X	X	X														
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
0																									
Reg Program / Clean-up Std				STATE for Certs & Regs				QA/QC Level & Certification				EDDs			COC & Labels		Coolers Temp °C		Lab Use Only		YES NO NA				
CTLs TRRP DW NPDES LPST DryCln Other:				FL TX GA NC SC NJ PA OK LA AL NM Other:				1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:				ADaPT SEDD ERPIMS XLS Other:			Match Incomplete Absent Unclear		1 2.7 3		Non-Conformances found? Samples intact upon arrival?		____ _				
Relinquished by				Affiliation				Date				Time				Received by				Affiliation		Date		Time	
1 John Klepper				Trinity				4:20				03-20-19				Brittany Cox				MS		3/21/19		4:30	
2 Brittany Cox				MSC				4:30																	
3																									
4																									
														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?											

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

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

C.O.C. Serial #

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

Revision Date: Nov 12, 2009

1.001

Page 35 of 36

Released to Imaging: 12/22/2023 7:52:18 AM



Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 03/25/2019 07:35:00 AM

Work Order #: 618715

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	2.7
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Brianna Teel

Date: 03/25/2019

Checklist reviewed by:

Holly Taylor

Date: 03/26/2019



Certificate of Analysis Summary 618716

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Red Tank 30-31 ST. Com 24Y



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Mon Mar-25-19 07:35 am

Report Date: 01-APR-19

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	618716-001	618716-002	618716-003	618716-004	618716-005	618716-006
	<i>Field Id:</i>	SP-1 E. Wall @ 1.5'	SP-1 W. Wall @ 1.5'	SP-2 N. Wall @ 1.5'	SP-3 S. Wall @ 1.5'	SP-4 NE. Wall @ 1.5'	SP-5 SE. Wall @ 1.5'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-22-19 09:25	Mar-22-19 09:27	Mar-22-19 09:31	Mar-22-19 09:30	Mar-22-19 09:36	Mar-22-19 09:47
BTEX by EPA 8021B	<i>Extracted:</i>	Mar-29-19 16:00	Mar-29-19 16:00	Mar-29-19 16:00	Mar-29-19 16:00	Mar-29-19 16:00	Mar-29-19 16:00
	<i>Analyzed:</i>	Mar-29-19 22:50	Mar-29-19 23:09	Mar-29-19 23:28	Mar-29-19 23:47	Mar-30-19 00:06	Mar-30-19 01:20
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Toluene		0.00428 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Ethylbenzene		<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
m,p-Xylenes		<0.00403 0.00403	<0.00402 0.00402	<0.00401 0.00401	<0.00398 0.00398	<0.00399 0.00399	<0.00397 0.00397
o-Xylene		<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Total Xylenes		<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Total BTEX		0.00428 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Chloride by EPA 300	<i>Extracted:</i>	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40
	<i>Analyzed:</i>	Mar-26-19 12:01	Mar-26-19 12:22	Mar-26-19 12:28	Mar-26-19 12:48	Mar-26-19 12:55	Mar-26-19 13:01
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		12.7 4.99	25.6 4.99	34.2 4.96	42.4 4.98	19.7 4.95	27.7 4.98
TPH By SW8015 Mod	<i>Extracted:</i>	Mar-29-19 07:00	Mar-29-19 07:00	Mar-29-19 07:00	Mar-29-19 10:00	Mar-28-19 07:00	Mar-26-19 16:00
	<i>Analyzed:</i>	Mar-29-19 20:06	Mar-29-19 20:25	Mar-29-19 20:44	Mar-29-19 23:36	Mar-28-19 15:51	Mar-27-19 08:20
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9
Total TPH		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9

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

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager



Certificate of Analysis Summary 618716

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Red Tank 30-31 ST. Com 24Y



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Mon Mar-25-19 07:35 am

Report Date: 01-APR-19

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	618716-007	618716-008	618716-009	618716-010	618716-011	
	<i>Field Id:</i>	SP-6 S. Wall @ 1.5'	SP-7 @ 1.5'	SP-7 @ 4'	SP-7 NW. Wall @ 1.5'	SP-7 NW. Wall @ 4'	
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	
	<i>Sampled:</i>	Mar-22-19 09:28	Mar-22-19 09:52	Mar-22-19 10:00	Mar-22-19 09:55	Mar-22-19 10:04	
BTEX by EPA 8021B	<i>Extracted:</i>	Mar-29-19 16:00	Mar-29-19 16:00	Mar-29-19 16:00	Mar-29-19 16:00	Mar-29-19 16:00	
	<i>Analyzed:</i>	Mar-30-19 01:39	Mar-30-19 01:58	Mar-30-19 02:17	Mar-30-19 02:36	Mar-30-19 02:55	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Benzene		<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198	
Toluene		<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198	
Ethylbenzene		<0.00200 0.00200	<0.00201 0.00201	0.0140 0.00199	<0.00200 0.00200	<0.00198 0.00198	
m,p-Xylenes		<0.00401 0.00401	<0.00402 0.00402	0.157 0.00398	<0.00399 0.00399	<0.00397 0.00397	
o-Xylene		<0.00200 0.00200	<0.00201 0.00201	0.147 0.00199	<0.00200 0.00200	<0.00198 0.00198	
Total Xylenes		<0.00200 0.00200	<0.00201 0.00201	0.304 0.00199	<0.00200 0.00200	<0.00198 0.00198	
Total BTEX		<0.00200 0.00200	<0.00201 0.00201	0.318 0.00199	<0.00200 0.00200	<0.00198 0.00198	
Chloride by EPA 300	<i>Extracted:</i>	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 09:00	
	<i>Analyzed:</i>	Mar-26-19 13:08	Mar-26-19 13:15	Mar-26-19 13:21	Mar-26-19 13:28	Mar-26-19 09:33	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		26.2 5.02	26.2 4.96	37.5 4.96	21.0 5.01	<5.04 5.04	
TPH By SW8015 Mod	<i>Extracted:</i>	Mar-26-19 16:00	Mar-26-19 16:00	Mar-26-19 16:00	Mar-26-19 16:00	Mar-26-19 16:00	
	<i>Analyzed:</i>	Mar-27-19 08:39	Mar-27-19 08:59	Mar-27-19 09:18	Mar-27-19 09:38	Mar-27-19 09:57	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	68.8 15.0	<15.0 15.0	<15.0 15.0	
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	1290 15.0	<15.0 15.0	<15.0 15.0	
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	<15.0 15.0	402 15.0	<15.0 15.0	<15.0 15.0	
Total TPH		<15.0 15.0	<15.0 15.0	1760 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 - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Analytical Report 618716

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Red Tank 30-31 ST. Com 24Y

01-APR-19

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
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), North Carolina (483)
Xenco-Lakeland: Florida (E84098)



01-APR-19

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

Reference: XENCO Report No(s): **618716**
Red Tank 30-31 ST. Com 24Y
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) 618716. 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. 618716 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,

A handwritten signature in black ink that reads 'Holly Taylor'.

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 618716

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1 E. Wall @ 1.5'	S	03-22-19 09:25		618716-001
SP-1 W. Wall @ 1.5'	S	03-22-19 09:27		618716-002
SP-2 N. Wall @ 1.5'	S	03-22-19 09:31		618716-003
SP-3 S. Wall @ 1.5'	S	03-22-19 09:30		618716-004
SP-4 NE. Wall @ 1.5'	S	03-22-19 09:36		618716-005
SP-5 SE. Wall @ 1.5'	S	03-22-19 09:47		618716-006
SP-6 S. Wall @ 1.5'	S	03-22-19 09:28		618716-007
SP-7 @ 1.5'	S	03-22-19 09:52		618716-008
SP-7 @ 4'	S	03-22-19 10:00		618716-009
SP-7 NW. Wall @ 1.5'	S	03-22-19 09:55		618716-010
SP-7 NW. Wall @ 4'	S	03-22-19 10:04		618716-011



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Red Tank 30-31 ST. Com 24Y

Project ID:

Work Order Number(s): 618716

Report Date: 01-APR-19

Date Received: 03/25/2019

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3083494 Chloride by EPA 300

Lab Sample ID 618716-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 618716-001, -002, -003, -004, -005, -006, -007, -008, -009, -010.

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

Batch: LBA-3084057 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.

Samples affected are: 618716-009.

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



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-1 E. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-001

Date Collected: 03.22.19 09.25

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12.7	4.99	mg/kg	03.26.19 12.01		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.29.19 07.00

Basis: Wet Weight

Seq Number: 3084046

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.29.19 20.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.29.19 20.06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.29.19 20.06	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.29.19 20.06	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	90	%	70-135	03.29.19 20.06		
o-Terphenyl	84-15-1	92	%	70-135	03.29.19 20.06		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-1 E. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-001

Date Collected: 03.22.19 09.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.29.19 22.50	U	1
Toluene	108-88-3	0.00428	0.00202	mg/kg	03.29.19 22.50		1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.29.19 22.50	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.29.19 22.50	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.29.19 22.50	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.29.19 22.50	U	1
Total BTEX		0.00428	0.00202	mg/kg	03.29.19 22.50		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.29.19 22.50		
4-Bromofluorobenzene	460-00-4	112	%	70-130	03.29.19 22.50		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-1 W. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-002

Date Collected: 03.22.19 09.27

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	25.6	4.99	mg/kg	03.26.19 12.22		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.29.19 07.00

Basis: Wet Weight

Seq Number: 3084046

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.29.19 20.25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.29.19 20.25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.29.19 20.25	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.29.19 20.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	03.29.19 20.25	
o-Terphenyl	84-15-1	91	%	70-135	03.29.19 20.25	



Certificate of Analytical Results 618716

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: SP-1 W. Wall @ 1.5'

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-002

Date Collected: 03.22.19 09.27

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.29.19 23.09	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.29.19 23.09	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.29.19 23.09	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.29.19 23.09	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.29.19 23.09	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.29.19 23.09	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.29.19 23.09	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	99	%	70-130	03.29.19 23.09		
4-Bromofluorobenzene	460-00-4	107	%	70-130	03.29.19 23.09		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-2 N. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-003

Date Collected: 03.22.19 09.31

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	34.2	4.96	mg/kg	03.26.19 12.28		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.29.19 07.00

Basis: Wet Weight

Seq Number: 3084046

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.29.19 20.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.29.19 20.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.29.19 20.44	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.29.19 20.44	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	90	%	70-135	03.29.19 20.44		
o-Terphenyl	84-15-1	91	%	70-135	03.29.19 20.44		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-2 N. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-003

Date Collected: 03.22.19 09.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.29.19 23.28	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.29.19 23.28	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.29.19 23.28	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.29.19 23.28	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.29.19 23.28	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.29.19 23.28	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.29.19 23.28	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	98	%	70-130	03.29.19 23.28		
4-Bromofluorobenzene	460-00-4	107	%	70-130	03.29.19 23.28		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-3 S. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-004

Date Collected: 03.22.19 09.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	42.4	4.98	mg/kg	03.26.19 12.48		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.29.19 10.00

Basis: Wet Weight

Seq Number: 3084047

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.29.19 23.36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.29.19 23.36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.29.19 23.36	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.29.19 23.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	03.29.19 23.36	
o-Terphenyl	84-15-1	92	%	70-135	03.29.19 23.36	



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-3 S. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-004

Date Collected: 03.22.19 09.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.29.19 23.47	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.29.19 23.47	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.29.19 23.47	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.29.19 23.47	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.29.19 23.47	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.29.19 23.47	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.29.19 23.47	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	110	%	70-130	03.29.19 23.47		
1,4-Difluorobenzene	540-36-3	99	%	70-130	03.29.19 23.47		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-4 NE. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-005

Date Collected: 03.22.19 09.36

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	19.7	4.95	mg/kg	03.26.19 12.55		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.28.19 15.51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.28.19 15.51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.28.19 15.51	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.28.19 15.51	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	92	%	70-135	03.28.19 15.51		
o-Terphenyl	84-15-1	94	%	70-135	03.28.19 15.51		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-4 NE. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-005

Date Collected: 03.22.19 09.36

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.19 00.06	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.19 00.06	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.19 00.06	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.30.19 00.06	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.19 00.06	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.19 00.06	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.19 00.06	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	98	%	70-130	03.30.19 00.06		
4-Bromofluorobenzene	460-00-4	105	%	70-130	03.30.19 00.06		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-5 SE. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-006

Date Collected: 03.22.19 09.47

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	27.7	4.98	mg/kg	03.26.19 13.01		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.26.19 16.00

Basis: Wet Weight

Seq Number: 3083540

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	03.27.19 08.20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	03.27.19 08.20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9	mg/kg	03.27.19 08.20	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	03.27.19 08.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-135	03.27.19 08.20	
o-Terphenyl	84-15-1	81	%	70-135	03.27.19 08.20	



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-5 SE. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-006

Date Collected: 03.22.19 09.47

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.30.19 01.20	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.30.19 01.20	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.30.19 01.20	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.30.19 01.20	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.30.19 01.20	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.30.19 01.20	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.30.19 01.20	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	101	%	70-130	03.30.19 01.20		
1,4-Difluorobenzene	540-36-3	97	%	70-130	03.30.19 01.20		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-6 S. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-007

Date Collected: 03.22.19 09.28

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	26.2	5.02	mg/kg	03.26.19 13.08		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.26.19 16.00

Basis: Wet Weight

Seq Number: 3083540

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.27.19 08.39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.27.19 08.39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.27.19 08.39	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.27.19 08.39	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-135	03.27.19 08.39	
o-Terphenyl	84-15-1	83	%	70-135	03.27.19 08.39	



Certificate of Analytical Results 618716

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: SP-6 S. Wall @ 1.5'

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-007

Date Collected: 03.22.19 09.28

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.19 01.39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.19 01.39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.19 01.39	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.30.19 01.39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.19 01.39	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.19 01.39	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.19 01.39	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	100	%	70-130	03.30.19 01.39		
1,4-Difluorobenzene	540-36-3	97	%	70-130	03.30.19 01.39		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-7 @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-008

Date Collected: 03.22.19 09.52

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	26.2	4.96	mg/kg	03.26.19 13.15		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.26.19 16.00

Basis: Wet Weight

Seq Number: 3083540

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.27.19 08.59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.27.19 08.59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.27.19 08.59	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.27.19 08.59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-135	03.27.19 08.59	
o-Terphenyl	84-15-1	82	%	70-135	03.27.19 08.59	



Certificate of Analytical Results 618716

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: SP-7 @ 1.5'

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-008

Date Collected: 03.22.19 09.52

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.30.19 01.58	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.30.19 01.58	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.30.19 01.58	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.30.19 01.58	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.30.19 01.58	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.30.19 01.58	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.30.19 01.58	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	106	%	70-130	03.30.19 01.58		
1,4-Difluorobenzene	540-36-3	99	%	70-130	03.30.19 01.58		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-7 @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-009

Date Collected: 03.22.19 10.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	37.5	4.96	mg/kg	03.26.19 13.21		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.26.19 16.00

Basis: Wet Weight

Seq Number: 3083540

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	68.8	15.0	mg/kg	03.27.19 09.18		1
Diesel Range Organics (DRO)	C10C28DRO	1290	15.0	mg/kg	03.27.19 09.18		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	402	15.0	mg/kg	03.27.19 09.18		1
Total TPH	PHC635	1760	15.0	mg/kg	03.27.19 09.18		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	89	%	70-135	03.27.19 09.18		
o-Terphenyl	84-15-1	114	%	70-135	03.27.19 09.18		



Certificate of Analytical Results 618716

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-7 @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-009

Date Collected: 03.22.19 10.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.30.19 02.17	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.30.19 02.17	U	1
Ethylbenzene	100-41-4	0.0140	0.00199	mg/kg	03.30.19 02.17		1
m,p-Xylenes	179601-23-1	0.157	0.00398	mg/kg	03.30.19 02.17		1
o-Xylene	95-47-6	0.147	0.00199	mg/kg	03.30.19 02.17		1
Total Xylenes	1330-20-7	0.304	0.00199	mg/kg	03.30.19 02.17		1
Total BTEX		0.318	0.00199	mg/kg	03.30.19 02.17		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97		%	70-130	03.30.19 02.17	
4-Bromofluorobenzene	460-00-4	162		%	70-130	03.30.19 02.17	**



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-7 NW. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-010

Date Collected: 03.22.19 09.55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	21.0	5.01	mg/kg	03.26.19 13.28		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.26.19 16.00

Basis: Wet Weight

Seq Number: 3083540

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.27.19 09.38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.27.19 09.38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.27.19 09.38	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.27.19 09.38	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	80	%	70-135	03.27.19 09.38		
o-Terphenyl	84-15-1	79	%	70-135	03.27.19 09.38		



Certificate of Analytical Results 618716

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-7 NW. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-010

Date Collected: 03.22.19 09.55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.19 02.36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.19 02.36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.19 02.36	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.30.19 02.36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.19 02.36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.19 02.36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.19 02.36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	112	%	70-130	03.30.19 02.36		
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.30.19 02.36		



Certificate of Analytical Results 618716

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: SP-7 NW. Wall @ 4'

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-011

Date Collected: 03.22.19 10.04

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 09.00

Basis: Wet Weight

Seq Number: 3083390

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.04	5.04	mg/kg	03.26.19 09.33	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.26.19 16.00

Basis: Wet Weight

Seq Number: 3083540

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.27.19 09.57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.27.19 09.57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.27.19 09.57	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.27.19 09.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-135	03.27.19 09.57	
o-Terphenyl	84-15-1	83	%	70-135	03.27.19 09.57	



Certificate of Analytical Results 618716

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: SP-7 NW. Wall @ 4'

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-011

Date Collected: 03.22.19 10.04

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.30.19 02.55	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.30.19 02.55	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.30.19 02.55	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.30.19 02.55	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.30.19 02.55	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.30.19 02.55	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.30.19 02.55	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	107	%	70-130	03.30.19 02.55		
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.30.19 02.55		



Flagging Criteria



- 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 30-31 ST. Com 24Y

Analytical Method: Chloride by EPA 300

Seq Number: 3083494

MB Sample Id: 7674320-1-BLK

Matrix: Solid

LCS Sample Id: 7674320-1-BKS

Prep Method: E300P

Date Prep: 03.26.19

LCSD Sample Id: 7674320-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	254	102	252	101	90-110	1	20	mg/kg	03.26.19 10:15	

Analytical Method: Chloride by EPA 300

Seq Number: 3083390

MB Sample Id: 7674322-1-BLK

Matrix: Solid

LCS Sample Id: 7674322-1-BKS

Prep Method: E300P

Date Prep: 03.26.19

LCSD Sample Id: 7674322-1-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	245	98	245	98	90-110	0	20	mg/kg	03.26.19 09:22	

Analytical Method: Chloride by EPA 300

Seq Number: 3083494

Parent Sample Id: 618715-002

Matrix: Soil

MS Sample Id: 618715-002 S

Prep Method: E300P

Date Prep: 03.26.19

MSD Sample Id: 618715-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	196	250	441	98	443	99	90-110	0	20	mg/kg	03.26.19 10:35	

Analytical Method: Chloride by EPA 300

Seq Number: 3083494

Parent Sample Id: 618716-001

Matrix: Soil

MS Sample Id: 618716-001 S

Prep Method: E300P

Date Prep: 03.26.19

MSD Sample Id: 618716-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	12.7	250	315	121	340	131	90-110	8	20	mg/kg	03.26.19 12:08	X

Analytical Method: Chloride by EPA 300

Seq Number: 3083390

Parent Sample Id: 618716-011

Matrix: Soil

MS Sample Id: 618716-011 S

Prep Method: E300P

Date Prep: 03.26.19

MSD Sample Id: 618716-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	4.46	252	253	99	251	98	90-110	1	20	mg/kg	03.26.19 09:39	

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

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 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
Red Tank 30-31 ST. Com 24Y

Analytical Method: TPH By SW8015 Mod

Seq Number: 3083540

MB Sample Id: 7674391-1-BLK

Matrix: Solid

LCS Sample Id: 7674391-1-BKS

Prep Method: TX1005P

Date Prep: 03.26.19

LCSD Sample Id: 7674391-1-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)	<8.00	1000	898	90	937	94	70-135	4	20	mg/kg	03.27.19 01:54	
Diesel Range Organics (DRO)	<8.13	1000	992	99	1040	104	70-135	5	20	mg/kg	03.27.19 01:54	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	88		122		114		70-135	%	03.27.19 01:54			
o-Terphenyl	90		104		104		70-135	%	03.27.19 01:54			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3083750

MB Sample Id: 7674566-1-BLK

Matrix: Solid

LCS Sample Id: 7674566-1-BKS

Prep Method: TX1005P

Date Prep: 03.28.19

LCSD Sample Id: 7674566-1-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)	<8.00	1000	939	94	945	95	70-135	1	20	mg/kg	03.28.19 08:06	
Diesel Range Organics (DRO)	<8.13	1000	958	96	981	98	70-135	2	20	mg/kg	03.28.19 08:06	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	94		127		126		70-135	%	03.28.19 08:06			
o-Terphenyl	97		106		120		70-135	%	03.28.19 08:06			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3084046

MB Sample Id: 7674697-1-BLK

Matrix: Solid

LCS Sample Id: 7674697-1-BKS

Prep Method: TX1005P

Date Prep: 03.29.19

LCSD Sample Id: 7674697-1-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)	<8.00	1000	905	91	940	94	70-135	4	20	mg/kg	03.29.19 12:27	
Diesel Range Organics (DRO)	<8.13	1000	1000	100	1030	103	70-135	3	20	mg/kg	03.29.19 12:27	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	93		122		124		70-135	%	03.29.19 12:27			
o-Terphenyl	97		120		117		70-135	%	03.29.19 12:27			

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
Red Tank 30-31 ST. Com 24Y

Analytical Method: TPH By SW8015 Mod

Seq Number: 3084047

MB Sample Id: 7674698-1-BLK

Matrix: Solid

LCS Sample Id: 7674698-1-BKS

Prep Method: TX1005P

Date Prep: 03.29.19

LCSD Sample Id: 7674698-1-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)	<8.00	1000	958	96	924	92	70-135	4	20	mg/kg	03.29.19 21:42	
Diesel Range Organics (DRO)	<8.13	1000	1050	105	1020	102	70-135	3	20	mg/kg	03.29.19 21:42	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	94		122		122		70-135	%	03.29.19 21:42
o-Terphenyl	97		117		104		70-135	%	03.29.19 21:42

Analytical Method: TPH By SW8015 Mod

Seq Number: 3083540

Parent Sample Id: 618909-001

Matrix: Soil

MS Sample Id: 618909-001 S

Prep Method: TX1005P

Date Prep: 03.26.19

MSD Sample Id: 618909-001 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)	<7.98	997	824	83	845	85	70-135	3	20	mg/kg	03.27.19 02:52	
Diesel Range Organics (DRO)	<8.10	997	931	93	957	96	70-135	3	20	mg/kg	03.27.19 02:52	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	102		101		70-135	%	03.27.19 02:52
o-Terphenyl	87		89		70-135	%	03.27.19 02:52

Analytical Method: TPH By SW8015 Mod

Seq Number: 3083750

Parent Sample Id: 619079-002

Matrix: Soil

MS Sample Id: 619079-002 S

Prep Method: TX1005P

Date Prep: 03.28.19

MSD Sample Id: 619079-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<7.99	999	1010	101	1020	102	70-135	1	20	mg/kg	03.28.19 09:22	
Diesel Range Organics (DRO)	<8.12	999	1030	103	1040	104	70-135	1	20	mg/kg	03.28.19 09:22	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	125		123		70-135	%	03.28.19 09:22
o-Terphenyl	119		113		70-135	%	03.28.19 09:22

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
Red Tank 30-31 ST. Com 24Y

Analytical Method: TPH By SW8015 Mod

Seq Number: 3084046

Parent Sample Id: 618714-001

Matrix: Soil

MS Sample Id: 618714-001 S

Prep Method: TX1005P

Date Prep: 03.29.19

MSD Sample Id: 618714-001 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)	8.16	997	912	91	915	91	70-135	0	20	mg/kg	03.29.19 13:24	
Diesel Range Organics (DRO)	<8.10	997	932	93	939	94	70-135	1	20	mg/kg	03.29.19 13:24	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	119		119		70-135	%	03.29.19 13:24
o-Terphenyl	111		109		70-135	%	03.29.19 13:24

Analytical Method: TPH By SW8015 Mod

Seq Number: 3084047

Parent Sample Id: 618899-001

Matrix: Soil

MS Sample Id: 618899-001 S

Prep Method: TX1005P

Date Prep: 03.29.19

MSD Sample Id: 618899-001 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)	8.95	998	972	96	969	96	70-135	0	20	mg/kg	03.29.19 22:39	
Diesel Range Organics (DRO)	<8.11	998	988	99	982	98	70-135	1	20	mg/kg	03.29.19 22:39	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	125		122		70-135	%	03.29.19 22:39
o-Terphenyl	100		99		70-135	%	03.29.19 22:39

Analytical Method: BTEX by EPA 8021B

Seq Number: 3084057

MB Sample Id: 7674756-1-BLK

Matrix: Solid

LCS Sample Id: 7674756-1-BKS

Prep Method: SW5030B

Date Prep: 03.29.19

LCSD Sample Id: 7674756-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0994	0.102	103	0.101	101	70-130	1	35	mg/kg	03.29.19 19:23	
Toluene	<0.000453	0.0994	0.105	106	0.104	104	70-130	1	35	mg/kg	03.29.19 19:23	
Ethylbenzene	<0.000561	0.0994	0.0998	100	0.0991	99	70-130	1	35	mg/kg	03.29.19 19:23	
m,p-Xylenes	<0.00101	0.199	0.202	102	0.202	101	70-130	0	35	mg/kg	03.29.19 19:23	
o-Xylene	<0.000342	0.0994	0.102	103	0.103	103	70-130	1	35	mg/kg	03.29.19 19:23	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	91		98		101		70-130	%	03.29.19 19:23
4-Bromofluorobenzene	86		94		107		70-130	%	03.29.19 19:23

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
Red Tank 30-31 ST. Com 24Y

Analytical Method: BTEX by EPA 8021B

Seq Number: 3084057

Parent Sample Id: 618714-015

Matrix: Soil

MS Sample Id: 618714-015 S

Prep Method: SW5030B

Date Prep: 03.29.19

MSD Sample Id: 618714-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0996	0.0799	80	0.0886	89	70-130	10	35	mg/kg	03.29.19 20:01	
Toluene	<0.000454	0.0996	0.0809	81	0.0906	91	70-130	11	35	mg/kg	03.29.19 20:01	
Ethylbenzene	<0.000563	0.0996	0.0726	73	0.0836	84	70-130	14	35	mg/kg	03.29.19 20:01	
m,p-Xylenes	<0.00101	0.199	0.146	73	0.169	85	70-130	15	35	mg/kg	03.29.19 20:01	
o-Xylene	<0.000343	0.0996	0.0745	75	0.0863	87	70-130	15	35	mg/kg	03.29.19 20:01	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		101		70-130	%	03.29.19 20:01
4-Bromofluorobenzene	107		106		70-130	%	03.29.19 20:01

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

Page 125 of 278
Received by OCD: 12/21/2023 12:04:43 PM
Released to Imaging: 12/22/2023 3:32:18 AM



CHAIN OF CUSTODY RECORD

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

Page 1 of 2

LAB W.O #:

Field billable Hrs:

1018714

* Container Type Codes

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

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

** Preservative Type Codes

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

^ Matrix Type Codes

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

REMARKS

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 30-31 St. Com 24Y	PO#:	
Invoice To:	Oxy - Wade Dittrich (575)390-2828	Quote #:	
	Charge Codes: OP57182239 1214877 01040502		
Sampler Name:	John Klepper	Circle One Event:	Daily Weekly Monthly
		Quarterly Semi-Annual Annual N/A	

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code	Field Filtered	Field Integrity	OK (Y/N)	Total # of containers
1	SP-1 E. Wall @ 1.5'	3/22/19	0925	S				1
2	SP-1 W. Wall @ 1.5'	3/22/19	0927	S				1
3	SP-2 N. Wall @ 1.5'	3/22/19	0931	S				1
4	SP-3 S. Wall @ 1.5'	3/22/19	0930	S				1
5	SP-4 NE Wall @ 1.5'	3/22/19	0936	S				1
6	SP-5 SE Wall @ 1.5'	3/22/19	0947	S				1
7	SP-6 S. Wall @ 1.5'	3/22/19	0928	S				1
8	SP-7 @ 1.5'	3/22/19	0952	S				1
9	SP-7 @ 4'	3/22/19	1000	S				1
0	SP-7 NW Wall @ 1.5'	3/22/19	0955	S				1

Reg. Program / Clean-up Std	STATE for Certs & Regs	QA/QC Level & Certification	EDDs	COC & Labels	Coolers Temp °C	Lab Use Only	YES NO N
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 1.3 2 3	Non-Conformances found? Samples intact upon arrival? Received on Wet Ice? Labeled with proper preservatives? Received within holding time? Custody seals intact? VOCs rec'd w/o headspace? Proper containers used? pH verified-acceptable, excl VOCs? Received on time to meet HTs?	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____
Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
John Klepper	Trinity	03/22/19	3:00	Brittany Cox	MS	3/22/19	3:00
Brittany Cox	MS	3/22/19	3:00	Basel	Xenco	3/25/19	0735
3							
4							

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

C.O.C. Serial #

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

Revision Date: Nov 12, 2009

Final 1.000

Page 35 of 37



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

Page 2 of 2

LAB W.O # :

Field billable Hrs :

CHAIN OF CUSTODY RECORD

* 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

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_2SO_4 G. $\text{Na}_2\text{S}_2\text{O}_3$ K. ZnAc&NaOH
D. NaOH H. NaHSO_4 L. Asbc Acid&NaOH

^ Matrix Type Codes

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

REMARKS

Company: Trinity Oilfield Services & Rentals, LLC						Phone: (575)390-7208					
Address: P.O. Box 2587						Fax:					
City: Hobbs				State: NM		Zip: 88241					
PM/Attn: Ben J. Arguijo				Email: wade.dittrich@oxy.com & ben@trinityoilfieldservices.com							
Project ID: Red Tank 30-31 St. Com 24Y				PO#:							
Invoice To: Oxy - Wade Dittrich (575)390-2828 Charge Codes: OP57182239 1214877 01040502				Quote #:							
Sampler Name: John Klepper				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				
# Cont											
1	SP-7 NW Wall @ 4'	3/22/19	1004	S			1				
2											
3											
4											
5											
6											
7											
8											
9											
0											
Reg. Program / Clean-up Std		STATE for Certs & Regs		QA/QC Level & Certification		EDDs		COC & Labels	Coolers Temp °C	Lab Use Only	YES NO NA
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 1.32 3	Non-Conformances found? Samples intact upon arrival?	
Relinquished by		Affiliation		Date	Time	Received by		Affiliation	Date	Time	
John Klepper		Trinity		03/22/19	3:00	Brittany Cox MS		Xenico	3/22/19	3:00	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?
Brittany Cox		MS		3/22/19	3:00				3/25/19	0735	

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

C.O.C. Serial #

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

Revision Date: Nov 12, 2009

Final 1.000

Page 36 of 37

Released to Imaging: 12/22/2023 7:52:18 AM



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 03/25/2019 07:35:00 AM

Work Order #: 618716

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	2.7
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Brianna Teel

Date: 03/25/2019

Checklist reviewed by:

Holly Taylor

Date: 03/26/2019



Certificate of Analysis Summary 621047

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Red Tank 30-31 St. Com 24Y

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Mon Apr-15-19 07:45 am

Report Date: 22-APR-19

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	621047-001	621047-002				
	Field Id:	SP-2 @ 5'	SP-2 @ 6.5'				
	Depth:						
	Matrix:	SOIL	SOIL				
	Sampled:	Apr-10-19 14:30	Apr-11-19 14:55				
BTEX by EPA 8021B	Extracted:	Apr-17-19 13:00	Apr-18-19 16:30				
	Analyzed:	Apr-18-19 03:54	Apr-18-19 23:54				
	Units/RL:	mg/kg RL	mg/kg RL				
Benzene		<0.00200 0.00200	<0.00202 0.00202				
Toluene		<0.00200 0.00200	<0.00202 0.00202				
Ethylbenzene		<0.00200 0.00200	<0.00202 0.00202				
m,p-Xylenes		<0.00401 0.00401	<0.00403 0.00403				
o-Xylene		<0.00200 0.00200	<0.00202 0.00202				
Total Xylenes		<0.00200 0.00200	<0.00202 0.00202				
Total BTEX		<0.00200 0.00200	<0.00202 0.00202				
Chloride by EPA 300	Extracted:	Apr-19-19 08:30	Apr-19-19 08:30				
	Analyzed:	Apr-19-19 13:18	Apr-19-19 13:25				
	Units/RL:	mg/kg RL	mg/kg RL				
Chloride		208 4.98	37.6 5.00				
TPH By SW8015 Mod	Extracted:	Apr-16-19 10:00	Apr-16-19 10:00				
	Analyzed:	Apr-16-19 14:46	Apr-16-19 15:05				
	Units/RL:	mg/kg RL	mg/kg RL				
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0				
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0				
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	<15.0 15.0				
Total TPH		<15.0 15.0	<15.0 15.0				

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

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Analytical Report 621047

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Red Tank 30-31 St. Com 24Y

22-APR-19

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
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), North Carolina (483)
Xenco-Lakeland: Florida (E84098)



22-APR-19

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

Reference: XENCO Report No(s): **621047**
Red Tank 30-31 St. Com 24Y
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) 621047. 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. 621047 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,

A handwritten signature in black ink that reads 'Holly Taylor'.

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 621047

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-2 @ 5'	S	04-10-19 14:30		621047-001
SP-2 @ 6.5'	S	04-11-19 14:55		621047-002



CASE NARRATIVE

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

Project Name: *Red Tank 30-31 St. Com 24Y*

Project ID:
Work Order Number(s): 621047

Report Date: 22-APR-19
Date Received: 04/15/2019

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3086143 BTEX by EPA 8021B

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

Batch: LBA-3086244 BTEX by EPA 8021B

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



Certificate of Analytical Results 621047



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: SP-2 @ 5'

Matrix: Soil

Date Received: 04.15.19 07.45

Lab Sample Id: 621047-001

Date Collected: 04.10.19 14.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.19.19 08.30

Basis: Wet Weight

Seq Number: 3086464

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	208	4.98	mg/kg	04.19.19 13.18		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.16.19 10.00

Basis: Wet Weight

Seq Number: 3085985

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.16.19 14.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	04.16.19 14.46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.16.19 14.46	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.16.19 14.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	106	%	70-135	04.16.19 14.46	
o-Terphenyl	84-15-1	106	%	70-135	04.16.19 14.46	



Certificate of Analytical Results 621047

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: SP-2 @ 5'

Matrix: Soil

Date Received: 04.15.19 07.45

Lab Sample Id: 621047-001

Date Collected: 04.10.19 14.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.17.19 13.00

Basis: Wet Weight

Seq Number: 3086143

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.18.19 03.54	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.18.19 03.54	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.18.19 03.54	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	04.18.19 03.54	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.18.19 03.54	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.18.19 03.54	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.18.19 03.54	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	101	%	70-130	04.18.19 03.54		
4-Bromofluorobenzene	460-00-4	99	%	70-130	04.18.19 03.54		



Certificate of Analytical Results 621047



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-2 @ 6.5'**

Matrix: Soil

Date Received: 04.15.19 07.45

Lab Sample Id: 621047-002

Date Collected: 04.11.19 14.55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.19.19 08.30

Basis: Wet Weight

Seq Number: 3086464

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	37.6	5.00	mg/kg	04.19.19 13.25		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.16.19 10.00

Basis: Wet Weight

Seq Number: 3085985

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.16.19 15.05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	04.16.19 15.05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.16.19 15.05	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.16.19 15.05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	04.16.19 15.05	
o-Terphenyl	84-15-1	106	%	70-135	04.16.19 15.05	



Certificate of Analytical Results 621047

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: SP-2 @ 6.5'

Matrix: Soil

Date Received: 04.15.19 07.45

Lab Sample Id: 621047-002

Date Collected: 04.11.19 14.55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.18.19 16.30

Basis: Wet Weight

Seq Number: 3086244

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	04.18.19 23.54	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	04.18.19 23.54	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	04.18.19 23.54	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	04.18.19 23.54	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	04.18.19 23.54	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	04.18.19 23.54	U	1
Total BTEX		<0.00202	0.00202	mg/kg	04.18.19 23.54	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	117	%	70-130	04.18.19 23.54		
1,4-Difluorobenzene	540-36-3	103	%	70-130	04.18.19 23.54		



Flagging Criteria



- 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 30-31 St. Com 24Y

Analytical Method: Chloride by EPA 300

Seq Number: 3086464

MB Sample Id: 7676098-1-BLK

Matrix: Solid

LCS Sample Id: 7676098-1-BKS

Prep Method: E300P

Date Prep: 04.19.19

LCSD Sample Id: 7676098-1-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	238	95	241	96	90-110	1	20	mg/kg	04.19.19 10:11	

Analytical Method: Chloride by EPA 300

Seq Number: 3086464

Parent Sample Id: 620911-004

Matrix: Soil

MS Sample Id: 620911-004 S

Prep Method: E300P

Date Prep: 04.19.19

MSD Sample Id: 620911-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	29.6	252	192	64	255	89	90-110	28	20	mg/kg	04.19.19 10:31	XF

Analytical Method: Chloride by EPA 300

Seq Number: 3086464

Parent Sample Id: 620983-016

Matrix: Soil

MS Sample Id: 620983-016 S

Prep Method: E300P

Date Prep: 04.19.19

MSD Sample Id: 620983-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	11.8	252	180	67	245	93	90-110	31	20	mg/kg	04.19.19 12:33	XF

Analytical Method: TPH By SW8015 Mod

Seq Number: 3085985

MB Sample Id: 7675908-1-BLK

Matrix: Solid

LCS Sample Id: 7675908-1-BKS

Prep Method: TX1005P

Date Prep: 04.16.19

LCSD Sample Id: 7675908-1-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)	<8.00	1000	975	98	1010	101	70-135	4	20	mg/kg	04.16.19 11:51	
Diesel Range Organics (DRO)	<8.13	1000	1000	100	1020	102	70-135	2	20	mg/kg	04.16.19 11:51	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	113		126		129		70-135	%	04.16.19 11:51
o-Terphenyl	114		119		125		70-135	%	04.16.19 11:51

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



Trinity Oilfield Services & Rentals, LLC
Red Tank 30-31 St. Com 24Y

Analytical Method: TPH By SW8015 Mod

Seq Number: 3085985

Parent Sample Id: 621042-001

Matrix: Soil

MS Sample Id: 621042-001 S

Prep Method: TX1005P

Date Prep: 04.16.19

MSD Sample Id: 621042-001 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)	12.3	997	1010	100	1020	101	70-135	1	20	mg/kg	04.16.19 12:49	
Diesel Range Organics (DRO)	<8.10	997	1070	107	1080	108	70-135	1	20	mg/kg	04.16.19 12:49	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	127		125		70-135	%	04.16.19 12:49
o-Terphenyl	114		121		70-135	%	04.16.19 12:49

Analytical Method: BTEX by EPA 8021B

Seq Number: 3086143

MB Sample Id: 7676058-1-BLK

Matrix: Solid

LCS Sample Id: 7676058-1-BKS

Prep Method: SW5030B

Date Prep: 04.17.19

LCSD Sample Id: 7676058-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000388	0.101	0.0880	87	0.0926	93	70-130	5	35	mg/kg	04.17.19 19:25	
Toluene	<0.000459	0.101	0.0889	88	0.0930	93	70-130	5	35	mg/kg	04.17.19 19:25	
Ethylbenzene	<0.000569	0.101	0.0822	81	0.0855	86	70-130	4	35	mg/kg	04.17.19 19:25	
m,p-Xylenes	<0.00102	0.202	0.162	80	0.169	85	70-130	4	35	mg/kg	04.17.19 19:25	
o-Xylene	<0.000347	0.101	0.0814	81	0.0853	85	70-130	5	35	mg/kg	04.17.19 19:25	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	91		99		100		70-130	%	04.17.19 19:25
4-Bromofluorobenzene	86		89		90		70-130	%	04.17.19 19:25

Analytical Method: BTEX by EPA 8021B

Seq Number: 3086244

MB Sample Id: 7676130-1-BLK

Matrix: Solid

LCS Sample Id: 7676130-1-BKS

Prep Method: SW5030B

Date Prep: 04.18.19

LCSD Sample Id: 7676130-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.0805	80	0.0806	81	70-130	0	35	mg/kg	04.18.19 17:57	
Toluene	<0.00202	0.101	0.0874	87	0.0872	87	70-130	0	35	mg/kg	04.18.19 17:57	
Ethylbenzene	<0.00202	0.101	0.0941	93	0.0939	94	70-130	0	35	mg/kg	04.18.19 17:57	
m,p-Xylenes	<0.00102	0.202	0.194	96	0.192	96	70-130	1	35	mg/kg	04.18.19 17:57	
o-Xylene	<0.00202	0.101	0.0986	98	0.0974	98	70-130	1	35	mg/kg	04.18.19 17:57	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		94		93		70-130	%	04.18.19 17:57
4-Bromofluorobenzene	109		107		105		70-130	%	04.18.19 17:57

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
Red Tank 30-31 St. Com 24Y

Analytical Method: BTEX by EPA 8021B

Seq Number: 3086143

Parent Sample Id: 621042-001

Matrix: Soil

MS Sample Id: 621042-001 S

Prep Method: SW5030B

Date Prep: 04.17.19

MSD Sample Id: 621042-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000385	0.100	0.0829	83	0.0729	73	70-130	13	35	mg/kg	04.17.19 20:03	
Toluene	<0.000456	0.100	0.0826	83	0.0722	73	70-130	13	35	mg/kg	04.17.19 20:03	
Ethylbenzene	<0.000565	0.100	0.0754	75	0.0653	66	70-130	14	35	mg/kg	04.17.19 20:03	X
m,p-Xylenes	<0.00101	0.200	0.149	75	0.128	64	70-130	15	35	mg/kg	04.17.19 20:03	X
o-Xylene	<0.000344	0.100	0.0756	76	0.0659	66	70-130	14	35	mg/kg	04.17.19 20:03	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		99		70-130	%	04.17.19 20:03
4-Bromofluorobenzene	99		95		70-130	%	04.17.19 20:03

Analytical Method: BTEX by EPA 8021B

Seq Number: 3086244

Parent Sample Id: 621548-002

Matrix: Soil

MS Sample Id: 621548-002 S

Prep Method: SW5030B

Date Prep: 04.18.19

MSD Sample Id: 621548-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0996	0.0775	78	0.0735	74	70-130	5	35	mg/kg	04.18.19 18:35	
Toluene	<0.000454	0.0996	0.0789	79	0.0766	77	70-130	3	35	mg/kg	04.18.19 18:35	
Ethylbenzene	<0.000563	0.0996	0.0798	80	0.0771	77	70-130	3	35	mg/kg	04.18.19 18:35	
m,p-Xylenes	<0.00101	0.199	0.163	82	0.158	79	70-130	3	35	mg/kg	04.18.19 18:35	
o-Xylene	<0.000343	0.0996	0.0831	83	0.0811	81	70-130	2	35	mg/kg	04.18.19 18:35	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		97		70-130	%	04.18.19 18:35
4-Bromofluorobenzene	111		116		70-130	%	04.18.19 18:35

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

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

Page 141 of 278
Received by OGD: 12/21/2023 12:04:43 PM
Released to Imaging: 12/22/2023 3:52:18 AM



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
roool-c

Page 1 of 1

LAB W.O #:

Field billable Hrs :

1021047

* 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: Red Tank 30-31 St. Com 24Y PO#:

Invoice To: Oxy - Wade Dittrich (575)390-2828 Quote #:
Charge Codes: OP57182239 1214877 01040502

Sampler Name: Felix Palmero 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
1	SP-2 @ 5'	4/10/19	1430	S			1	TPH 8015M
2	SP-2 @ 6.5'	4/11/19	1455	S			1	BTEX
3								Chloride
4								
5								
6								
7								
8								
9								
0								

Reg. Program / Clean-up Std	STATE for Certs & Regs	QA/QC Level & Certification	EDDs	COC & Labels	Coolers Temp °C	Lab Use Only
CTLs TRRP DW NPDES LPST DryCln	FL TX GA NC SC NJ PA OK	1 2 3 4 CLP AFCEE QAPP	ADaPT SEDD ERPIMS	Match Incomplete Absent Unclear	11.221.13 88.01	Non-Conformances found? Samples intact upon arrival?
Other:	LA AL NM Other:	NELAC DoD-ELAP Other:	XLS Other:			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 Felix Palmero	Trinity	4/12/19	4:03	MS	MS	4/12/19	4:06
2 MS	MS	4/12/19	4:10	Xenco	Xenco	4/12/19	4:15
3							
4							

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

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

4705 2520 (035)

Final 1,000

Page 14 of 15



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 04/15/2019 07:45:00 AM

Work Order #: 621047

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)?	1.1
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Brianna Teel

Date: 04/15/2019

Checklist reviewed by:

Holly Taylor

Date: 04/16/2019



Certificate of Analysis Summary 621713

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Red Tank 30-31 St.Com 24Y



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Fri Apr-19-19 12:00 pm

Report Date: 25-APR-19

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	621713-001	621713-002				
	Field Id:	SP-7 @ 5'	SP-7 @ 8'				
	Depth:						
	Matrix:	SOIL	SOIL				
	Sampled:	Apr-17-19 14:19	Apr-17-19 14:55				
BTEX by EPA 8021B	Extracted:	Apr-23-19 17:00	Apr-23-19 17:00				
	Analyzed:	Apr-24-19 01:51	Apr-24-19 02:10				
	Units/RL:	mg/kg RL	mg/kg RL				
Benzene		<0.00199 0.00199	<0.00199 0.00199				
Toluene		<0.00199 0.00199	<0.00199 0.00199				
Ethylbenzene		<0.00199 0.00199	<0.00199 0.00199				
m,p-Xylenes		<0.00398 0.00398	<0.00398 0.00398				
o-Xylene		<0.00199 0.00199	<0.00199 0.00199				
Total Xylenes		<0.00199 0.00199	<0.00199 0.00199				
Total BTEX		<0.00199 0.00199	<0.00199 0.00199				
Chloride by EPA 300	Extracted:	Apr-24-19 14:15	Apr-24-19 14:15				
	Analyzed:	Apr-24-19 20:24	Apr-24-19 20:29				
	Units/RL:	mg/kg RL	mg/kg RL				
Chloride		81.5 4.97	27.2 4.97				
TPH By SW8015 Mod	Extracted:	Apr-24-19 10:00	Apr-24-19 14:00				
	Analyzed:	Apr-25-19 07:23	Apr-25-19 08:00				
	Units/RL:	mg/kg RL	mg/kg RL				
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0				
Diesel Range Organics (DRO)		21.0 15.0	<15.0 15.0				
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	<15.0 15.0				
Total TPH		21.0 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 - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Analytical Report 621713

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Red Tank 30-31 St.Com 24Y

25-APR-19

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
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), North Carolina (483)
Xenco-Lakeland: Florida (E84098)



25-APR-19

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

Reference: XENCO Report No(s): **621713**
Red Tank 30-31 St.Com 24Y
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) 621713. 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. 621713 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,

A handwritten signature in black ink that reads 'Holly Taylor'.

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 621713

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St.Com 24Y

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-7 @ 5'	S	04-17-19 14:19		621713-001
SP-7 @ 8'	S	04-17-19 14:55		621713-002



CASE NARRATIVE

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

Project Name: *Red Tank 30-31 St.Com 24Y*

Project ID:

Work Order Number(s): 621713

Report Date: 25-APR-19

Date Received: 04/19/2019

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3086741 BTEX by EPA 8021B

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

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.

Samples affected are: 621713-001.



Certificate of Analytical Results 621713



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St.Com 24Y

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

Matrix: Soil

Date Received: 04.19.19 12.00

Lab Sample Id: 621713-001

Date Collected: 04.17.19 14.19

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 04.24.19 14.15

Basis: Wet Weight

Seq Number: 3086844

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	81.5	4.97	mg/kg	04.24.19 20.24		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.24.19 10.00

Basis: Wet Weight

Seq Number: 3086860

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.25.19 07.23	U	1
Diesel Range Organics (DRO)	C10C28DRO	21.0	15.0	mg/kg	04.25.19 07.23		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.25.19 07.23	U	1
Total TPH	PHC635	21.0	15.0	mg/kg	04.25.19 07.23		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	04.25.19 07.23	
o-Terphenyl	84-15-1	93	%	70-135	04.25.19 07.23	



Certificate of Analytical Results 621713



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St.Com 24Y

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

Matrix: Soil

Date Received: 04.19.19 12.00

Lab Sample Id: 621713-001

Date Collected: 04.17.19 14.19

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.23.19 17.00

Basis: Wet Weight

Seq Number: 3086741

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	04.24.19 01.51	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	04.24.19 01.51	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	04.24.19 01.51	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	04.24.19 01.51	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	04.24.19 01.51	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	04.24.19 01.51	U	1
Total BTEX		<0.00199	0.00199	mg/kg	04.24.19 01.51	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	139	%	70-130	04.24.19 01.51	**	
1,4-Difluorobenzene	540-36-3	92	%	70-130	04.24.19 01.51		



Certificate of Analytical Results 621713



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St.Com 24Y

Sample Id: **SP-7 @ 8'**

Matrix: Soil

Date Received: 04.19.19 12.00

Lab Sample Id: 621713-002

Date Collected: 04.17.19 14.55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 04.24.19 14.15

Basis: Wet Weight

Seq Number: 3086844

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	27.2	4.97	mg/kg	04.24.19 20.29		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.24.19 14.00

Basis: Wet Weight

Seq Number: 3086863

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.25.19 08.00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	04.25.19 08.00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.25.19 08.00	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.25.19 08.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	04.25.19 08.00	
o-Terphenyl	84-15-1	92	%	70-135	04.25.19 08.00	



Certificate of Analytical Results 621713



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St.Com 24Y

Sample Id: **SP-7 @ 8'**

Matrix: Soil

Date Received: 04.19.19 12.00

Lab Sample Id: 621713-002

Date Collected: 04.17.19 14.55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.23.19 17.00

Basis: Wet Weight

Seq Number: 3086741

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	04.24.19 02.10	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	04.24.19 02.10	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	04.24.19 02.10	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	04.24.19 02.10	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	04.24.19 02.10	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	04.24.19 02.10	U	1
Total BTEX		<0.00199	0.00199	mg/kg	04.24.19 02.10	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	102	%	70-130	04.24.19 02.10		
4-Bromofluorobenzene	460-00-4	123	%	70-130	04.24.19 02.10		



Flagging Criteria



- 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 30-31 St.Com 24Y

Analytical Method: Chloride by EPA 300

Seq Number: 3086844

MB Sample Id: 7676506-1-BLK

Matrix: Solid

LCS Sample Id: 7676506-1-BKS

Prep Method: E300P

Date Prep: 04.24.19

LCSD Sample Id: 7676506-1-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	253	101	253	101	90-110	0	20	mg/kg	04.24.19 19:16	

Analytical Method: Chloride by EPA 300

Seq Number: 3086844

Parent Sample Id: 621705-019

Matrix: Soil

MS Sample Id: 621705-019 S

Prep Method: E300P

Date Prep: 04.24.19

MSD Sample Id: 621705-019 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	0.880	248	273	110	281	113	90-110	3	20	mg/kg	04.24.19 19:32	X

Analytical Method: Chloride by EPA 300

Seq Number: 3086844

Parent Sample Id: 621714-001

Matrix: Soil

MS Sample Id: 621714-001 S

Prep Method: E300P

Date Prep: 04.24.19

MSD Sample Id: 621714-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	34.2	250	287	101	273	96	90-110	5	20	mg/kg	04.24.19 20:45	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3086860

MB Sample Id: 7676472-1-BLK

Matrix: Solid

LCS Sample Id: 7676472-1-BKS

Prep Method: TX1005P

Date Prep: 04.24.19

LCSD Sample Id: 7676472-1-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)	<8.00	1000	1100	110	1010	101	70-135	9	20	mg/kg	04.24.19 15:23	
Diesel Range Organics (DRO)	<8.13	1000	1160	116	1050	105	70-135	10	20	mg/kg	04.24.19 15:23	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	97		130		116		70-135	%	04.24.19 15:23
o-Terphenyl	99		125		112		70-135	%	04.24.19 15:23

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
Red Tank 30-31 St.Com 24Y

Analytical Method: TPH By SW8015 Mod

Seq Number: 3086863

MB Sample Id: 7676473-1-BLK

Matrix: Solid

LCS Sample Id: 7676473-1-BKS

Prep Method: TX1005P

Date Prep: 04.24.19

LCSD Sample Id: 7676473-1-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)	<8.00	1000	1020	102	1030	103	70-135	1	20	mg/kg	04.25.19 00:30	
Diesel Range Organics (DRO)	<8.13	1000	1050	105	1070	107	70-135	2	20	mg/kg	04.25.19 00:30	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	98		123		126		70-135	%	04.25.19 00:30			
o-Terphenyl	99		114		117		70-135	%	04.25.19 00:30			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3086860

Parent Sample Id: 621699-041

Matrix: Soil

MS Sample Id: 621699-041 S

Prep Method: TX1005P

Date Prep: 04.24.19

MSD Sample Id: 621699-041 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)	<7.99	998	784	79	893	90	70-135	13	20	mg/kg	04.24.19 16:22	
Diesel Range Organics (DRO)	52.7	998	840	79	935	88	70-135	11	20	mg/kg	04.24.19 16:22	
Surrogate			MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane			99		107		70-135	%	04.24.19 16:22			
o-Terphenyl			81		89		70-135	%	04.24.19 16:22			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3086863

Parent Sample Id: 621715-001

Matrix: Soil

MS Sample Id: 621715-001 S

Prep Method: TX1005P

Date Prep: 04.24.19

MSD Sample Id: 621715-001 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)	12.7	998	974	96	992	98	70-135	2	20	mg/kg	04.25.19 01:29	
Diesel Range Organics (DRO)	<8.11	998	1040	104	1060	106	70-135	2	20	mg/kg	04.25.19 01:29	
Surrogate			MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane			124		127		70-135	%	04.25.19 01:29			
o-Terphenyl			102		108		70-135	%	04.25.19 01:29			

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
Red Tank 30-31 St.Com 24Y

Analytical Method: BTEX by EPA 8021B

Seq Number: 3086741

MB Sample Id: 7676425-1-BLK

Matrix: Solid

LCS Sample Id: 7676425-1-BKS

Prep Method: SW5030B

Date Prep: 04.23.19

LCSD Sample Id: 7676425-1-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	0.0894	89	0.101	100	70-130	12	35	mg/kg	04.23.19 23:59	
Toluene	<0.00200	0.100	0.0897	90	0.101	100	70-130	12	35	mg/kg	04.23.19 23:59	
Ethylbenzene	<0.00200	0.100	0.0942	94	0.106	105	70-130	12	35	mg/kg	04.23.19 23:59	
m,p-Xylenes	<0.00400	0.200	0.190	95	0.213	105	70-130	11	35	mg/kg	04.23.19 23:59	
o-Xylene	<0.00200	0.100	0.0979	98	0.109	108	70-130	11	35	mg/kg	04.23.19 23:59	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	108		98		96		70-130	%	04.23.19 23:59
4-Bromofluorobenzene	106		109		108		70-130	%	04.23.19 23:59

Analytical Method: BTEX by EPA 8021B

Seq Number: 3086741

Parent Sample Id: 621713-001

Matrix: Soil

MS Sample Id: 621713-001 S

Prep Method: SW5030B

Date Prep: 04.23.19

MSD Sample Id: 621713-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0992	0.0869	88	0.0931	93	70-130	7	35	mg/kg	04.24.19 00:37	
Toluene	<0.00198	0.0992	0.0845	85	0.0911	91	70-130	8	35	mg/kg	04.24.19 00:37	
Ethylbenzene	<0.00198	0.0992	0.0830	84	0.0900	90	70-130	8	35	mg/kg	04.24.19 00:37	
m,p-Xylenes	<0.00397	0.198	0.169	85	0.183	91	70-130	8	35	mg/kg	04.24.19 00:37	
o-Xylene	<0.00198	0.0992	0.0871	88	0.0942	94	70-130	8	35	mg/kg	04.24.19 00:37	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		99		70-130	%	04.24.19 00:37
4-Bromofluorobenzene	109		114		70-130	%	04.24.19 00:37

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 :

* 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_2SO_4 G. $\text{Na}_2\text{S}_2\text{O}_3$ 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		

REMARKS

[illegible]

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

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

C.O.C. Serial #

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

Revision Date: Nov 12, 2009

Final 1,000

Page 14 of 16

Released to Imaging: 12/22/2023 7:52:18 AM

ORIGIN ID: H08A (515) 392-7550
MAIL SERVICES ETC, LLC
4008 N GRIMES
HOBBS, NM 88240
UNITED STATES US

SHIP DATE: 18 APR 19
ACTWGT: 13.00 LB MAN
CRD: 0909328 / CAFE3211
DIMS: 13x11x10 IN
BILL RECIPIENT

TO XENCO LABORATORIES
FEDEX EXPRESS SHIP CENTER
FEDEX EXPRESS SHIP CENTER
3600 COUNTY ROAD 1276 SOUTH
MIDLAND TX 79711

DEPT: REF: (432) 563-1800

INVT PO: 4705 2520 6741

41 MAFA

TX-US

FRI - 19 APR HOLD
STANDARD OVERNIGHT
HLB
MAFA
LBB

56110751841

56110751841



Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 04/19/2019 12:00:00 PM

Work Order #: 621713

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	2.6
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Brianna Teel

Date: 04/19/2019

Checklist reviewed by:

Holly Taylor

Date: 04/22/2019

State of New Mexico
Oil Conservation Division

Incident ID	NOY1803750274
District RP	1RP-4957
Facility ID	
Application ID	

Remediation Plan

Remediation Plan Checklist: *Each of the following items must be included in the plan.*

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

Deferral Requests Only: *Each of the following items must be confirmed as part of any request for deferral of remediation.*

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

Printed Name: Wade Dittrich

Title: Environmental Coordinator

Signature: 

Date: 5/8/2019

email: Wade_Dittrich@oxy.com

Telephone: (575)390-2828

OCD Only

Received by: Robert Hamlet

Date: 4/22/2020

☒ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature: 

Date: 4/22/2020



Certificate of Analysis Summary 618715

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Red Tank 30-31 St. Com 24Y

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Mon Mar-25-19 07:35 am

Report Date: 04-APR-19

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	618715-001	618715-002	618715-003	618715-004	618715-005	618715-006
	<i>Field Id:</i>	SP-1 E. Wall @ 4'	SP-1 E. Floor @ 4'	SP-1 W. Wall @ 4'	SP-1 W. Floor @ 4'	SP-2 N. Wall @ 4'	SP-2 N. Floor @ 4'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-19-19 10:57	Mar-19-19 10:54	Mar-19-19 11:08	Mar-19-19 11:06	Mar-19-19 11:41	Mar-19-19 13:39
BTEX by EPA 8021B	<i>Extracted:</i>	Mar-29-19 16:00	Mar-29-19 16:00	Mar-28-19 17:00	Mar-28-19 17:00	Mar-28-19 17:00	Mar-28-19 17:00
	<i>Analyzed:</i>	Mar-29-19 22:12	Mar-29-19 22:31	Mar-29-19 08:04	Mar-29-19 08:23	Mar-29-19 08:42	Mar-29-19 09:01
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	<0.00200 0.00200
Toluene		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	0.00861 0.00200
Ethylbenzene		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	0.0369 0.00200
m,p-Xylenes		<0.00399 0.00399	<0.00400 0.00400	<0.00397 0.00397	<0.00398 0.00398	<0.00401 0.00401	0.190 0.00399
o-Xylene		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	0.140 0.00200
Total Xylenes		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	0.330 0.00200
Total BTEX		<0.00200 0.00200	<0.00200 0.00200	<0.00198 0.00198	<0.00199 0.00199	<0.00200 0.00200	0.376 0.00200
Chloride by EPA 300	<i>Extracted:</i>	Mar-25-19 16:30	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40
	<i>Analyzed:</i>	Mar-26-19 02:03	Mar-26-19 10:28	Mar-26-19 10:48	Mar-26-19 10:55	Mar-26-19 11:01	Mar-26-19 11:08
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		28.3 5.00	196 4.99	7.42 4.96	226 5.03	6.95 4.95	263 5.02
TPH By SW8015 Mod	<i>Extracted:</i>	Mar-28-19 07:00	Mar-28-19 07:00	Mar-28-19 07:00	Mar-28-19 07:00	Mar-28-19 07:00	Mar-28-19 07:00
	<i>Analyzed:</i>	Mar-28-19 11:36	Mar-28-19 11:55	Mar-28-19 12:14	Mar-28-19 13:12	Mar-28-19 13:31	Mar-28-19 13:51
	<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)		<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	99.1 15.0
Diesel Range Organics (DRO)		<14.9 14.9	49.3 15.0	<15.0 15.0	64.2 15.0	<15.0 15.0	1400 15.0
Motor Oil Range Hydrocarbons (MRO)		<14.9 14.9	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	465 15.0
Total TPH		<14.9 14.9	49.3 15.0	<15.0 15.0	64.2 15.0	<15.0 15.0	1960 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 - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager



Certificate of Analysis Summary 618715

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Red Tank 30-31 St. Com 24Y

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Mon Mar-25-19 07:35 am

Report Date: 04-APR-19

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	618715-007	618715-008	618715-009	618715-010	618715-011	
	<i>Field Id:</i>	SP-3 S. Wall @ 4'	SP-3 S. Floor @ 4'	SP-4 Floor @ 3'	SP-5 Floor @ 3'	SP-6 Floor @ 3'	
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	
	<i>Sampled:</i>	Mar-19-19 12:40	Mar-19-19 12:39	Mar-19-19 13:14	Mar-19-19 13:17	Mar-19-19 13:20	
BTEX by EPA 8021B	<i>Extracted:</i>	Mar-28-19 17:00	Mar-28-19 17:00	Mar-28-19 17:00	Mar-28-19 17:00	Mar-28-19 17:00	
	<i>Analyzed:</i>	Mar-29-19 22:15	Mar-29-19 22:34	Mar-29-19 22:53	Mar-29-19 23:12	Mar-29-19 23:31	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Benzene		<0.00199 0.00199	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	
Toluene		<0.00199 0.00199	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	
Ethylbenzene		<0.00199 0.00199	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	
m,p-Xylenes		<0.00398 0.00398	<0.00397 0.00397	<0.00397 0.00397	<0.00398 0.00398	<0.00398 0.00398	
o-Xylene		<0.00199 0.00199	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	
Total Xylenes		<0.00199 0.00199	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	
Total BTEX		<0.00199 0.00199	<0.00198 0.00198	<0.00198 0.00198	<0.00199 0.00199	<0.00199 0.00199	
Chloride by EPA 300	<i>Extracted:</i>	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	
	<i>Analyzed:</i>	Mar-26-19 11:28	Mar-26-19 11:35	Mar-26-19 11:41	Mar-26-19 11:48	Mar-26-19 11:55	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		198 4.99	202 5.04	7.50 4.99	10.1 4.95	82.7 4.99	
TPH By SW8015 Mod	<i>Extracted:</i>	Mar-28-19 07:00	Mar-28-19 07:00	Mar-28-19 07:00	Mar-28-19 07:00	Mar-28-19 07:00	
	<i>Analyzed:</i>	Mar-28-19 14:11	Mar-28-19 14:30	Mar-28-19 14:51	Mar-28-19 15:11	Mar-28-19 15:31	
	<i>Units/RL:</i>	mg/kg 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	<15.0 15.0	
Diesel Range Organics (DRO)		<14.9 14.9	258 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	
Motor Oil Range Hydrocarbons (MRO)		<14.9 14.9	24.4 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	
Total TPH		<14.9 14.9	282 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	

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

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Analytical Report 618715

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Red Tank 30-31 St. Com 24Y

04-APR-19

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):

Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):

Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)

Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)

Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)

Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)

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), North Carolina (483)

Xenco-Lakeland: Florida (E84098)



04-APR-19

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

Reference: XENCO Report No(s): **618715**
Red Tank 30-31 St. Com 24Y
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) 618715. 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. 618715 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,

A handwritten signature in black ink that reads 'Holly Taylor'.

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 618715

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1 E. Wall @ 4'	S	03-19-19 10:57		618715-001
SP-1 E. Floor @ 4'	S	03-19-19 10:54		618715-002
SP-1 W. Wall @ 4'	S	03-19-19 11:08		618715-003
SP-1 W. Floor @ 4'	S	03-19-19 11:06		618715-004
SP-2 N. Wall @ 4'	S	03-19-19 11:41		618715-005
SP-2 N. Floor @ 4'	S	03-19-19 13:39		618715-006
SP-3 S. Wall @ 4'	S	03-19-19 12:40		618715-007
SP-3 S. Floor @ 4'	S	03-19-19 12:39		618715-008
SP-4 Floor @ 3'	S	03-19-19 13:14		618715-009
SP-5 Floor @ 3'	S	03-19-19 13:17		618715-010
SP-6 Floor @ 3'	S	03-19-19 13:20		618715-011



CASE NARRATIVE

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

Project Name: *Red Tank 30-31 St. Com 24Y*

Project ID:

Work Order Number(s): 618715

Report Date: 04-APR-19

Date Received: 03/25/2019

Sample receipt non conformances and comments:

4/4/2019 1.001 Revised to correct Project ID per Ben Arguijo (email). HT

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3083870 BTEX by EPA 8021B

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

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected;

Samples affected are: 618714-014 S, 618714-014 SD, 618715-005, 618715-011, 618715-007, 618715-008, 618715-009, 618715-010, 618715-004, 618715-003, 618715-006.

Batch: LBA-3084057 BTEX by EPA 8021B

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



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-1 E. Wall @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-001

Date Collected: 03.19.19 10.57

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.25.19 16.30

Basis: Wet Weight

Seq Number: 3083327

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	28.3	5.00	mg/kg	03.26.19 02.03		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	03.28.19 11.36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	03.28.19 11.36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9	mg/kg	03.28.19 11.36	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	03.28.19 11.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	03.28.19 11.36	
o-Terphenyl	84-15-1	94	%	70-135	03.28.19 11.36	



Certificate of Analytical Results 618715

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: SP-1 E. Wall @ 4'

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-001

Date Collected: 03.19.19 10.57

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.29.19 22.12	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.29.19 22.12	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.29.19 22.12	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.29.19 22.12	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.29.19 22.12	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.29.19 22.12	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.29.19 22.12	U	1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	95		%	70-130	03.29.19 22.12	
1,4-Difluorobenzene	540-36-3	86		%	70-130	03.29.19 22.12	



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-1 E. Floor @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-002

Date Collected: 03.19.19 10.54

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	196	4.99	mg/kg	03.26.19 10.28		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.28.19 11.55	U	1
Diesel Range Organics (DRO)	C10C28DRO	49.3	15.0	mg/kg	03.28.19 11.55		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.28.19 11.55	U	1
Total TPH	PHC635	49.3	15.0	mg/kg	03.28.19 11.55		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	03.28.19 11.55	
o-Terphenyl	84-15-1	92	%	70-135	03.28.19 11.55	



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-1 E. Floor @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-002

Date Collected: 03.19.19 10.54

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.29.19 22.31	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.29.19 22.31	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.29.19 22.31	U	1
m,p-Xylenes	179601-23-1	<0.00400	0.00400	mg/kg	03.29.19 22.31	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.29.19 22.31	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.29.19 22.31	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.29.19 22.31	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	97	%	70-130	03.29.19 22.31		
4-Bromofluorobenzene	460-00-4	108	%	70-130	03.29.19 22.31		



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-1 W. Wall @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-003

Date Collected: 03.19.19 11.08

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7.42	4.96	mg/kg	03.26.19 10.48		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.28.19 12.14	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.28.19 12.14	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.28.19 12.14	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.28.19 12.14	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	100	%	70-135	03.28.19 12.14	
o-Terphenyl	84-15-1	99	%	70-135	03.28.19 12.14	



Certificate of Analytical Results 618715

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-1 W. Wall @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-003

Date Collected: 03.19.19 11.08

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 03.28.19 17.00

Basis: Wet Weight

Seq Number: 3083870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.29.19 08.04	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.29.19 08.04	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.29.19 08.04	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.29.19 08.04	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.29.19 08.04	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.29.19 08.04	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.29.19 08.04	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	152	%	70-130	03.29.19 08.04	**	
1,4-Difluorobenzene	540-36-3	101	%	70-130	03.29.19 08.04		



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-1 W. Floor @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-004

Date Collected: 03.19.19 11.06

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	226	5.03	mg/kg	03.26.19 10.55		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.28.19 13.12	U	1
Diesel Range Organics (DRO)	C10C28DRO	64.2	15.0	mg/kg	03.28.19 13.12		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.28.19 13.12	U	1
Total TPH	PHC635	64.2	15.0	mg/kg	03.28.19 13.12		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	03.28.19 13.12	
o-Terphenyl	84-15-1	91	%	70-135	03.28.19 13.12	



Certificate of Analytical Results 618715

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: SP-1 W. Floor @ 4'

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-004

Date Collected: 03.19.19 11.06

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 03.28.19 17.00

Basis: Wet Weight

Seq Number: 3083870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.29.19 08.23	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.29.19 08.23	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.29.19 08.23	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.29.19 08.23	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.29.19 08.23	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.29.19 08.23	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.29.19 08.23	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	149	%	70-130	03.29.19 08.23	**	
1,4-Difluorobenzene	540-36-3	101	%	70-130	03.29.19 08.23		



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-2 N. Wall @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-005

Date Collected: 03.19.19 11.41

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	6.95	4.95	mg/kg	03.26.19 11.01		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.28.19 13.31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.28.19 13.31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.28.19 13.31	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.28.19 13.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-135	03.28.19 13.31	
o-Terphenyl	84-15-1	84	%	70-135	03.28.19 13.31	



Certificate of Analytical Results 618715

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: SP-2 N. Wall @ 4'

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-005

Date Collected: 03.19.19 11.41

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 03.28.19 17.00

Basis: Wet Weight

Seq Number: 3083870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.29.19 08.42	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.29.19 08.42	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.29.19 08.42	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.29.19 08.42	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.29.19 08.42	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.29.19 08.42	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.29.19 08.42	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	147	%	70-130	03.29.19 08.42	**	
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.29.19 08.42		



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-2 N. Floor @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-006

Date Collected: 03.19.19 13.39

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	263	5.02	mg/kg	03.26.19 11.08		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	99.1	15.0	mg/kg	03.28.19 13.51		1
Diesel Range Organics (DRO)	C10C28DRO	1400	15.0	mg/kg	03.28.19 13.51		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	465	15.0	mg/kg	03.28.19 13.51		1
Total TPH	PHC635	1960	15.0	mg/kg	03.28.19 13.51		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	105	%	70-135	03.28.19 13.51		
o-Terphenyl	84-15-1	128	%	70-135	03.28.19 13.51		



Certificate of Analytical Results 618715

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-2 N. Floor @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-006

Date Collected: 03.19.19 13.39

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 03.28.19 17.00

Basis: Wet Weight

Seq Number: 3083870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.29.19 09.01	U	1
Toluene	108-88-3	0.00861	0.00200	mg/kg	03.29.19 09.01		1
Ethylbenzene	100-41-4	0.0369	0.00200	mg/kg	03.29.19 09.01		1
m,p-Xylenes	179601-23-1	0.190	0.00399	mg/kg	03.29.19 09.01		1
o-Xylene	95-47-6	0.140	0.00200	mg/kg	03.29.19 09.01		1
Total Xylenes	1330-20-7	0.330	0.00200	mg/kg	03.29.19 09.01		1
Total BTEX		0.376	0.00200	mg/kg	03.29.19 09.01		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	101		%	70-130	03.29.19 09.01	
4-Bromofluorobenzene	460-00-4	229		%	70-130	03.29.19 09.01	**



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-3 S. Wall @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-007

Date Collected: 03.19.19 12.40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	198	4.99	mg/kg	03.26.19 11.28		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	03.28.19 14.11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	03.28.19 14.11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9	mg/kg	03.28.19 14.11	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	03.28.19 14.11	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	97	%	70-135	03.28.19 14.11		
o-Terphenyl	84-15-1	96	%	70-135	03.28.19 14.11		



Certificate of Analytical Results 618715

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: SP-3 S. Wall @ 4'

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-007

Date Collected: 03.19.19 12.40

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 03.28.19 17.00

Basis: Wet Weight

Seq Number: 3083870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.29.19 22.15	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.29.19 22.15	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.29.19 22.15	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.29.19 22.15	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.29.19 22.15	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.29.19 22.15	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.29.19 22.15	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	133	%	70-130	03.29.19 22.15	**	
1,4-Difluorobenzene	540-36-3	94	%	70-130	03.29.19 22.15		



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-3 S. Floor @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-008

Date Collected: 03.19.19 12.39

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	202	5.04	mg/kg	03.26.19 11.35		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.28.19 14.30	U	1
Diesel Range Organics (DRO)	C10C28DRO	258	15.0	mg/kg	03.28.19 14.30		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	24.4	15.0	mg/kg	03.28.19 14.30		1
Total TPH	PHC635	282	15.0	mg/kg	03.28.19 14.30		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-135	03.28.19 14.30	
o-Terphenyl	84-15-1	97	%	70-135	03.28.19 14.30	



Certificate of Analytical Results 618715

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-3 S. Floor @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-008

Date Collected: 03.19.19 12.39

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 03.28.19 17.00

Basis: Wet Weight

Seq Number: 3083870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.29.19 22.34	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.29.19 22.34	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.29.19 22.34	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.29.19 22.34	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.29.19 22.34	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.29.19 22.34	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.29.19 22.34	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	98	%	70-130	03.29.19 22.34		
4-Bromofluorobenzene	460-00-4	132	%	70-130	03.29.19 22.34	**	



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

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

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-009

Date Collected: 03.19.19 13.14

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7.50	4.99	mg/kg	03.26.19 11.41		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.28.19 14.51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.28.19 14.51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.28.19 14.51	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.28.19 14.51	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	88	%	70-135	03.28.19 14.51		
o-Terphenyl	84-15-1	87	%	70-135	03.28.19 14.51		



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

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

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-009

Date Collected: 03.19.19 13.14

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 03.28.19 17.00

Basis: Wet Weight

Seq Number: 3083870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.29.19 22.53	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.29.19 22.53	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.29.19 22.53	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.29.19 22.53	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.29.19 22.53	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.29.19 22.53	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.29.19 22.53	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.29.19 22.53		
4-Bromofluorobenzene	460-00-4	146	%	70-130	03.29.19 22.53	**	



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-5 Floor @ 3'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-010

Date Collected: 03.19.19 13.17

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	10.1	4.95	mg/kg	03.26.19 11.48		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.28.19 15.11	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.28.19 15.11	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.28.19 15.11	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.28.19 15.11	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-135	03.28.19 15.11	
o-Terphenyl	84-15-1	83	%	70-135	03.28.19 15.11	



Certificate of Analytical Results 618715

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-5 Floor @ 3'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-010

Date Collected: 03.19.19 13.17

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 03.28.19 17.00

Basis: Wet Weight

Seq Number: 3083870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.29.19 23.12	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.29.19 23.12	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.29.19 23.12	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.29.19 23.12	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.29.19 23.12	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.29.19 23.12	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.29.19 23.12	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	148	%	70-130	03.29.19 23.12	**	
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.29.19 23.12		



Certificate of Analytical Results 618715



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-6 Floor @ 3'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-011

Date Collected: 03.19.19 13.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	82.7	4.99	mg/kg	03.26.19 11.55		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.28.19 15.31	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.28.19 15.31	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.28.19 15.31	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.28.19 15.31	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	03.28.19 15.31	
o-Terphenyl	84-15-1	95	%	70-135	03.28.19 15.31	



Certificate of Analytical Results 618715

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: **SP-6 Floor @ 3'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618715-011

Date Collected: 03.19.19 13.20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 03.28.19 17.00

Basis: Wet Weight

Seq Number: 3083870

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.29.19 23.31	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.29.19 23.31	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.29.19 23.31	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.29.19 23.31	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.29.19 23.31	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.29.19 23.31	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.29.19 23.31	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	150	%	70-130	03.29.19 23.31	**	
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.29.19 23.31		



Flagging Criteria



- 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 30-31 St. Com 24Y

Analytical Method: Chloride by EPA 300

Seq Number: 3083327

MB Sample Id: 7674284-1-BLK

Matrix: Solid

LCS Sample Id: 7674284-1-BKS

Prep Method: E300P

Date Prep: 03.25.19

LCSD Sample Id: 7674284-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	247	99	248	99	90-110	0	20	mg/kg	03.25.19 23:18	

Analytical Method: Chloride by EPA 300

Seq Number: 3083494

MB Sample Id: 7674320-1-BLK

Matrix: Solid

LCS Sample Id: 7674320-1-BKS

Prep Method: E300P

Date Prep: 03.26.19

LCSD Sample Id: 7674320-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	254	102	252	101	90-110	1	20	mg/kg	03.26.19 10:15	

Analytical Method: Chloride by EPA 300

Seq Number: 3083327

Parent Sample Id: 618713-034

Matrix: Soil

MS Sample Id: 618713-034 S

Prep Method: E300P

Date Prep: 03.25.19

MSD Sample Id: 618713-034 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	6.19	250	248	97	249	97	90-110	0	20	mg/kg	03.26.19 11:21	

Analytical Method: Chloride by EPA 300

Seq Number: 3083327

Parent Sample Id: 618714-009

Matrix: Soil

MS Sample Id: 618714-009 S

Prep Method: E300P

Date Prep: 03.25.19

MSD Sample Id: 618714-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	223	250	449	90	453	92	90-110	1	20	mg/kg	03.26.19 11:33	

Analytical Method: Chloride by EPA 300

Seq Number: 3083494

Parent Sample Id: 618715-002

Matrix: Soil

MS Sample Id: 618715-002 S

Prep Method: E300P

Date Prep: 03.26.19

MSD Sample Id: 618715-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	196	250	441	98	443	99	90-110	0	20	mg/kg	03.26.19 10:35	

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

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 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
Red Tank 30-31 St. Com 24Y

Analytical Method: Chloride by EPA 300

Seq Number: 3083494

Parent Sample Id: 618716-001

Matrix: Soil

MS Sample Id: 618716-001 S

Prep Method: E300P

Date Prep: 03.26.19

MSD Sample Id: 618716-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	12.7	250	315	121	340	131	90-110	8	20	mg/kg	03.26.19 12:08	X

Analytical Method: TPH By SW8015 Mod

Seq Number: 3083750

MB Sample Id: 7674566-1-BLK

Matrix: Solid

LCS Sample Id: 7674566-1-BKS

Prep Method: TX1005P

Date Prep: 03.28.19

LCSD Sample Id: 7674566-1-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)	<8.00	1000	939	94	945	95	70-135	1	20	mg/kg	03.28.19 08:06	
Diesel Range Organics (DRO)	<8.13	1000	958	96	981	98	70-135	2	20	mg/kg	03.28.19 08:06	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	94		127		126		70-135	%	03.28.19 08:06
o-Terphenyl	97		106		120		70-135	%	03.28.19 08:06

Analytical Method: TPH By SW8015 Mod

Seq Number: 3083750

Parent Sample Id: 619079-002

Matrix: Soil

MS Sample Id: 619079-002 S

Prep Method: TX1005P

Date Prep: 03.28.19

MSD Sample Id: 619079-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<7.99	999	1010	101	1020	102	70-135	1	20	mg/kg	03.28.19 09:22	
Diesel Range Organics (DRO)	<8.12	999	1030	103	1040	104	70-135	1	20	mg/kg	03.28.19 09:22	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	125		123		70-135	%	03.28.19 09:22
o-Terphenyl	119		113		70-135	%	03.28.19 09:22

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
Red Tank 30-31 St. Com 24Y

Analytical Method: BTEX by EPA 8021B

Seq Number: 3083870

MB Sample Id: 7674629-1-BLK

Matrix: Solid

LCS Sample Id: 7674629-1-BKS

Prep Method: SW5030B

Date Prep: 03.28.19

LCSD Sample Id: 7674629-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000386	0.100	0.102	102	0.105	105	70-130	3	35	mg/kg	03.29.19 04:17	
Toluene	<0.000457	0.100	0.100	100	0.103	103	70-130	3	35	mg/kg	03.29.19 04:17	
Ethylbenzene	<0.000567	0.100	0.107	107	0.110	110	70-130	3	35	mg/kg	03.29.19 04:17	
m,p-Xylenes	<0.00102	0.201	0.206	102	0.212	106	70-130	3	35	mg/kg	03.29.19 04:17	
o-Xylene	<0.000346	0.100	0.107	107	0.110	110	70-130	3	35	mg/kg	03.29.19 04:17	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	94		99		99		70-130	%	03.29.19 04:17
4-Bromofluorobenzene	122		130		128		70-130	%	03.29.19 04:17

Analytical Method: BTEX by EPA 8021B

Seq Number: 3084057

MB Sample Id: 7674756-1-BLK

Matrix: Solid

LCS Sample Id: 7674756-1-BKS

Prep Method: SW5030B

Date Prep: 03.29.19

LCSD Sample Id: 7674756-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0994	0.102	103	0.101	101	70-130	1	35	mg/kg	03.29.19 19:23	
Toluene	<0.000453	0.0994	0.105	106	0.104	104	70-130	1	35	mg/kg	03.29.19 19:23	
Ethylbenzene	<0.000561	0.0994	0.0998	100	0.0991	99	70-130	1	35	mg/kg	03.29.19 19:23	
m,p-Xylenes	<0.00101	0.199	0.202	102	0.202	101	70-130	0	35	mg/kg	03.29.19 19:23	
o-Xylene	<0.000342	0.0994	0.102	103	0.103	103	70-130	1	35	mg/kg	03.29.19 19:23	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	91		98		101		70-130	%	03.29.19 19:23
4-Bromofluorobenzene	86		94		107		70-130	%	03.29.19 19:23

Analytical Method: BTEX by EPA 8021B

Seq Number: 3083870

Parent Sample Id: 618714-014

Matrix: Soil

MS Sample Id: 618714-014 S

Prep Method: SW5030B

Date Prep: 03.28.19

MSD Sample Id: 618714-014 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0994	0.0919	92	0.0976	98	70-130	6	35	mg/kg	03.29.19 04:55	
Toluene	<0.000453	0.0994	0.0907	91	0.0946	95	70-130	4	35	mg/kg	03.29.19 04:55	
Ethylbenzene	<0.000561	0.0994	0.0967	97	0.0999	100	70-130	3	35	mg/kg	03.29.19 04:55	
m,p-Xylenes	<0.00101	0.199	0.189	95	0.193	97	70-130	2	35	mg/kg	03.29.19 04:55	
o-Xylene	<0.000342	0.0994	0.0992	100	0.101	101	70-130	2	35	mg/kg	03.29.19 04:55	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	102		103		70-130	%	03.29.19 04:55
4-Bromofluorobenzene	144	**	144	**	70-130	%	03.29.19 04:55

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
Red Tank 30-31 St. Com 24Y

Analytical Method: BTEX by EPA 8021B

Seq Number: 3084057

Parent Sample Id: 618714-015

Matrix: Soil

MS Sample Id: 618714-015 S

Prep Method: SW5030B

Date Prep: 03.29.19

MSD Sample Id: 618714-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0996	0.0799	80	0.0886	89	70-130	10	35	mg/kg	03.29.19 20:01	
Toluene	<0.000454	0.0996	0.0809	81	0.0906	91	70-130	11	35	mg/kg	03.29.19 20:01	
Ethylbenzene	<0.000563	0.0996	0.0726	73	0.0836	84	70-130	14	35	mg/kg	03.29.19 20:01	
m,p-Xylenes	<0.00101	0.199	0.146	73	0.169	85	70-130	15	35	mg/kg	03.29.19 20:01	
o-Xylene	<0.000343	0.0996	0.0745	75	0.0863	87	70-130	15	35	mg/kg	03.29.19 20:01	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		101		70-130	%	03.29.19 20:01
4-Bromofluorobenzene	107		106		70-130	%	03.29.19 20:01

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
;roool-c

Page 1 of 2

LAB W.O #: **618715**

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	

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

^ Matrix Type Codes

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

REMARKS

Company: Trinity Oilfield Services & Rentals, LLC Phone: (575)390-7208
Address: P.O. Box 2587 Fax:
City: Hobbs State: NM Zip: 88241

PM/Attn: Ben J. Arguijo Email: wade.dittrich@oxy.com & ben@trinityoilfieldservices.com
Project ID: Red Tank 31 St. Com 24Y PO#:

Invoice To: Oxy - Wade Dittrich (575)390-2828 Quote #:
Charge Codes: OP57182239 1214877 01040502

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

Sample #	Sample ID	Collected Date	Collect Time	Matrix Code	Field Filtered	Integrity OK (Y/N)	Total # of containers	Example Volatiles by 8260	TPH 8015M	BTEX	Chloride	Hold Sample (CALL on Highest TPH Only if Run PAH)
1	SP-1 E. Wall @ 4'	3/19/19	1057	S			1		X	X	X	
2	SP-1 E. Floor @ 4'	3/19/19	1054	S			1		X	X	X	
3	SP-1 W. Wall @ 4'	3/19/19	1108	S			1		X	X	X	
4	SP-1 W. Floor @ 4'	3/19/19	1106	S			1		X	X	X	
5	SP-2 N. Wall @ 4'	3/19/19	1141	S			1		X	X	X	
6	SP-2 N. Floor @ 4'	3/19/19	1339	S			1		X	X	X	
7	SP-3 S. Wall @ 4'	3/19/19	1240	S			1		X	X	X	
8	SP-3 S. Floor @ 4'	3/19/19	1239	S			1		X	X	X	
9	SP-4 Floor @ 3'	3/19/19	1314	S			1		X	X	X	
0	SP-5 Floor @ 3'	3/19/19	1317	S			1		X	X	X	

Reg. Program / Clean-up Std	STATE for Certs & Regs	QA/QC Level & Certification	EDDs	COC & Labels	Coolers Temp °C	Lab Use Only	YES NO NA
CTLs TRRP DW NPDES LPST DryCln Other:	FL TX GA NC SC NJ PA OK LA AL NM Other:	1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:	ADaPT SEDD ERPIMS XLS Other:	Match Incomplete Absent Unclear	1 2.72 3	Non-Conformances found? Samples intact upon arrival? Received on Wet Ice? Labeled with proper preservatives? Received within holding time? Custody seals intact? VOCs rec'd w/o headspace? Proper containers used? pH verified-acceptable, excl VOCs? Received on time to meet HTs?	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____
Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time
1 John Klepper	Trinity	03-20-19	4:28	Brittany Cox	MS	3/21/19	4:28
2 Brittany Cox	MS	3/22/19	4:30	Baw	MS	3/23/19	0735
3							
4							

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

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

C.O.C. Serial #

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



CHAIN OF CUSTODY RECORD

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

Page 2 of 2
LAB W.O # : 618715
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			

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 31 St. Com 24Y	PO#:	
Invoice To:	Oxy - Wade Dittrich (575)390-2828	Quote #:	
	Charge Codes: OP57182239 1214877 01040502		
Sampler Name:	John Klepper	Circle One Event:	Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

TAT Work Days = D Need results by: _____ Time: _____
Std (5-7D) 5Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other _____

ANALYSES REQUESTED											
Cont Type VC	GC	GC	GC								
Pres Type**	I	I	I								
Example Volatiles by 8260	TPH 8015M	BTEX	Chloride								
# Cont	Lab Only:										
1	X	X	X								
2											
3											
4											
5											
6											
7											
8											
9											
0											

** Preservative Type Codes			
A.	None	E.	HCL
B.	HNO ₃	F.	MeOH
C.	H ₂ SO ₄	G.	Na ₂ S ₂ O ₃
D.	NaOH	H.	NaHSO ₄
I.	Ice	J.	MCAA
K.	ZnAc&NaOH	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
OV	Ocean/Sea Water	T	Tissue
PL	Product-Liquid	U	Urine
PS	Product-Solid	B	Blood
SL	Sludge		
Other			

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field Filtered	Integrity OK (Y/N)	Total # of containers
1	SP-6 Floor @ 3'	3/19/19	1320	S			1
2							
3							
4							
5							
6							
7							
8							
9							
0							

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	NA
CTLs TRRP DW NPDES LPST DryCln Other:	FL TX GA NC SC NJ PA OK LA AL NM Other:	1 2 3 4 CLP AFCEE QAPP NELAC DoD-ELAP Other:	ADaPT SEDD ERPIMS XLS Other:	Match Incomplete Absent Unclear	1 2.2 3	Non-Conformances found? Samples intact upon arrival?			
Relinquished by	Affiliation	Date	Time	Received by	Affiliation	Date	Time		
John Klepper	Trinity	4:28	03-20-19	Brittany Cox	MS	3/21/19	4:30		
Brittany Cox	MS	4:30							

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



Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 03/25/2019 07:35:00 AM

Work Order #: 618715

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	2.7
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Brianna Teel

Date: 03/25/2019

Checklist reviewed by:

Holly Taylor

Date: 03/26/2019



Certificate of Analysis Summary 618716

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Red Tank 30-31 ST. Com 24Y

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Mon Mar-25-19 07:35 am

Report Date: 01-APR-19

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	618716-001	618716-002	618716-003	618716-004	618716-005	618716-006
	<i>Field Id:</i>	SP-1 E. Wall @ 1.5'	SP-1 W. Wall @ 1.5'	SP-2 N. Wall @ 1.5'	SP-3 S. Wall @ 1.5'	SP-4 NE. Wall @ 1.5'	SP-5 SE. Wall @ 1.5'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Mar-22-19 09:25	Mar-22-19 09:27	Mar-22-19 09:31	Mar-22-19 09:30	Mar-22-19 09:36	Mar-22-19 09:47
BTEX by EPA 8021B	<i>Extracted:</i>	Mar-29-19 16:00	Mar-29-19 16:00	Mar-29-19 16:00	Mar-29-19 16:00	Mar-29-19 16:00	Mar-29-19 16:00
	<i>Analyzed:</i>	Mar-29-19 22:50	Mar-29-19 23:09	Mar-29-19 23:28	Mar-29-19 23:47	Mar-30-19 00:06	Mar-30-19 01:20
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Toluene		0.00428 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Ethylbenzene		<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
m,p-Xylenes		<0.00403 0.00403	<0.00402 0.00402	<0.00401 0.00401	<0.00398 0.00398	<0.00399 0.00399	<0.00397 0.00397
o-Xylene		<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Total Xylenes		<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Total BTEX		0.00428 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198
Chloride by EPA 300	<i>Extracted:</i>	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40
	<i>Analyzed:</i>	Mar-26-19 12:01	Mar-26-19 12:22	Mar-26-19 12:28	Mar-26-19 12:48	Mar-26-19 12:55	Mar-26-19 13:01
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		12.7 4.99	25.6 4.99	34.2 4.96	42.4 4.98	19.7 4.95	27.7 4.98
TPH By SW8015 Mod	<i>Extracted:</i>	Mar-29-19 07:00	Mar-29-19 07:00	Mar-29-19 07:00	Mar-29-19 10:00	Mar-28-19 07:00	Mar-26-19 16:00
	<i>Analyzed:</i>	Mar-29-19 20:06	Mar-29-19 20:25	Mar-29-19 20:44	Mar-29-19 23:36	Mar-28-19 15:51	Mar-27-19 08:20
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9
Total TPH		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<14.9 14.9

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

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager



Certificate of Analysis Summary 618716

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Red Tank 30-31 ST. Com 24Y

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Mon Mar-25-19 07:35 am

Report Date: 01-APR-19

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	618716-007	618716-008	618716-009	618716-010	618716-011	
	<i>Field Id:</i>	SP-6 S. Wall @ 1.5'	SP-7 @ 1.5'	SP-7 @ 4'	SP-7 NW. Wall @ 1.5'	SP-7 NW. Wall @ 4'	
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	
	<i>Sampled:</i>	Mar-22-19 09:28	Mar-22-19 09:52	Mar-22-19 10:00	Mar-22-19 09:55	Mar-22-19 10:04	
BTEX by EPA 8021B	<i>Extracted:</i>	Mar-29-19 16:00	Mar-29-19 16:00	Mar-29-19 16:00	Mar-29-19 16:00	Mar-29-19 16:00	
	<i>Analyzed:</i>	Mar-30-19 01:39	Mar-30-19 01:58	Mar-30-19 02:17	Mar-30-19 02:36	Mar-30-19 02:55	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Benzene		<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198	
Toluene		<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00198 0.00198	
Ethylbenzene		<0.00200 0.00200	<0.00201 0.00201	0.0140 0.00199	<0.00200 0.00200	<0.00198 0.00198	
m,p-Xylenes		<0.00401 0.00401	<0.00402 0.00402	0.157 0.00398	<0.00399 0.00399	<0.00397 0.00397	
o-Xylene		<0.00200 0.00200	<0.00201 0.00201	0.147 0.00199	<0.00200 0.00200	<0.00198 0.00198	
Total Xylenes		<0.00200 0.00200	<0.00201 0.00201	0.304 0.00199	<0.00200 0.00200	<0.00198 0.00198	
Total BTEX		<0.00200 0.00200	<0.00201 0.00201	0.318 0.00199	<0.00200 0.00200	<0.00198 0.00198	
Chloride by EPA 300	<i>Extracted:</i>	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 08:40	Mar-26-19 09:00	
	<i>Analyzed:</i>	Mar-26-19 13:08	Mar-26-19 13:15	Mar-26-19 13:21	Mar-26-19 13:28	Mar-26-19 09:33	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Chloride		26.2 5.02	26.2 4.96	37.5 4.96	21.0 5.01	<5.04 5.04	
TPH By SW8015 Mod	<i>Extracted:</i>	Mar-26-19 16:00	Mar-26-19 16:00	Mar-26-19 16:00	Mar-26-19 16:00	Mar-26-19 16:00	
	<i>Analyzed:</i>	Mar-27-19 08:39	Mar-27-19 08:59	Mar-27-19 09:18	Mar-27-19 09:38	Mar-27-19 09:57	
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	68.8 15.0	<15.0 15.0	<15.0 15.0	
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	1290 15.0	<15.0 15.0	<15.0 15.0	
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	<15.0 15.0	402 15.0	<15.0 15.0	<15.0 15.0	
Total TPH		<15.0 15.0	<15.0 15.0	1760 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 - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Analytical Report 618716

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Red Tank 30-31 ST. Com 24Y

01-APR-19

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
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), North Carolina (483)
Xenco-Lakeland: Florida (E84098)



01-APR-19

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

Reference: XENCO Report No(s): **618716**
Red Tank 30-31 ST. Com 24Y
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) 618716. 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. 618716 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,

A handwritten signature in black ink that reads 'Holly Taylor'.

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 618716

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1 E. Wall @ 1.5'	S	03-22-19 09:25		618716-001
SP-1 W. Wall @ 1.5'	S	03-22-19 09:27		618716-002
SP-2 N. Wall @ 1.5'	S	03-22-19 09:31		618716-003
SP-3 S. Wall @ 1.5'	S	03-22-19 09:30		618716-004
SP-4 NE. Wall @ 1.5'	S	03-22-19 09:36		618716-005
SP-5 SE. Wall @ 1.5'	S	03-22-19 09:47		618716-006
SP-6 S. Wall @ 1.5'	S	03-22-19 09:28		618716-007
SP-7 @ 1.5'	S	03-22-19 09:52		618716-008
SP-7 @ 4'	S	03-22-19 10:00		618716-009
SP-7 NW. Wall @ 1.5'	S	03-22-19 09:55		618716-010
SP-7 NW. Wall @ 4'	S	03-22-19 10:04		618716-011



CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Red Tank 30-31 ST. Com 24Y

Project ID:

Work Order Number(s): 618716

Report Date: 01-APR-19

Date Received: 03/25/2019

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3083494 Chloride by EPA 300

Lab Sample ID 618716-001 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered above QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 618716-001, -002, -003, -004, -005, -006, -007, -008, -009, -010.

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

Batch: LBA-3084057 BTEX by EPA 8021B

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.

Samples affected are: 618716-009.

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



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-1 E. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-001

Date Collected: 03.22.19 09.25

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12.7	4.99	mg/kg	03.26.19 12.01		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.29.19 07.00

Basis: Wet Weight

Seq Number: 3084046

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.29.19 20.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.29.19 20.06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.29.19 20.06	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.29.19 20.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	03.29.19 20.06	
o-Terphenyl	84-15-1	92	%	70-135	03.29.19 20.06	



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-1 E. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-001

Date Collected: 03.22.19 09.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	03.29.19 22.50	U	1
Toluene	108-88-3	0.00428	0.00202	mg/kg	03.29.19 22.50		1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	03.29.19 22.50	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	03.29.19 22.50	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	03.29.19 22.50	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	03.29.19 22.50	U	1
Total BTEX		0.00428	0.00202	mg/kg	03.29.19 22.50		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.29.19 22.50		
4-Bromofluorobenzene	460-00-4	112	%	70-130	03.29.19 22.50		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-1 W. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-002

Date Collected: 03.22.19 09.27

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	25.6	4.99	mg/kg	03.26.19 12.22		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.29.19 07.00

Basis: Wet Weight

Seq Number: 3084046

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.29.19 20.25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.29.19 20.25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.29.19 20.25	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.29.19 20.25	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	03.29.19 20.25	
o-Terphenyl	84-15-1	91	%	70-135	03.29.19 20.25	



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-1 W. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-002

Date Collected: 03.22.19 09.27

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.29.19 23.09	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.29.19 23.09	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.29.19 23.09	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.29.19 23.09	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.29.19 23.09	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.29.19 23.09	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.29.19 23.09	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	99	%	70-130	03.29.19 23.09		
4-Bromofluorobenzene	460-00-4	107	%	70-130	03.29.19 23.09		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-2 N. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-003

Date Collected: 03.22.19 09.31

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	34.2	4.96	mg/kg	03.26.19 12.28		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.29.19 07.00

Basis: Wet Weight

Seq Number: 3084046

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.29.19 20.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.29.19 20.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.29.19 20.44	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.29.19 20.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	90	%	70-135	03.29.19 20.44	
o-Terphenyl	84-15-1	91	%	70-135	03.29.19 20.44	



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-2 N. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-003

Date Collected: 03.22.19 09.31

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.29.19 23.28	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.29.19 23.28	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.29.19 23.28	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.29.19 23.28	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.29.19 23.28	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.29.19 23.28	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.29.19 23.28	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	98	%	70-130	03.29.19 23.28		
4-Bromofluorobenzene	460-00-4	107	%	70-130	03.29.19 23.28		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-3 S. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-004

Date Collected: 03.22.19 09.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	42.4	4.98	mg/kg	03.26.19 12.48		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.29.19 10.00

Basis: Wet Weight

Seq Number: 3084047

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.29.19 23.36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.29.19 23.36	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.29.19 23.36	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.29.19 23.36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	91	%	70-135	03.29.19 23.36		
o-Terphenyl	84-15-1	92	%	70-135	03.29.19 23.36		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-3 S. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-004

Date Collected: 03.22.19 09.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.29.19 23.47	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.29.19 23.47	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	03.29.19 23.47	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	03.29.19 23.47	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	03.29.19 23.47	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	03.29.19 23.47	U	1
Total BTEX		<0.00199	0.00199	mg/kg	03.29.19 23.47	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	110	%	70-130	03.29.19 23.47		
1,4-Difluorobenzene	540-36-3	99	%	70-130	03.29.19 23.47		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-4 NE. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-005

Date Collected: 03.22.19 09.36

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	19.7	4.95	mg/kg	03.26.19 12.55		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.28.19 07.00

Basis: Wet Weight

Seq Number: 3083750

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.28.19 15.51	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.28.19 15.51	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.28.19 15.51	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.28.19 15.51	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	92	%	70-135	03.28.19 15.51		
o-Terphenyl	84-15-1	94	%	70-135	03.28.19 15.51		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-4 NE. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-005

Date Collected: 03.22.19 09.36

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.19 00.06	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.19 00.06	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.19 00.06	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.30.19 00.06	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.19 00.06	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.19 00.06	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.19 00.06	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	98	%	70-130	03.30.19 00.06		
4-Bromofluorobenzene	460-00-4	105	%	70-130	03.30.19 00.06		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-5 SE. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-006

Date Collected: 03.22.19 09.47

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	27.7	4.98	mg/kg	03.26.19 13.01		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.26.19 16.00

Basis: Wet Weight

Seq Number: 3083540

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	03.27.19 08.20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	03.27.19 08.20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9	mg/kg	03.27.19 08.20	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	03.27.19 08.20	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-135	03.27.19 08.20	
o-Terphenyl	84-15-1	81	%	70-135	03.27.19 08.20	



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-5 SE. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-006

Date Collected: 03.22.19 09.47

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.30.19 01.20	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.30.19 01.20	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.30.19 01.20	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.30.19 01.20	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.30.19 01.20	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.30.19 01.20	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.30.19 01.20	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	101	%	70-130	03.30.19 01.20		
1,4-Difluorobenzene	540-36-3	97	%	70-130	03.30.19 01.20		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-6 S. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-007

Date Collected: 03.22.19 09.28

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	26.2	5.02	mg/kg	03.26.19 13.08		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.26.19 16.00

Basis: Wet Weight

Seq Number: 3083540

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.27.19 08.39	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.27.19 08.39	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.27.19 08.39	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.27.19 08.39	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	82	%	70-135	03.27.19 08.39		
o-Terphenyl	84-15-1	83	%	70-135	03.27.19 08.39		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-6 S. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-007

Date Collected: 03.22.19 09.28

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.19 01.39	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.19 01.39	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.19 01.39	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	03.30.19 01.39	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.19 01.39	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.19 01.39	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.19 01.39	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	100	%	70-130	03.30.19 01.39		
1,4-Difluorobenzene	540-36-3	97	%	70-130	03.30.19 01.39		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-7 @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-008

Date Collected: 03.22.19 09.52

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	26.2	4.96	mg/kg	03.26.19 13.15		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.26.19 16.00

Basis: Wet Weight

Seq Number: 3083540

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.27.19 08.59	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.27.19 08.59	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.27.19 08.59	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.27.19 08.59	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-135	03.27.19 08.59	
o-Terphenyl	84-15-1	82	%	70-135	03.27.19 08.59	



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-7 @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-008

Date Collected: 03.22.19 09.52

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	03.30.19 01.58	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	03.30.19 01.58	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	03.30.19 01.58	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	03.30.19 01.58	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	03.30.19 01.58	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	03.30.19 01.58	U	1
Total BTEX		<0.00201	0.00201	mg/kg	03.30.19 01.58	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	106	%	70-130	03.30.19 01.58		
1,4-Difluorobenzene	540-36-3	99	%	70-130	03.30.19 01.58		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-7 @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-009

Date Collected: 03.22.19 10.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	37.5	4.96	mg/kg	03.26.19 13.21		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.26.19 16.00

Basis: Wet Weight

Seq Number: 3083540

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	68.8	15.0	mg/kg	03.27.19 09.18		1
Diesel Range Organics (DRO)	C10C28DRO	1290	15.0	mg/kg	03.27.19 09.18		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	402	15.0	mg/kg	03.27.19 09.18		1
Total TPH	PHC635	1760	15.0	mg/kg	03.27.19 09.18		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	89	%	70-135	03.27.19 09.18		
o-Terphenyl	84-15-1	114	%	70-135	03.27.19 09.18		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-7 @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-009

Date Collected: 03.22.19 10.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	03.30.19 02.17	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	03.30.19 02.17	U	1
Ethylbenzene	100-41-4	0.0140	0.00199	mg/kg	03.30.19 02.17		1
m,p-Xylenes	179601-23-1	0.157	0.00398	mg/kg	03.30.19 02.17		1
o-Xylene	95-47-6	0.147	0.00199	mg/kg	03.30.19 02.17		1
Total Xylenes	1330-20-7	0.304	0.00199	mg/kg	03.30.19 02.17		1
Total BTEX		0.318	0.00199	mg/kg	03.30.19 02.17		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	97		%	70-130	03.30.19 02.17	
4-Bromofluorobenzene	460-00-4	162		%	70-130	03.30.19 02.17	**



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-7 NW. Wall @ 1.5'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-010

Date Collected: 03.22.19 09.55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 08.40

Basis: Wet Weight

Seq Number: 3083494

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	21.0	5.01	mg/kg	03.26.19 13.28		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.26.19 16.00

Basis: Wet Weight

Seq Number: 3083540

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.27.19 09.38	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.27.19 09.38	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.27.19 09.38	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.27.19 09.38	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	80	%	70-135	03.27.19 09.38		
o-Terphenyl	84-15-1	79	%	70-135	03.27.19 09.38		



Certificate of Analytical Results 618716

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: SP-7 NW. Wall @ 1.5'

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-010

Date Collected: 03.22.19 09.55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	03.30.19 02.36	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	03.30.19 02.36	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	03.30.19 02.36	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	03.30.19 02.36	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	03.30.19 02.36	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	03.30.19 02.36	U	1
Total BTEX		<0.00200	0.00200	mg/kg	03.30.19 02.36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	112	%	70-130	03.30.19 02.36		
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.30.19 02.36		



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-7 NW. Wall @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-011

Date Collected: 03.22.19 10.04

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 03.26.19 09.00

Basis: Wet Weight

Seq Number: 3083390

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.04	5.04	mg/kg	03.26.19 09.33	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 03.26.19 16.00

Basis: Wet Weight

Seq Number: 3083540

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	03.27.19 09.57	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	03.27.19 09.57	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	03.27.19 09.57	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	03.27.19 09.57	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-135	03.27.19 09.57	
o-Terphenyl	84-15-1	83	%	70-135	03.27.19 09.57	



Certificate of Analytical Results 618716



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 ST. Com 24Y

Sample Id: **SP-7 NW. Wall @ 4'**

Matrix: Soil

Date Received: 03.25.19 07.35

Lab Sample Id: 618716-011

Date Collected: 03.22.19 10.04

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 03.29.19 16.00

Basis: Wet Weight

Seq Number: 3084057

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	03.30.19 02.55	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	03.30.19 02.55	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	03.30.19 02.55	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	03.30.19 02.55	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	03.30.19 02.55	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	03.30.19 02.55	U	1
Total BTEX		<0.00198	0.00198	mg/kg	03.30.19 02.55	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	107	%	70-130	03.30.19 02.55		
1,4-Difluorobenzene	540-36-3	100	%	70-130	03.30.19 02.55		



Flagging Criteria



- 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 30-31 ST. Com 24Y

Analytical Method: Chloride by EPA 300

Seq Number: 3083494

MB Sample Id: 7674320-1-BLK

Matrix: Solid

LCS Sample Id: 7674320-1-BKS

Prep Method: E300P

Date Prep: 03.26.19

LCSD Sample Id: 7674320-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	254	102	252	101	90-110	1	20	mg/kg	03.26.19 10:15	

Analytical Method: Chloride by EPA 300

Seq Number: 3083390

MB Sample Id: 7674322-1-BLK

Matrix: Solid

LCS Sample Id: 7674322-1-BKS

Prep Method: E300P

Date Prep: 03.26.19

LCSD Sample Id: 7674322-1-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	245	98	245	98	90-110	0	20	mg/kg	03.26.19 09:22	

Analytical Method: Chloride by EPA 300

Seq Number: 3083494

Parent Sample Id: 618715-002

Matrix: Soil

MS Sample Id: 618715-002 S

Prep Method: E300P

Date Prep: 03.26.19

MSD Sample Id: 618715-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	196	250	441	98	443	99	90-110	0	20	mg/kg	03.26.19 10:35	

Analytical Method: Chloride by EPA 300

Seq Number: 3083494

Parent Sample Id: 618716-001

Matrix: Soil

MS Sample Id: 618716-001 S

Prep Method: E300P

Date Prep: 03.26.19

MSD Sample Id: 618716-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	12.7	250	315	121	340	131	90-110	8	20	mg/kg	03.26.19 12:08	X

Analytical Method: Chloride by EPA 300

Seq Number: 3083390

Parent Sample Id: 618716-011

Matrix: Soil

MS Sample Id: 618716-011 S

Prep Method: E300P

Date Prep: 03.26.19

MSD Sample Id: 618716-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	4.46	252	253	99	251	98	90-110	1	20	mg/kg	03.26.19 09:39	

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

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 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
Red Tank 30-31 ST. Com 24Y

Analytical Method: TPH By SW8015 Mod

Seq Number: 3083540

MB Sample Id: 7674391-1-BLK

Matrix: Solid

LCS Sample Id: 7674391-1-BKS

Prep Method: TX1005P

Date Prep: 03.26.19

LCSD Sample Id: 7674391-1-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)	<8.00	1000	898	90	937	94	70-135	4	20	mg/kg	03.27.19 01:54	
Diesel Range Organics (DRO)	<8.13	1000	992	99	1040	104	70-135	5	20	mg/kg	03.27.19 01:54	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	88		122		114		70-135	%	03.27.19 01:54			
o-Terphenyl	90		104		104		70-135	%	03.27.19 01:54			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3083750

MB Sample Id: 7674566-1-BLK

Matrix: Solid

LCS Sample Id: 7674566-1-BKS

Prep Method: TX1005P

Date Prep: 03.28.19

LCSD Sample Id: 7674566-1-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)	<8.00	1000	939	94	945	95	70-135	1	20	mg/kg	03.28.19 08:06	
Diesel Range Organics (DRO)	<8.13	1000	958	96	981	98	70-135	2	20	mg/kg	03.28.19 08:06	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	94		127		126		70-135	%	03.28.19 08:06			
o-Terphenyl	97		106		120		70-135	%	03.28.19 08:06			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3084046

MB Sample Id: 7674697-1-BLK

Matrix: Solid

LCS Sample Id: 7674697-1-BKS

Prep Method: TX1005P

Date Prep: 03.29.19

LCSD Sample Id: 7674697-1-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)	<8.00	1000	905	91	940	94	70-135	4	20	mg/kg	03.29.19 12:27	
Diesel Range Organics (DRO)	<8.13	1000	1000	100	1030	103	70-135	3	20	mg/kg	03.29.19 12:27	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	93		122		124		70-135	%	03.29.19 12:27			
o-Terphenyl	97		120		117		70-135	%	03.29.19 12:27			

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
Red Tank 30-31 ST. Com 24Y

Analytical Method: TPH By SW8015 Mod

Seq Number: 3084047

MB Sample Id: 7674698-1-BLK

Matrix: Solid

LCS Sample Id: 7674698-1-BKS

Prep Method: TX1005P

Date Prep: 03.29.19

LCSD Sample Id: 7674698-1-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)	<8.00	1000	958	96	924	92	70-135	4	20	mg/kg	03.29.19 21:42	
Diesel Range Organics (DRO)	<8.13	1000	1050	105	1020	102	70-135	3	20	mg/kg	03.29.19 21:42	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	94		122		122		70-135	%	03.29.19 21:42			
o-Terphenyl	97		117		104		70-135	%	03.29.19 21:42			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3083540

Parent Sample Id: 618909-001

Matrix: Soil

MS Sample Id: 618909-001 S

Prep Method: TX1005P

Date Prep: 03.26.19

MSD Sample Id: 618909-001 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)	<7.98	997	824	83	845	85	70-135	3	20	mg/kg	03.27.19 02:52	
Diesel Range Organics (DRO)	<8.10	997	931	93	957	96	70-135	3	20	mg/kg	03.27.19 02:52	
Surrogate			MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane			102		101		70-135	%	03.27.19 02:52			
o-Terphenyl			87		89		70-135	%	03.27.19 02:52			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3083750

Parent Sample Id: 619079-002

Matrix: Soil

MS Sample Id: 619079-002 S

Prep Method: TX1005P

Date Prep: 03.28.19

MSD Sample Id: 619079-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<7.99	999	1010	101	1020	102	70-135	1	20	mg/kg	03.28.19 09:22	
Diesel Range Organics (DRO)	<8.12	999	1030	103	1040	104	70-135	1	20	mg/kg	03.28.19 09:22	
Surrogate			MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane			125		123		70-135	%	03.28.19 09:22			
o-Terphenyl			119		113		70-135	%	03.28.19 09:22			

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
Red Tank 30-31 ST. Com 24Y

Analytical Method: TPH By SW8015 Mod

Seq Number: 3084046

Parent Sample Id: 618714-001

Matrix: Soil

MS Sample Id: 618714-001 S

Prep Method: TX1005P

Date Prep: 03.29.19

MSD Sample Id: 618714-001 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)	8.16	997	912	91	915	91	70-135	0	20	mg/kg	03.29.19 13:24	
Diesel Range Organics (DRO)	<8.10	997	932	93	939	94	70-135	1	20	mg/kg	03.29.19 13:24	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	119		119		70-135	%	03.29.19 13:24
o-Terphenyl	111		109		70-135	%	03.29.19 13:24

Analytical Method: TPH By SW8015 Mod

Seq Number: 3084047

Parent Sample Id: 618899-001

Matrix: Soil

MS Sample Id: 618899-001 S

Prep Method: TX1005P

Date Prep: 03.29.19

MSD Sample Id: 618899-001 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)	8.95	998	972	96	969	96	70-135	0	20	mg/kg	03.29.19 22:39	
Diesel Range Organics (DRO)	<8.11	998	988	99	982	98	70-135	1	20	mg/kg	03.29.19 22:39	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	125		122		70-135	%	03.29.19 22:39
o-Terphenyl	100		99		70-135	%	03.29.19 22:39

Analytical Method: BTEX by EPA 8021B

Seq Number: 3084057

MB Sample Id: 7674756-1-BLK

Matrix: Solid

LCS Sample Id: 7674756-1-BKS

Prep Method: SW5030B

Date Prep: 03.29.19

LCSD Sample Id: 7674756-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0994	0.102	103	0.101	101	70-130	1	35	mg/kg	03.29.19 19:23	
Toluene	<0.000453	0.0994	0.105	106	0.104	104	70-130	1	35	mg/kg	03.29.19 19:23	
Ethylbenzene	<0.000561	0.0994	0.0998	100	0.0991	99	70-130	1	35	mg/kg	03.29.19 19:23	
m,p-Xylenes	<0.00101	0.199	0.202	102	0.202	101	70-130	0	35	mg/kg	03.29.19 19:23	
o-Xylene	<0.000342	0.0994	0.102	103	0.103	103	70-130	1	35	mg/kg	03.29.19 19:23	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	91		98		101		70-130	%	03.29.19 19:23
4-Bromofluorobenzene	86		94		107		70-130	%	03.29.19 19:23

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
Red Tank 30-31 ST. Com 24Y

Analytical Method: BTEX by EPA 8021B

Seq Number: 3084057

Parent Sample Id: 618714-015

Matrix: Soil

MS Sample Id: 618714-015 S

Prep Method: SW5030B

Date Prep: 03.29.19

MSD Sample Id: 618714-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0996	0.0799	80	0.0886	89	70-130	10	35	mg/kg	03.29.19 20:01	
Toluene	<0.000454	0.0996	0.0809	81	0.0906	91	70-130	11	35	mg/kg	03.29.19 20:01	
Ethylbenzene	<0.000563	0.0996	0.0726	73	0.0836	84	70-130	14	35	mg/kg	03.29.19 20:01	
m,p-Xylenes	<0.00101	0.199	0.146	73	0.169	85	70-130	15	35	mg/kg	03.29.19 20:01	
o-Xylene	<0.000343	0.0996	0.0745	75	0.0863	87	70-130	15	35	mg/kg	03.29.19 20:01	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		101		70-130	%	03.29.19 20:01
4-Bromofluorobenzene	107		106		70-130	%	03.29.19 20:01

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

Page 230 of 278
Received by OCD: 12/21/2023 12:04:43 PM
Released to Imaging: 12/22/2023 3:32:18 AM



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
Houston-C

Page 1 of 2

LAB W.O #:

1018714

Field billable Hrs:

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 30-31 St. Com 24Y PO#:
Invoice To: Oxy - Wade Dittrich (575)390-2828 Quote #:
Charge Codes: OP57182239 1214877 01040502

TAT Work Days = D Need results by: Time:
Std (5-7D) 5Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other

* 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	

ANALYSES REQUESTED											
Cont Type VC	GC	GC	GC								
Pres Type	I	I	I								
Example Volatiles by 8260	TPH 8015M	BTEX	Chloride								
# Cont	Lab Only:										
1	X	X	X								
2	X	X	X								
3	X	X	X								
4	X	X	X								
5	X	X	X								
6	X	X	X								
7	X	X	X								
8	X	X	X								
9	X	X	X								
0	X	X	X								

** 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		

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code	Field Filtered	Field Integrity	OK (Y/N)	Total # of containers
1	SP-1 E. Wall @ 1.5'	3/22/19	0925	S				1
2	SP-1 W. Wall @ 1.5'	3/22/19	0927	S				1
3	SP-2 N. Wall @ 1.5'	3/22/19	0931	S				1
4	SP-3 S. Wall @ 1.5'	3/22/19	0930	S				1
5	SP-4 NE Wall @ 1.5'	3/22/19	0936	S				1
6	SP-5 SE Wall @ 1.5'	3/22/19	0947	S				1
7	SP-6 S. Wall @ 1.5'	3/22/19	0928	S				1
8	SP-7 @ 1.5'	3/22/19	0952	S				1
9	SP-7 @ 4'	3/22/19	1000	S				1
0	SP-7 NW Wall @ 1.5'	3/22/19	0955	S				1

Reg. Program / Clean-up Std		STATE for Certs & Regs		QA/QC Level & Certification		EDDs		COC & Labels		Coolers Temp °C		Lab Use Only	
CTLs	TRRP DW NPDES LPST DryCln	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 1.3 2 3		Non-Conformances found?	YES NO NA
Other:												Samples intact upon arrival?	
Relinquished by		Affiliation		Date		Time		Received by		Affiliation		Date	
1 John Klepper		Trinity		03/22/19		3:00		Brittany Cox		MS		3/22/19	
2 Brittany Cox		MS		3/22/19		3:00		Basil		Xenco		3/25/19	
3												Received on Wet Ice?	
4												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?	

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

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



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

CHAIN OF CUSTODY RECORD

Page 2 of 2

LAB W.O # :

Field billable Hrs :

* Container Type Codes

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

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_2SO_4 G. $\text{Na}_2\text{S}_2\text{O}_3$ K. ZnAc&NaOH
D. NaOH H. NaHSO_4 L. Asbc Acid&NaOH

^ Matrix Type Codes

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

REMARKS

[illegible]

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

C.O.C. Serial #

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

Revision Date: Nov 12, 2009

Final 1,000

Page 36 of 37

Released to Imaging: 12/22/2023 7:52:18 AM



Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 03/25/2019 07:35:00 AM

Work Order #: 618716

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	2.7
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Brianna Teel

Date: 03/25/2019

Checklist reviewed by:

Holly Taylor

Date: 03/26/2019



Certificate of Analysis Summary 621047

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Red Tank 30-31 St. Com 24Y

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Mon Apr-15-19 07:45 am

Report Date: 22-APR-19

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	621047-001	621047-002				
	Field Id:	SP-2 @ 5'	SP-2 @ 6.5'				
	Depth:						
	Matrix:	SOIL	SOIL				
	Sampled:	Apr-10-19 14:30	Apr-11-19 14:55				
BTEX by EPA 8021B	Extracted:	Apr-17-19 13:00	Apr-18-19 16:30				
	Analyzed:	Apr-18-19 03:54	Apr-18-19 23:54				
	Units/RL:	mg/kg RL	mg/kg RL				
Benzene		<0.00200 0.00200	<0.00202 0.00202				
Toluene		<0.00200 0.00200	<0.00202 0.00202				
Ethylbenzene		<0.00200 0.00200	<0.00202 0.00202				
m,p-Xylenes		<0.00401 0.00401	<0.00403 0.00403				
o-Xylene		<0.00200 0.00200	<0.00202 0.00202				
Total Xylenes		<0.00200 0.00200	<0.00202 0.00202				
Total BTEX		<0.00200 0.00200	<0.00202 0.00202				
Chloride by EPA 300	Extracted:	Apr-19-19 08:30	Apr-19-19 08:30				
	Analyzed:	Apr-19-19 13:18	Apr-19-19 13:25				
	Units/RL:	mg/kg RL	mg/kg RL				
Chloride		208 4.98	37.6 5.00				
TPH By SW8015 Mod	Extracted:	Apr-16-19 10:00	Apr-16-19 10:00				
	Analyzed:	Apr-16-19 14:46	Apr-16-19 15:05				
	Units/RL:	mg/kg RL	mg/kg RL				
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0				
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0				
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	<15.0 15.0				
Total TPH		<15.0 15.0	<15.0 15.0				

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

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Analytical Report 621047

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Red Tank 30-31 St. Com 24Y

22-APR-19

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):

Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):

Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)

Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)

Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)

Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)

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), North Carolina (483)

Xenco-Lakeland: Florida (E84098)



22-APR-19

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

Reference: XENCO Report No(s): **621047**
Red Tank 30-31 St. Com 24Y
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) 621047. 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. 621047 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,

A handwritten signature in black ink that reads 'Holly Taylor'.

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 621047

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-2 @ 5'	S	04-10-19 14:30		621047-001
SP-2 @ 6.5'	S	04-11-19 14:55		621047-002



CASE NARRATIVE

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

Project Name: *Red Tank 30-31 St. Com 24Y*

Project ID:
Work Order Number(s): 621047

Report Date: 22-APR-19
Date Received: 04/15/2019

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3086143 BTEX by EPA 8021B

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

Batch: LBA-3086244 BTEX by EPA 8021B

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



Certificate of Analytical Results 621047



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: SP-2 @ 5'

Matrix: Soil

Date Received: 04.15.19 07.45

Lab Sample Id: 621047-001

Date Collected: 04.10.19 14.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.19.19 08.30

Basis: Wet Weight

Seq Number: 3086464

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	208	4.98	mg/kg	04.19.19 13.18		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.16.19 10.00

Basis: Wet Weight

Seq Number: 3085985

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.16.19 14.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	04.16.19 14.46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.16.19 14.46	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.16.19 14.46	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	106	%	70-135	04.16.19 14.46		
o-Terphenyl	84-15-1	106	%	70-135	04.16.19 14.46		



Certificate of Analytical Results 621047

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: SP-2 @ 5'

Matrix: Soil

Date Received: 04.15.19 07.45

Lab Sample Id: 621047-001

Date Collected: 04.10.19 14.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.17.19 13.00

Basis: Wet Weight

Seq Number: 3086143

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	04.18.19 03.54	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	04.18.19 03.54	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	04.18.19 03.54	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	04.18.19 03.54	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	04.18.19 03.54	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	04.18.19 03.54	U	1
Total BTEX		<0.00200	0.00200	mg/kg	04.18.19 03.54	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	101	%	70-130	04.18.19 03.54		
4-Bromofluorobenzene	460-00-4	99	%	70-130	04.18.19 03.54		



Certificate of Analytical Results 621047



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: SP-2 @ 6.5'

Matrix: Soil

Date Received: 04.15.19 07.45

Lab Sample Id: 621047-002

Date Collected: 04.11.19 14.55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 04.19.19 08.30

Basis: Wet Weight

Seq Number: 3086464

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	37.6	5.00	mg/kg	04.19.19 13.25		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.16.19 10.00

Basis: Wet Weight

Seq Number: 3085985

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.16.19 15.05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	04.16.19 15.05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.16.19 15.05	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.16.19 15.05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	105	%	70-135	04.16.19 15.05	
o-Terphenyl	84-15-1	106	%	70-135	04.16.19 15.05	



Certificate of Analytical Results 621047

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St. Com 24Y

Sample Id: SP-2 @ 6.5'

Matrix: Soil

Date Received: 04.15.19 07.45

Lab Sample Id: 621047-002

Date Collected: 04.11.19 14.55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.18.19 16.30

Basis: Wet Weight

Seq Number: 3086244

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	04.18.19 23.54	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	04.18.19 23.54	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	04.18.19 23.54	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	04.18.19 23.54	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	04.18.19 23.54	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	04.18.19 23.54	U	1
Total BTEX		<0.00202	0.00202	mg/kg	04.18.19 23.54	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	117	%	70-130	04.18.19 23.54		
1,4-Difluorobenzene	540-36-3	103	%	70-130	04.18.19 23.54		



Flagging Criteria



- 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 30-31 St. Com 24Y

Analytical Method: Chloride by EPA 300

Seq Number: 3086464

MB Sample Id: 7676098-1-BLK

Matrix: Solid

LCS Sample Id: 7676098-1-BKS

Prep Method: E300P

Date Prep: 04.19.19

LCSD Sample Id: 7676098-1-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	238	95	241	96	90-110	1	20	mg/kg	04.19.19 10:11	

Analytical Method: Chloride by EPA 300

Seq Number: 3086464

Parent Sample Id: 620911-004

Matrix: Soil

MS Sample Id: 620911-004 S

Prep Method: E300P

Date Prep: 04.19.19

MSD Sample Id: 620911-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	29.6	252	192	64	255	89	90-110	28	20	mg/kg	04.19.19 10:31	XF

Analytical Method: Chloride by EPA 300

Seq Number: 3086464

Parent Sample Id: 620983-016

Matrix: Soil

MS Sample Id: 620983-016 S

Prep Method: E300P

Date Prep: 04.19.19

MSD Sample Id: 620983-016 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	11.8	252	180	67	245	93	90-110	31	20	mg/kg	04.19.19 12:33	XF

Analytical Method: TPH By SW8015 Mod

Seq Number: 3085985

MB Sample Id: 7675908-1-BLK

Matrix: Solid

LCS Sample Id: 7675908-1-BKS

Prep Method: TX1005P

Date Prep: 04.16.19

LCSD Sample Id: 7675908-1-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)	<8.00	1000	975	98	1010	101	70-135	4	20	mg/kg	04.16.19 11:51	
Diesel Range Organics (DRO)	<8.13	1000	1000	100	1020	102	70-135	2	20	mg/kg	04.16.19 11:51	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	113		126		129		70-135	%	04.16.19 11:51
o-Terphenyl	114		119		125		70-135	%	04.16.19 11:51

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



Trinity Oilfield Services & Rentals, LLC
Red Tank 30-31 St. Com 24Y

Analytical Method: TPH By SW8015 Mod

Seq Number: 3085985

Parent Sample Id: 621042-001

Matrix: Soil

MS Sample Id: 621042-001 S

Prep Method: TX1005P

Date Prep: 04.16.19

MSD Sample Id: 621042-001 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)	12.3	997	1010	100	1020	101	70-135	1	20	mg/kg	04.16.19 12:49	
Diesel Range Organics (DRO)	<8.10	997	1070	107	1080	108	70-135	1	20	mg/kg	04.16.19 12:49	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	127		125		70-135	%	04.16.19 12:49
o-Terphenyl	114		121		70-135	%	04.16.19 12:49

Analytical Method: BTEX by EPA 8021B

Seq Number: 3086143

MB Sample Id: 7676058-1-BLK

Matrix: Solid

LCS Sample Id: 7676058-1-BKS

Prep Method: SW5030B

Date Prep: 04.17.19

LCSD Sample Id: 7676058-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000388	0.101	0.0880	87	0.0926	93	70-130	5	35	mg/kg	04.17.19 19:25	
Toluene	<0.000459	0.101	0.0889	88	0.0930	93	70-130	5	35	mg/kg	04.17.19 19:25	
Ethylbenzene	<0.000569	0.101	0.0822	81	0.0855	86	70-130	4	35	mg/kg	04.17.19 19:25	
m,p-Xylenes	<0.00102	0.202	0.162	80	0.169	85	70-130	4	35	mg/kg	04.17.19 19:25	
o-Xylene	<0.000347	0.101	0.0814	81	0.0853	85	70-130	5	35	mg/kg	04.17.19 19:25	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	91		99		100		70-130	%	04.17.19 19:25
4-Bromofluorobenzene	86		89		90		70-130	%	04.17.19 19:25

Analytical Method: BTEX by EPA 8021B

Seq Number: 3086244

MB Sample Id: 7676130-1-BLK

Matrix: Solid

LCS Sample Id: 7676130-1-BKS

Prep Method: SW5030B

Date Prep: 04.18.19

LCSD Sample Id: 7676130-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00202	0.101	0.0805	80	0.0806	81	70-130	0	35	mg/kg	04.18.19 17:57	
Toluene	<0.00202	0.101	0.0874	87	0.0872	87	70-130	0	35	mg/kg	04.18.19 17:57	
Ethylbenzene	<0.00202	0.101	0.0941	93	0.0939	94	70-130	0	35	mg/kg	04.18.19 17:57	
m,p-Xylenes	<0.00102	0.202	0.194	96	0.192	96	70-130	1	35	mg/kg	04.18.19 17:57	
o-Xylene	<0.00202	0.101	0.0986	98	0.0974	98	70-130	1	35	mg/kg	04.18.19 17:57	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		94		93		70-130	%	04.18.19 17:57
4-Bromofluorobenzene	109		107		105		70-130	%	04.18.19 17:57

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
Red Tank 30-31 St. Com 24Y

Analytical Method: BTEX by EPA 8021B

Seq Number: 3086143

Parent Sample Id: 621042-001

Matrix: Soil

MS Sample Id: 621042-001 S

Prep Method: SW5030B

Date Prep: 04.17.19

MSD Sample Id: 621042-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000385	0.100	0.0829	83	0.0729	73	70-130	13	35	mg/kg	04.17.19 20:03	
Toluene	<0.000456	0.100	0.0826	83	0.0722	73	70-130	13	35	mg/kg	04.17.19 20:03	
Ethylbenzene	<0.000565	0.100	0.0754	75	0.0653	66	70-130	14	35	mg/kg	04.17.19 20:03	X
m,p-Xylenes	<0.00101	0.200	0.149	75	0.128	64	70-130	15	35	mg/kg	04.17.19 20:03	X
o-Xylene	<0.000344	0.100	0.0756	76	0.0659	66	70-130	14	35	mg/kg	04.17.19 20:03	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		99		70-130	%	04.17.19 20:03
4-Bromofluorobenzene	99		95		70-130	%	04.17.19 20:03

Analytical Method: BTEX by EPA 8021B

Seq Number: 3086244

Parent Sample Id: 621548-002

Matrix: Soil

MS Sample Id: 621548-002 S

Prep Method: SW5030B

Date Prep: 04.18.19

MSD Sample Id: 621548-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.000383	0.0996	0.0775	78	0.0735	74	70-130	5	35	mg/kg	04.18.19 18:35	
Toluene	<0.000454	0.0996	0.0789	79	0.0766	77	70-130	3	35	mg/kg	04.18.19 18:35	
Ethylbenzene	<0.000563	0.0996	0.0798	80	0.0771	77	70-130	3	35	mg/kg	04.18.19 18:35	
m,p-Xylenes	<0.00101	0.199	0.163	82	0.158	79	70-130	3	35	mg/kg	04.18.19 18:35	
o-Xylene	<0.000343	0.0996	0.0831	83	0.0811	81	70-130	2	35	mg/kg	04.18.19 18:35	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		97		70-130	%	04.18.19 18:35
4-Bromofluorobenzene	111		116		70-130	%	04.18.19 18:35

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

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

Page 246 of 278
Received by OGD: 12/21/2023 12:04:43 PM
Released to Imaging: 12/22/2023 3:52:18 AM



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

CHAIN OF CUSTODY RECORD

Page 1 of 1
LAB W.O #: 1021047
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			

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 30-31 St. Com 24Y	PO#:
Invoice To: Oxy - Wade Dittrich (575)390-2828	Quote #:
Charge Codes: OP57182239 1214877 01040502	
Sampler Name: Felix Palmero	Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

TAT Work Days = D Need results by: Time: Std (5-7D) 5Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other

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

** 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		

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field Filtered	Integrity OK (Y/N)	Total # of Containers
1	SP-2 @ 5'	4/10/19	1430	S			1
2	SP-2 @ 6.5'	4/11/19	1455	S			1
3							
4							
5							
6							
7							
8							
9							
0							

REMARKS

Reg. Program / Clean-up Std				STATE for Certs & Regs				QA/QC Level & Certification				EDDs		COC & Labels		Coolers Temp °C		Lab Use Only																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																				
CTLs	TRRP	DW	NPDES	LPST	DryCln	FL	TX	GA	NC	SC	NJ	PA	OK	1	2	3	4	CLP	AFCEE	QAPP	ADaPT	SEDD	ERPIMS	Match	Incomplete	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
Other:						LA	AL	NM	Other:					NELAC	DoD-ELAP	Other:					XLS	Other:			Match	Incomplete	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	00																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
Relinquished by				Affiliation				Date				Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received by



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 04/15/2019 07:45:00 AM

Work Order #: 621047

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)?	1.1
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Brianna Teel

Date: 04/15/2019

Checklist reviewed by:

Holly Taylor

Date: 04/16/2019



Certificate of Analysis Summary 621713

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Red Tank 30-31 St.Com 24Y

Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Fri Apr-19-19 12:00 pm

Report Date: 25-APR-19

Project Manager: Holly Taylor

Analysis Requested	Lab Id:	621713-001	621713-002				
	Field Id:	SP-7 @ 5'	SP-7 @ 8'				
	Depth:						
	Matrix:	SOIL	SOIL				
	Sampled:	Apr-17-19 14:19	Apr-17-19 14:55				
BTEX by EPA 8021B	Extracted:	Apr-23-19 17:00	Apr-23-19 17:00				
	Analyzed:	Apr-24-19 01:51	Apr-24-19 02:10				
	Units/RL:	mg/kg RL	mg/kg RL				
Benzene		<0.00199 0.00199	<0.00199 0.00199				
Toluene		<0.00199 0.00199	<0.00199 0.00199				
Ethylbenzene		<0.00199 0.00199	<0.00199 0.00199				
m,p-Xylenes		<0.00398 0.00398	<0.00398 0.00398				
o-Xylene		<0.00199 0.00199	<0.00199 0.00199				
Total Xylenes		<0.00199 0.00199	<0.00199 0.00199				
Total BTEX		<0.00199 0.00199	<0.00199 0.00199				
Chloride by EPA 300	Extracted:	Apr-24-19 14:15	Apr-24-19 14:15				
	Analyzed:	Apr-24-19 20:24	Apr-24-19 20:29				
	Units/RL:	mg/kg RL	mg/kg RL				
Chloride		81.5 4.97	27.2 4.97				
TPH By SW8015 Mod	Extracted:	Apr-24-19 10:00	Apr-24-19 14:00				
	Analyzed:	Apr-25-19 07:23	Apr-25-19 08:00				
	Units/RL:	mg/kg RL	mg/kg RL				
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0				
Diesel Range Organics (DRO)		21.0 15.0	<15.0 15.0				
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	<15.0 15.0				
Total TPH		21.0 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 - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Analytical Report 621713

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo

Red Tank 30-31 St.Com 24Y

25-APR-19

Collected By: Client



1211 W. Florida Ave
Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):

Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):

Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)

Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)

Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)

Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)

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), North Carolina (483)

Xenco-Lakeland: Florida (E84098)



25-APR-19

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

Reference: XENCO Report No(s): **621713**
Red Tank 30-31 St.Com 24Y
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) 621713. 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. 621713 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,

A handwritten signature in black ink that reads 'Holly Taylor'.

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 621713

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St.Com 24Y

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-7 @ 5'	S	04-17-19 14:19		621713-001
SP-7 @ 8'	S	04-17-19 14:55		621713-002



CASE NARRATIVE

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

Project Name: *Red Tank 30-31 St.Com 24Y*

Project ID:

Work Order Number(s): 621713

Report Date: 25-APR-19

Date Received: 04/19/2019

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3086741 BTEX by EPA 8021B

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

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected.

Samples affected are: 621713-001.



Certificate of Analytical Results 621713



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St.Com 24Y

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

Matrix: Soil

Date Received: 04.19.19 12.00

Lab Sample Id: 621713-001

Date Collected: 04.17.19 14.19

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 04.24.19 14.15

Basis: Wet Weight

Seq Number: 3086844

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	81.5	4.97	mg/kg	04.24.19 20.24		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.24.19 10.00

Basis: Wet Weight

Seq Number: 3086860

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.25.19 07.23	U	1
Diesel Range Organics (DRO)	C10C28DRO	21.0	15.0	mg/kg	04.25.19 07.23		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.25.19 07.23	U	1
Total TPH	PHC635	21.0	15.0	mg/kg	04.25.19 07.23		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	97	%	70-135	04.25.19 07.23	
o-Terphenyl	84-15-1	93	%	70-135	04.25.19 07.23	



Certificate of Analytical Results 621713



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St.Com 24Y

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

Matrix: Soil

Date Received: 04.19.19 12.00

Lab Sample Id: 621713-001

Date Collected: 04.17.19 14.19

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.23.19 17.00

Basis: Wet Weight

Seq Number: 3086741

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	04.24.19 01.51	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	04.24.19 01.51	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	04.24.19 01.51	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	04.24.19 01.51	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	04.24.19 01.51	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	04.24.19 01.51	U	1
Total BTEX		<0.00199	0.00199	mg/kg	04.24.19 01.51	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	139	%	70-130	04.24.19 01.51	**	
1,4-Difluorobenzene	540-36-3	92	%	70-130	04.24.19 01.51		



Certificate of Analytical Results 621713



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St.Com 24Y

Sample Id: **SP-7 @ 8'**

Matrix: Soil

Date Received: 04.19.19 12.00

Lab Sample Id: 621713-002

Date Collected: 04.17.19 14.55

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: SPC

% Moisture:

Analyst: SPC

Date Prep: 04.24.19 14.15

Basis: Wet Weight

Seq Number: 3086844

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	27.2	4.97	mg/kg	04.24.19 20.29		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 04.24.19 14.00

Basis: Wet Weight

Seq Number: 3086863

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	04.25.19 08.00	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	04.25.19 08.00	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	04.25.19 08.00	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	04.25.19 08.00	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	04.25.19 08.00	
o-Terphenyl	84-15-1	92	%	70-135	04.25.19 08.00	



Certificate of Analytical Results 621713



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Red Tank 30-31 St.Com 24Y

Sample Id: **SP-7 @ 8'**

Matrix: Soil

Date Received: 04.19.19 12.00

Lab Sample Id: 621713-002

Date Collected: 04.17.19 14.55

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 04.23.19 17.00

Basis: Wet Weight

Seq Number: 3086741

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	04.24.19 02.10	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	04.24.19 02.10	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	04.24.19 02.10	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	04.24.19 02.10	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	04.24.19 02.10	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	04.24.19 02.10	U	1
Total BTEX		<0.00199	0.00199	mg/kg	04.24.19 02.10	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	102	%	70-130	04.24.19 02.10		
4-Bromofluorobenzene	460-00-4	123	%	70-130	04.24.19 02.10		



Flagging Criteria



- 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 30-31 St.Com 24Y

Analytical Method: Chloride by EPA 300

Seq Number: 3086844

MB Sample Id: 7676506-1-BLK

Matrix: Solid

LCS Sample Id: 7676506-1-BKS

Prep Method: E300P

Date Prep: 04.24.19

LCSD Sample Id: 7676506-1-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	253	101	253	101	90-110	0	20	mg/kg	04.24.19 19:16	

Analytical Method: Chloride by EPA 300

Seq Number: 3086844

Parent Sample Id: 621705-019

Matrix: Soil

MS Sample Id: 621705-019 S

Prep Method: E300P

Date Prep: 04.24.19

MSD Sample Id: 621705-019 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	0.880	248	273	110	281	113	90-110	3	20	mg/kg	04.24.19 19:32	X

Analytical Method: Chloride by EPA 300

Seq Number: 3086844

Parent Sample Id: 621714-001

Matrix: Soil

MS Sample Id: 621714-001 S

Prep Method: E300P

Date Prep: 04.24.19

MSD Sample Id: 621714-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	34.2	250	287	101	273	96	90-110	5	20	mg/kg	04.24.19 20:45	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3086860

MB Sample Id: 7676472-1-BLK

Matrix: Solid

LCS Sample Id: 7676472-1-BKS

Prep Method: TX1005P

Date Prep: 04.24.19

LCSD Sample Id: 7676472-1-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)	<8.00	1000	1100	110	1010	101	70-135	9	20	mg/kg	04.24.19 15:23	
Diesel Range Organics (DRO)	<8.13	1000	1160	116	1050	105	70-135	10	20	mg/kg	04.24.19 15:23	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	97		130		116		70-135	%	04.24.19 15:23
o-Terphenyl	99		125		112		70-135	%	04.24.19 15:23

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
Red Tank 30-31 St.Com 24Y

Analytical Method: TPH By SW8015 Mod

Seq Number: 3086863

MB Sample Id: 7676473-1-BLK

Matrix: Solid

LCS Sample Id: 7676473-1-BKS

Prep Method: TX1005P

Date Prep: 04.24.19

LCSD Sample Id: 7676473-1-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)	<8.00	1000	1020	102	1030	103	70-135	1	20	mg/kg	04.25.19 00:30	
Diesel Range Organics (DRO)	<8.13	1000	1050	105	1070	107	70-135	2	20	mg/kg	04.25.19 00:30	
Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane	98		123		126		70-135	%	04.25.19 00:30			
o-Terphenyl	99		114		117		70-135	%	04.25.19 00:30			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3086860

Parent Sample Id: 621699-041

Matrix: Soil

MS Sample Id: 621699-041 S

Prep Method: TX1005P

Date Prep: 04.24.19

MSD Sample Id: 621699-041 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)	<7.99	998	784	79	893	90	70-135	13	20	mg/kg	04.24.19 16:22	
Diesel Range Organics (DRO)	52.7	998	840	79	935	88	70-135	11	20	mg/kg	04.24.19 16:22	
Surrogate			MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane			99		107		70-135	%	04.24.19 16:22			
o-Terphenyl			81		89		70-135	%	04.24.19 16:22			

Analytical Method: TPH By SW8015 Mod

Seq Number: 3086863

Parent Sample Id: 621715-001

Matrix: Soil

MS Sample Id: 621715-001 S

Prep Method: TX1005P

Date Prep: 04.24.19

MSD Sample Id: 621715-001 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)	12.7	998	974	96	992	98	70-135	2	20	mg/kg	04.25.19 01:29	
Diesel Range Organics (DRO)	<8.11	998	1040	104	1060	106	70-135	2	20	mg/kg	04.25.19 01:29	
Surrogate			MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date			
1-Chlorooctane			124		127		70-135	%	04.25.19 01:29			
o-Terphenyl			102		108		70-135	%	04.25.19 01:29			

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
Red Tank 30-31 St.Com 24Y

Analytical Method: BTEX by EPA 8021B

Seq Number: 3086741

MB Sample Id: 7676425-1-BLK

Matrix: Solid

LCS Sample Id: 7676425-1-BKS

Prep Method: SW5030B

Date Prep: 04.23.19

LCSD Sample Id: 7676425-1-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	0.0894	89	0.101	100	70-130	12	35	mg/kg	04.23.19 23:59	
Toluene	<0.00200	0.100	0.0897	90	0.101	100	70-130	12	35	mg/kg	04.23.19 23:59	
Ethylbenzene	<0.00200	0.100	0.0942	94	0.106	105	70-130	12	35	mg/kg	04.23.19 23:59	
m,p-Xylenes	<0.00400	0.200	0.190	95	0.213	105	70-130	11	35	mg/kg	04.23.19 23:59	
o-Xylene	<0.00200	0.100	0.0979	98	0.109	108	70-130	11	35	mg/kg	04.23.19 23:59	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	108		98		96		70-130	%	04.23.19 23:59
4-Bromofluorobenzene	106		109		108		70-130	%	04.23.19 23:59

Analytical Method: BTEX by EPA 8021B

Seq Number: 3086741

Parent Sample Id: 621713-001

Matrix: Soil

MS Sample Id: 621713-001 S

Prep Method: SW5030B

Date Prep: 04.23.19

MSD Sample Id: 621713-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00198	0.0992	0.0869	88	0.0931	93	70-130	7	35	mg/kg	04.24.19 00:37	
Toluene	<0.00198	0.0992	0.0845	85	0.0911	91	70-130	8	35	mg/kg	04.24.19 00:37	
Ethylbenzene	<0.00198	0.0992	0.0830	84	0.0900	90	70-130	8	35	mg/kg	04.24.19 00:37	
m,p-Xylenes	<0.00397	0.198	0.169	85	0.183	91	70-130	8	35	mg/kg	04.24.19 00:37	
o-Xylene	<0.00198	0.0992	0.0871	88	0.0942	94	70-130	8	35	mg/kg	04.24.19 00:37	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	98		99		70-130	%	04.24.19 00:37
4-Bromofluorobenzene	109		114		70-130	%	04.24.19 00:37

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
;roool-c

Page 1 of 1

LAB W.O #:

621713

Field billable Hrs:

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 30-31 St. Com 24Y PO#:
Invoice To: Oxy - Wade Dittrich (575)390-2828 Quote #:
Charge Codes: OP57182239 1214877 01040502

TAT Work Days = D Need results by: Time:
Std (5-7D) 5Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other

* 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
B.	HNO ₃	F.	MeOH
C.	H ₂ SO ₄	G.	Na ₂ S ₂ O ₃
D.	NaOH	H.	NaHSO ₄
I.	Ice	J.	MCAA
K.	ZnAc&NaOH	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			

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

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field Filled	Integrity OK (Y/N)	Total # of containers
1	SP-7 @ 5'	11/17/19	1419	S			1
2	SP-7 @ 8'	11/17/19	1455	S			1
3							
4							
5							
6							
7							
8							
9							
0							

ANALYSES REQUESTED									
Cont Type * VC	GC	GC	GC						
Pres Type**	I	I	I						
Example Volatiles by 8260	TPH 8015M	BTEX	Chloride						
# Cont	Lab Only:								
1	X	X	X						
2	X	X	X						
3									
4									
5									
6									
7									
8									
9									
0									

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

REMARKS

Reg. Program / Clean-up Std					STATE for Certs & Regs					QA/QC Level & Certification					EDDs			COC & Labels		Coolers Temp °C			Lab Use Only		
CTLs	TRRP	DW	NPDES	LPST DryCln	FL TX GA NC SC NJ PA OK	LA AL NM	Other:			1 2 3 4 CLP	AFCEE QAPP	ADAPT SEDD ERPIMS	Match Incomplete Absent Unclear	1 2 3	2.6										
Relinquished by					Affiliation					Date					Time			Received by		Affiliation			Date		
1					Trinity					4/18/19					11:13			Esmeralda Gonzalez		Mail Service			4/18/19		
2					Mail Service					4/18/19					2:16			PAUL		Xenco			4/19/19		
3																									
4																									

3&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

ORIGIN ID: H08A (515) 392-7550
MAIL SERVICES ETC, LLC
4008 N GRIMES
HOBBS, NM 88240
UNITED STATES US

SHIP DATE: 18 APR 19
ACTWGT: 13.00 LB MAN
CRD: 0909328 / CAFE3211
DIMS: 13x11x10 IN
BILL RECIPIENT

TO XENCO LABORATORIES
FEDEX EXPRESS SHIP CENTER
FEDEX EXPRESS SHIP CENTER
3600 COUNTY ROAD 1276 SOUTH
MIDLAND TX 79711

DEPT: REF: (432) 563-1800

INVT PO: 4705 2520 6741

41 MAFA

TX-US

FRI - 19 APR HOLD
STANDARD OVERNIGHT
HLB
MAFA
LBB

5611075184C

5611075184C



Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 04/19/2019 12:00:00 PM

Work Order #: 621713

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	2.6
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Brianna Teel

Date: 04/19/2019

Checklist reviewed by:

Holly Taylor

Date: 04/22/2019



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

June 26, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: RED TANK 30-31 STATE COM #24

Enclosed are the results of analyses for samples received by the laboratory on 06/22/23 8:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 DAN DUNKELBERG
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received:	06/22/2023	Sampling Date:	06/20/2023
Reported:	06/26/2023	Sampling Type:	Soil
Project Name:	RED TANK 30-31 STATE COM #24	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - LEA CO., NM		

Sample ID: CF-001.0-02.0-S (H233229-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.21	110	2.00	1.96	
Toluene*	<0.050	0.050	06/23/2023	ND	2.12	106	2.00	5.18	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.06	103	2.00	2.06	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.34	106	6.00	2.02	
Total BTX	<0.300	0.300	06/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	06/22/2023	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	172	86.0	200	1.32	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	151	75.7	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 DAN DUNKELBERG
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received:	06/22/2023	Sampling Date:	06/20/2023
Reported:	06/26/2023	Sampling Type:	Soil
Project Name:	RED TANK 30-31 STATE COM #24	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - LEA CO., NM		

Sample ID: CF-002.0-02.0-S (H233229-02)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/23/2023	ND	2.21	110	2.00	1.96		
Toluene*	<0.050	0.050	06/23/2023	ND	2.12	106	2.00	5.18		
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.06	103	2.00	2.06		
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.34	106	6.00	2.02		
Total BTEX	<0.300	0.300	06/23/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	06/22/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	172	86.0	200	1.32	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	151	75.7	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 DAN DUNKELBERG
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received:	06/22/2023	Sampling Date:	06/20/2023
Reported:	06/26/2023	Sampling Type:	Soil
Project Name:	RED TANK 30-31 STATE COM #24	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - LEA CO., NM		

Sample ID: CF-003.0-02.0-S (H233229-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.21	110	2.00	1.96	
Toluene*	<0.050	0.050	06/23/2023	ND	2.12	106	2.00	5.18	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.06	103	2.00	2.06	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.34	106	6.00	2.02	
Total BTEx	<0.300	0.300	06/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	06/22/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	172	86.0	200	1.32	
DRO >C10-C28*	<10.0	10.0	06/22/2023	ND	151	75.7	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC
 DAN DUNKELBERG
 P. O. BOX 2587
 HOBBS NM, 88241
 Fax To: NONE

Received:	06/22/2023	Sampling Date:	06/20/2023
Reported:	06/26/2023	Sampling Type:	Soil
Project Name:	RED TANK 30-31 STATE COM #24	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	OXY - LEA CO., NM		

Sample ID: CW-001.0-01.0-S (H233229-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/23/2023	ND	2.21	110	2.00	1.96	
Toluene*	<0.050	0.050	06/23/2023	ND	2.12	106	2.00	5.18	
Ethylbenzene*	<0.050	0.050	06/23/2023	ND	2.06	103	2.00	2.06	
Total Xylenes*	<0.150	0.150	06/23/2023	ND	6.34	106	6.00	2.02	
Total BTEX	<0.300	0.300	06/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	06/22/2023	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/22/2023	ND	172	86.0	200	1.32	
DRO >C10-C28*	11.5	10.0	06/22/2023	ND	151	75.7	200	4.75	
EXT DRO >C28-C36	<10.0	10.0	06/22/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

A handwritten signature in black ink, appearing to read "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Page 7 of 7

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 297031

QUESTIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:
	16696
	Action Number:
	297031
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nOY1803750274
Incident Name	NOY1803750274 RED TANK 30 31 @ 30-025-44161
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-44161] RED TANK 30 31 STATE COM #024Y

Location of Release Source

Please answer all the questions in this group.

Site Name	RED TANK 30 31
Date Release Discovered	02/01/2018
Surface Owner	State

Incident Details

Please answer all the questions in this group.

Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Cause: Equipment Failure Tank (Any) Crude Oil Released: 45 BBL Recovered: 0 BBL Lost: 45 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 2

Action 297031

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:	16696
	Action Number:	297031
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 12/21/2023
--	--

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 3

Action 297031

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:	16696
	Action Number:	297031
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	263
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	1960
GRO+DRO	(EPA SW-846 Method 8015M)	1499
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.4
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	06/20/2023
On what date will (or did) the final sampling or liner inspection occur	06/20/2023
On what date will (or was) the remediation complete(d)	06/20/2023
What is the estimated surface area (in square feet) that will be reclaimed	481
What is the estimated volume (in cubic yards) that will be reclaimed	70
What is the estimated surface area (in square feet) that will be remediated	481
What is the estimated volume (in cubic yards) that will be remediated	70

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 4

Action 297031

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:	16696
	Action Number:	297031
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:

(Select all answers below that apply.)	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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.

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 12/21/2023
--	---

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 5

Action 297031

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 297031
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 6

Action 297031

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:	16696
	Action Number:	297031
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	296260
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/22/2023
What was the (estimated) number of samples that were to be gathered	4
What was the sampling surface area in square feet	481

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	481
What was the total volume (cubic yards) remediated	36
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	481
What was the total volume (in cubic yards) reclaimed	36
Summarize any additional remediation activities not included by answers (above)	NA

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (in .pdf format) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD 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 OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD 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. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator Email: wade_dittrich@oxy.com Date: 12/21/2023
--	---

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720

District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 7

Action 297031

QUESTIONS (continued)

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 297031
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 297031

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:
	16696
	Action Number:
	297031
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

CONDITIONS

Created By	Condition	Condition Date
bhall	Remediation closure approved. A reclamation and revegetation report will need to be submitted when the release area is no longer reasonably needed for production operations or for subsequent drilling operations.	12/22/2023
bhall	Please review the December 1, 2023 Public Notice titled "Implementation of Digital C-141 and New Incident Statuses" found on the EMNRD website. When the release area is no longer reasonably needed for production operations or for subsequent drilling operations, submit a complete and accurate reclamation report and revegetation report that complies with all of the requirements in 19.15.29.13 NMAC.	12/22/2023