

***** LIQUID SPILLS - VOLUME CALCULATIONS *****																																																							
Location of spill:		FEDERAL 12 #014H (32.3996506, -103.7242584 )			Date of Spill: 11/10/2017																																																		
Estimated Daily Production Loss:		1 BBL Oil		7 BBL Water		Site Soil Type: BB —Berino complex																																																	
<b>Total Area Calculations</b>																																																							
<b>Total Surface Area</b>	<b>width</b>		<b>length</b>		<b>wet soil depth</b>	<b>oil (%)</b>																																																	
Rectangle Area #1	10.0 ft	X	30.0 ft	X	1.5 in	13%																																																	
Rectangle Area #2	40.0 ft	X	50.0 ft	X	1.5 in	13%																																																	
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Rectangle Area #8	ft	X	ft	X	in	0%																																																	
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## NM OIL CONSERVATION

ARTESIA DISTRICT

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

State of New Mexico  
Energy Minerals and Natural Resources

NOV 15 2017

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  
RECEIVED accordance with 19.15.29 NMAC.

## Release Notification and Corrective Action

NAB1732444101 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	FEDERAL 12 #14H	Facility Type	BATTERY

Surface Owner	FEDERAL	Mineral Owner	FEDERAL	API No.	30-015-40821
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## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	12	22S	31E	330	SOUTH	405	EAST	EDDY

Latitude 32.399528 Longitude -103.723766 NAD83

## NATURE OF RELEASE

Type of Release	OIL & PRODUCED WATER	Volume of Release	1 BBLS OIL & 7 BBLS PRODUCED WATER	Volume Recovered	TBD
Source of Release	GASKET SEAL ON HEATER TREATER FAILURE	Date and Hour of Occurrence	11/10/2017	Date and Hour of Discovery	11/11/2017
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? MIKE BRATCHER-NMOCD; CRYSTAL WEAVER-NMOCD; SHELLY TUCKER-BLM			
By Whom?	WADE DITTRICH	Date and Hour	11/11/2017 @ 7:41 PM		
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.\*


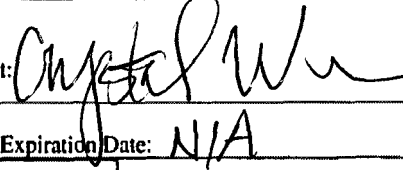
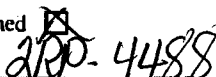
Describe Cause of Problem and Remedial Action Taken.\*

The release was caused by a gasket seal on the heater treater failed. Gasket was fixed and returned to service.

Describe Area Affected and Cleanup Action Taken.\*

The affected area was 10x30ft, 40x50ft (measurements are subject to change with GPS tracking). Remediation will be completed in accordance with a remediation plan approved by the NMOCD and the BLM.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: WADE DITTRICH	Approved by Environmental Specialist: 	
Title: ENVIROMENTAL COORDINATOR	Approval Date: 11/20/17	Expiration Date: N/A
E-mail Address: wade_dittrich@oxy.com	Conditions of Approval: see attached	
Date: 11-15-17 Phone: 575-390-2828	Attached  4488	

\* Attach Additional Sheets If Necessary

Incident ID	NAB1732444101
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?	55' (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 <b>not</b> on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input 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.*

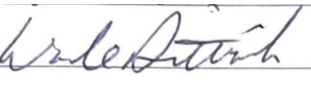
- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile 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.

Oil Conservation Division

Incident ID	NAB1732444101
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: 12/29/2023  
email: Wade\_Dittrich@oxy.com Telephone: 575-390-2828

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

Incident ID	NAB1732444101
District RP	
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## 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: 12/29/2023

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: \_\_\_\_\_

# Trinity Oilfield Services & Rentals, LLC



December 29<sup>th</sup>, 2023

Oil Conservation Division, District II  
811 South First Street,  
Artesia, New Mexico 88210

Re: **Closure Request**  
**Federal 12 #014H**  
**Tracking #: NAB1732444101**

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	NAB1732444101
Site Name	Federal 12 #014H
Company	OXY USA, Inc.
County	Eddy
ULSTR	P-12-22S-31E
GPS Coordinates (NAD 83)	32.3996506, -103.7242584
Landowner	Federal

## 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 11/11/2017, OXY USA, Inc. reported a release at the Federal 12 #014H. The release was caused when a a gasket seal on the heater treater failed. Approximately 22,784 sqft. of the Pad and Pasture was found to be damp upon initial inspection.

Release Information	
Date of Release	11/10/2017
Type of Release	Crude Oil and Produced Water
Source of Release	Equipment Failure
Volume Released – Produced Water	7 bbls
Volume Recovered – Produced Water	0 bbls
Volume Released – Crude Oil	1 bbls
Volume Recovered – Crude Oil	0 bbls
Affected Area – Damp Soil	Pad and Pasture - Approximately 22,784 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	C-04144-POD2	02/15/2018	55'
USGS	NA	NA	NA
Soil Bore	NA	NA	NA

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 One (1) well 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.

**General Site Characterization:**

Site Assessment	
Karst Potential	Low
Distance to Watercourse	> 1000 ft.
Within 100 yr Floodplain	No
Pasture Impact	Yes

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	10,000 mg/kg
TPH (GRO and DRO and MRO)	2,500 mg/kg
TPH (GRO and DRO)	1,000 mg/kg
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.

**REMEDIATION ACTIVITIES****Confirmation Activities:**

<b>Remediation Summary</b>	
Remediation Dates	03/08/2023 - 09/29/2023
Workplan Approved	06/07/2018
Confirmation Sample Notification	03/07/2023
Liner Variance Request	None
Deferral Request	None
Depths Excavated	0.2'
Area Represented by the required 5-point Confirmation Samples – Floors and Walls	200 sqft.
Total Volume of Excavated Soil	169 yards
Remediation Map	Attached
Laboratory Results	Table 1

Sample CW-006.0-00.0-S has been intentionally excluded from the data presented in Table 1. The omission is attributed to a user error that transpired during the sampling process wherein the sample was mislabeled.

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 Wall 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
Remediation Map	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.  
FEDERAL 12 #014H  
EDDY COUNTY, NEW MEXICO  
NMOCD REFERENCE #: NAB1732444101



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							10000	2500	1000	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4'							600	100	NE	NE	NE	NE	50	10
Remediation Floors														
CF-001-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	80.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-002-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	128.00	112.20	37.80	<10.0	37.80	74.40	<.300	<0.50
CF-003-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	2,280.00	61.60	40.30	<10.0	40.30	21.30	<.300	<0.50
CF-004-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	1,170.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-005-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	208.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-006-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	160.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-007-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	96.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-008-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	64.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-009-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	160.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-010-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	720.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-011-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	3,520.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-012-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	5,440.00	13.80	13.80	<10.0	13.80	<10.0	<.300	<0.50
CF-013-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	416.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-014-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	432.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-015-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	3,120.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-016-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	5,520.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-017-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	5,040.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-018-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	2,320.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-019-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	5,680.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-020-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	4,400.00	43.80	43.80	<10.0	43.80	<10.0	<.300	<0.50
CF-021-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	3,680.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-022-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	144.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-023-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	784.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-024-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	1,520.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-025-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	2,960.00	22.80	22.80	<10.0	22.80	<10.0	<.300	<0.50
CF-026-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	832.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-027-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	288.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-028-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	6,400.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-029-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	3,680.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-030-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	240.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-031-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	960.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-032-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	1,800.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-033-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	1,640.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-034-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	400.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-035-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	272.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-036-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	144.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-037-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	256.00	13.70	13.70	<10.0	13.70	<10.0	<.300	<0.50

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

OXY USA, INC.  
FEDERAL 12 #014H  
EDDY COUNTY, NEW MEXICO  
NMOCD REFERENCE #: NAB1732444101




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							10000	2500	1000	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4'							600	100	NE	NE	NE	NE	50	10
CF-038-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	1,740.00	335.40	301.00	<10.0	301.00	34.40	<.300	<0.50
CF-039-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	2,600.00	700.40	630.00	<10.0	630.00	70.40	<.300	<0.50
CF-040-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	1,700.00	16.30	16.30	<10.0	16.30	<10.0	<.300	<0.50
CF-041-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	3,080.00	13.20	13.20	<10.0	13.20	<10.0	<.300	<0.50
CF-042-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	3,200.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-043-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	816.00	1,227.00	887.00	<10.0	887.00	340.00	<.300	<0.50
CF-044-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	1,470.00	81.20	81.20	<10.0	81.20	<10.0	<.300	<0.50
CF-045-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	3,200.00	24.70	24.70	<10.0	24.70	<10.0	<.300	<0.50
CF-046-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	3,520.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-047-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	2,680.00	31.80	31.80	<10.0	31.80	<10.0	<.300	<0.50
CF-048-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	1,800.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-049-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	2,360.00	19.60	19.60	<10.0	19.60	<10.0	<.300	<0.50
CF-050-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	1,120.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-051-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	1,360.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-052-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	432.00	309.90	264.00	<10.0	264.00	45.90	<.300	<0.50
CF-053-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	400.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-054-00.2-NA-S	0.2	3/8/2023	Floor	On-Site	Composite	In-Situ	240.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-055-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	448.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-056-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	208.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-057-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	704.00	11.30	11.30	<10.0	11.30	<10.0	<.300	<0.50
CF-058-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	1,070.00	52.80	32.00	<10.0	32.00	20.80	<.300	<0.50
CF-059-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	1,680.00	46.80	21.90	<10.0	21.90	24.90	<.300	<0.50
CF-060-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	1,600.00	32.40	21.30	<10.0	21.30	11.10	<.300	<0.50
CF-061-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	880.00	15.80	15.80	<10.0	15.80	<10.0	<.300	<0.50
CF-062-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	576.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-063-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	464.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-064-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	112.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-065-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	896.00	646.00	302.00	<10.0	302.00	344.00	<.300	<0.50
CF-066-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	96.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-067-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	64.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-068-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	480.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-069-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	320.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-070-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	736.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-071-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	528.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-072-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	368.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-073-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	272.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-074-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-075-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	432.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50

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

OXY USA, INC.  
FEDERAL 12 #014H  
EDDY COUNTY, NEW MEXICO  
NMOCD REFERENCE #: NAB1732444101



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							10000	2500	1000	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4'							600	100	NE	NE	NE	NE	50	10
CF-076-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	832.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-077-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	64.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-078-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	48.00	24.90	14.60	<10.0	14.60	10.30	<.300	<0.50
CF-079-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	64.00	39.30	25.80	<10.0	25.80	13.50	<.300	<0.50
CF-080-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	80.00	134.80	88.30	<10.0	88.30	46.50	<.300	<0.50
CF-081-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	224.00	38.80	28.40	<10.0	28.40	10.40	<.300	<0.50
CF-082-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	256.00	26.00	13.90	<10.0	13.90	12.10	<.300	<0.50
CF-083-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	224.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-084-00.2-NA-S	0.2	3/9/2023	Floor	On-Site	Composite	In-Situ	208.00	22.80	22.80	<10.0	22.80	<10.0	<.300	<0.50
CF-085-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	192.00	131.40	76.50	<10.0	76.50	54.90	<.300	<0.50
CF-086-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	496.00	418.00	267.00	<10.0	267.00	151.00	<.300	<0.50
CF-087-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	224.00	77.50	53.10	<10.0	53.10	24.40	<.300	<0.50
CF-088-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	320.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-089-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	432.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-090-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	560.00	913.00	640.00	<10.0	640.00	273.00	<.300	<0.50
CF-091-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	1,890.00	668.00	457.00	<10.0	457.00	211.00	<.300	<0.50
CF-092-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	528.00	656.00	393.00	<10.0	393.00	263.00	<.300	<0.50
CF-093-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	304.00	23.80	11.30	<10.0	11.30	12.50	<.300	<0.50
CF-094-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	176.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-095-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	304.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-096-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	1,040.00	311.00	213.00	<10.0	213.00	98.00	<.300	<0.50
CF-097-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	1,300.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-098-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	560.00	256.70	198.00	<10.0	198.00	58.70	<.300	<0.50
CF-099-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	368.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-100-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	192.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-101-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	800.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-102-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	2,820.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-103-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	2,200.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-104-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	1,170.00	22.60	22.60	<10.0	22.60	<10.0	<.300	<0.50
CF-105-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	880.00	794.00	573.00	<10.0	573.00	221.00	<.300	<0.50
CF-106-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	560.00	10.40	<10.0	<10.0	<10.0	10.40	<.300	<0.50
CF-107-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	1,470.00	11.70	11.70	<10.0	11.70	<10.0	<.300	<0.50
CF-108-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	1,810.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-109-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	480.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-110-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	928.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-111-00.2-NA-S	0.2	3/10/2023	Floor	On-Site	Composite	In-Situ	112.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-112-00.2-NA-P	0.2	3/10/2023	Floor	Off-Site	Composite	In-Situ	48.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-113-00.2-NA-P	0.2	3/10/2023	Floor	Off-Site	Composite	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50

TABLE 1 CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL														
OXY USA, INC. FEDERAL 12 #014H EDDY COUNTY, NEW MEXICO NMOCD REFERENCE #: NAB1732444101														
														
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							10000	2500	1000	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4'							600	100	NE	NE	NE	NE	50	10
CF-114-00.2-NA-P	0.2	3/10/2023	Floor	Off-Site	Composite	In-Situ	48.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-115-00.2-NA-P	0.2	3/10/2023	Floor	Off-Site	Composite	In-Situ	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
Remediation Walls														
CW-001.0-00.1-S	0.1	8/28/2023	Wall	On-Site	Composite	Excavated	32.00	113.90	85.70	<10.0	85.70	28.20	<.300	<0.50
CW-001.1-00.0-S	0.2	9/29/2023	Wall	On-Site	Composite	In-Situ	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-002.0-00.1-S	0.1	8/28/2023	Wall	On-Site	Composite	Excavated	32.00	105.20	82.40	<10.0	82.40	22.80	<.300	<0.50
CW-002.1-00.0-S	0.2	9/29/2023	Wall	On-Site	Composite	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-003.0-00.1-S	0.1	8/28/2023	Wall	On-Site	Composite	In-Situ	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-004.0-00.1-S	0.1	8/28/2023	Wall	On-Site	Composite	In-Situ	288.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-005.0-00.1-S	0.1	8/28/2023	Wall	On-Site	Composite	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50



## Excavation

Pad:



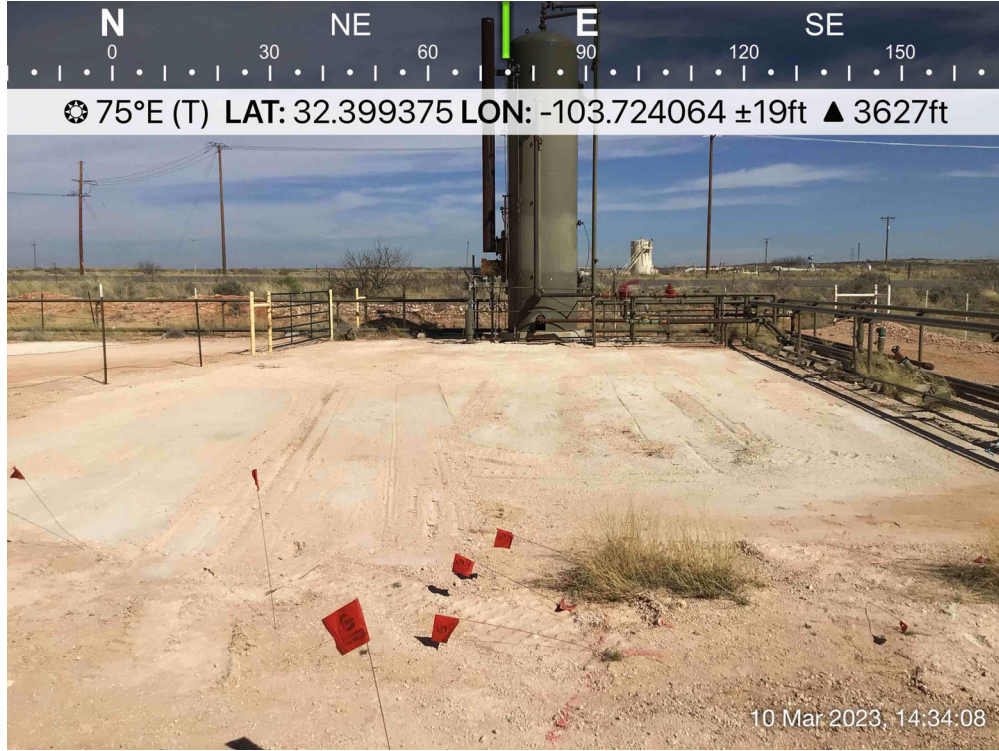
Pad:





## Excavation

Pad:



Pad:





## Excavation

Pad:



Pad:



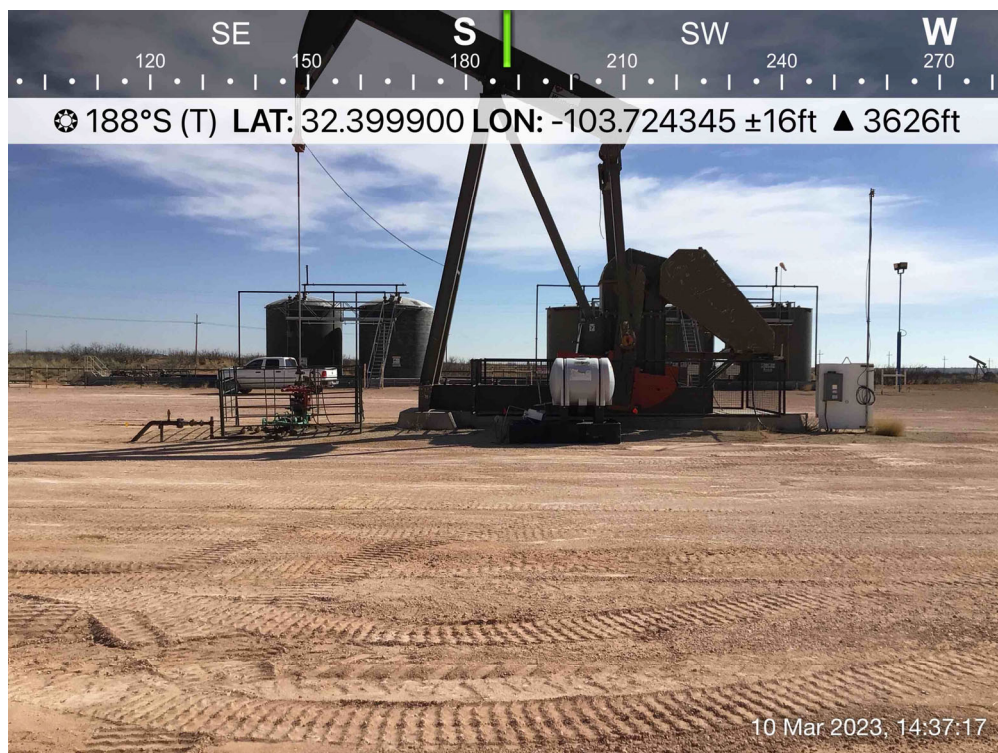


## Excavation

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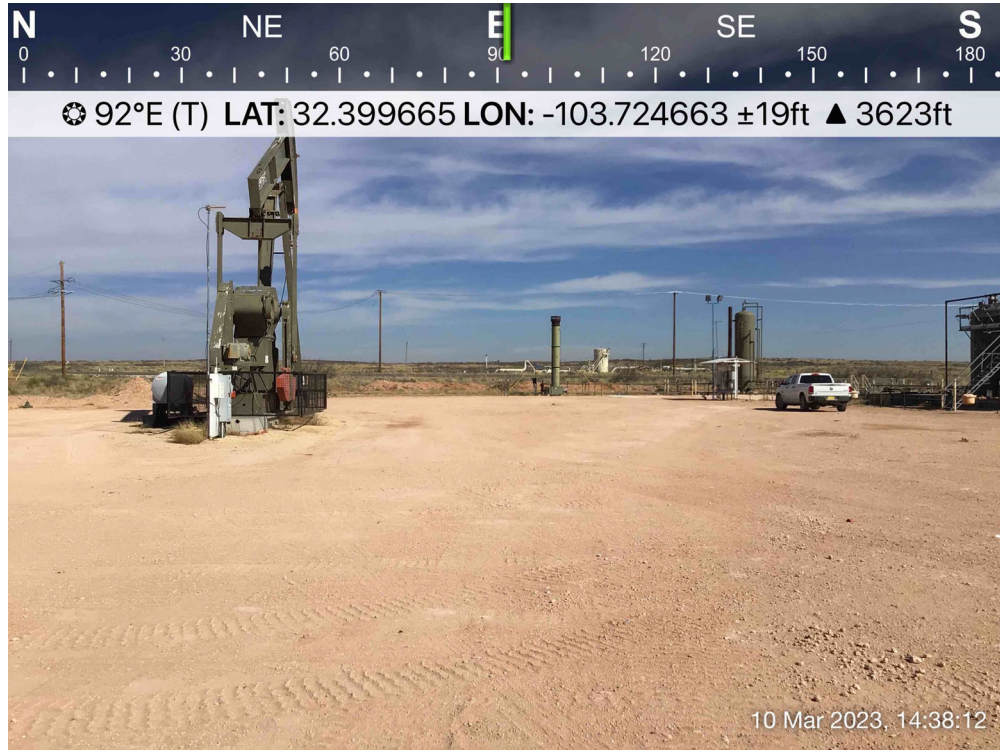
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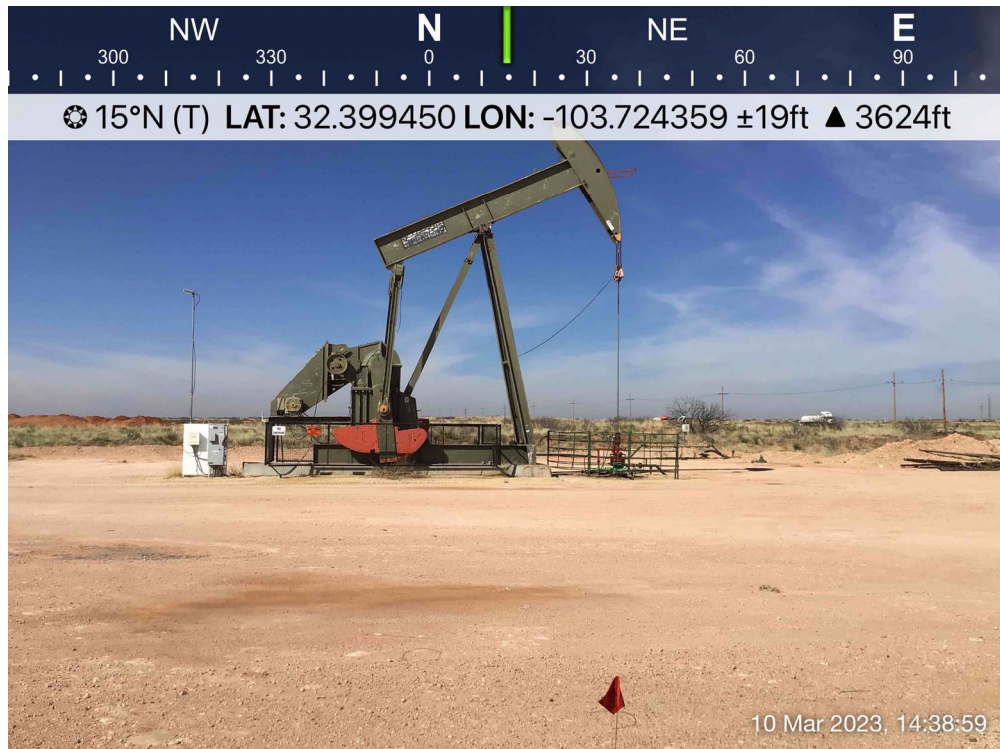


## Excavation

Pad:



Pad:





Cynthia Jordan <cynthia@trinityoilfieldservices.com>

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## Confirmation Sample Notification - NAB1732444101 2017 MINOR A SWS (FEDERAL 12 #014H)

1 message

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**Dan Dunkelberg** <dan@trinityoilfieldservices.com>

Tue, Mar 7, 2023 at 8:58 AM

To: OCD.Enviro@emnrd.nm.gov

Cc: Josh Halcomb <josh@trinityoilfieldservices.com>, Cynthia Jordan <cynthia@trinityoilfieldservices.com>

This is a notification that Trinity Oilfield Services will conduct confirmation sampling on behalf of OXY USA Inc. at the above referenced site on Thursday, March 9, 2023, at 10:00 a.m.

Dan Dunkelberg  
Environmental Regulatory Manager




Trinity Oilfield Services & Rentals, LLC  
Cell: (575) 602-2403



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
NA	C 04144 POD2	3	1	3	07	22S	32E	620147	3585768		
Driller License:		1456		Driller Company:		WHITE DRILLING COMPANY					
Driller Name:		ATKINS., WILLIAM B.									
Drill Start Date:		01/30/2018		Drill Finish Date:		01/30/2018		Plug Date:			
Log File Date:		02/15/2018		PCW Rev Date:				Source:		Shallow	
Pump Type:				Pipe Discharge Size:				Estimated Yield:			
Casing Size:		2.00		Depth Well:		60 feet		Depth Water:		55 feet	
Water Bearing Stratifications:					Top	Bottom	Description				
					52	56	Sandstone/Gravel/Conglomerate				
					56	59	Sandstone/Gravel/Conglomerate				
					59	60	Shale/Mudstone/Siltstone				
Casing Perforations:					Top	Bottom					
					40	60					

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.



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

STATE ENGINEER'S OFFICE  
ROSWELL, NEW MEXICO

2010 FEB 15 AM 10:35

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) MW-2 (POD 2)		WELL TAG ID NO.		OSE FILE NO(S). C-4144			
	WELL OWNER NAME(S) EOG Resources				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS 5509 Champion Drive				CITY Midland	STATE TX	ZIP 87110	
	WELL LOCATION (FROM GPS)	DEGREES 32		MINUTES 24	SECONDS 8.99	N		
		LONGITUDE 103		43	20.78	W		
* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84								
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE Flamenco Fed #1								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1456		NAME OF LICENSED DRILLER John W. White			NAME OF WELL DRILLING COMPANY White Drilling Company, Inc.		
	DRILLING STARTED 1/30/2018		DRILLING ENDED 1/30/2018		DEPTH OF COMPLETED WELL (FT) 60.0	BORE HOLE DEPTH (FT)	DEPTH WATER FIRST ENCOUNTERED (FT) 55.0	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) 57.10		
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0.0	40.0	6.25	Sch. 40 PVC	Threads	2.0	1/4"	
	40.0	60.0	6.25	Sch. 40 PVC	Threads	2.0	1/4"	.010
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0.0	10.0	6.25	Cement	1.96	Hand Mix		
	10.0	38.0	6.25	Bentonite Chips	11 Sacks	Hand Mix		
	38.0	60.0	6.25	20/40 Sand	9 Sacks	Hand Mix		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 06/30/17)

FILE NO. C-4144	POD NO. 12	TRN NO. 612679
LOCATION 22S.32E.7.3.1.3	WELL TAG ID NO. N/A	PAGE 1 OF 2

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0.0	4.0	4.0	Brown/reddish brown sand/clayey sand	Y ✓ N	
	4.0	8.0	4.0	Caliche	Y ✓ N	
	8.0	23.0	15.0	Brown sand/sandstone	Y ✓ N	
	23.0	30.0	7.0	Dark brown/reddish brown silty sandstone	Y ✓ N	
	30.0	37.0	7.0	Brown silty sandstone	Y ✓ N	
	37.0	43.0	6.0	Light brown sandstone w/dark gray gravel (Cemented gravel)	Y ✓ N	
	43.0	47.0	4.0	Dark reddish brown silty sandstone	Y ✓ N	
	47.0	52.0	5.0	Dark yellow/brown sandstone	Y ✓ N	
	52.0	56.0	4.0	Dark reddish silty sandstone	✓ Y N	
	56.0	59.0	3.0	Yellow/brown sandstone	✓ Y N	
	59.0	60.0	1.0	Dark reddish brown w/gray mixed silty shale	✓ Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0.00	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
		MISCELLANEOUS INFORMATION:
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: <u>William Atkins</u>	

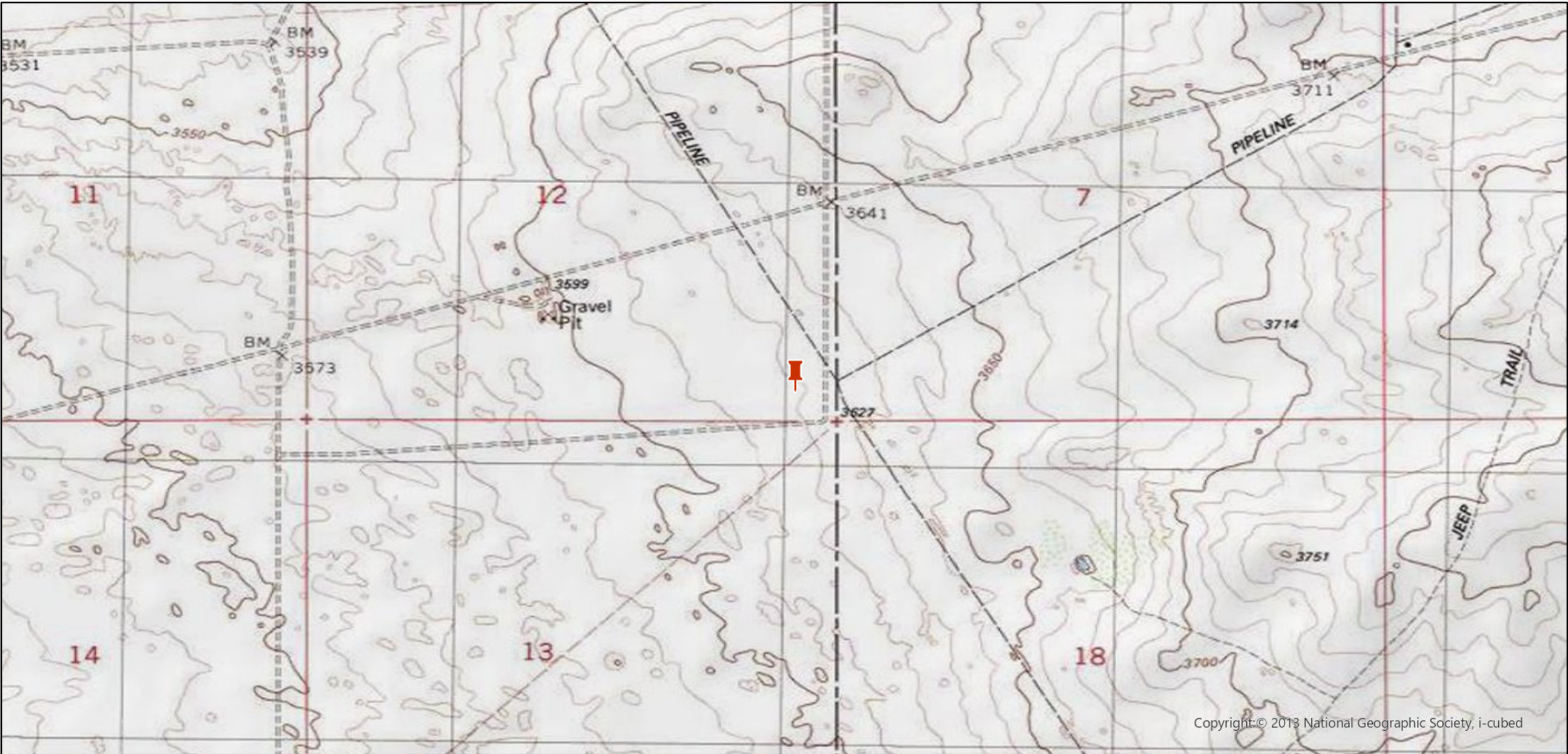
  

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME	DATE 2/7/2018

FOR USE INTERNAL USE

WR-20 WELL RECORD &amp; LOG (Version 06/30/2017)

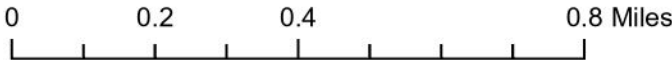
FILE NO. <u>C-4144</u>	POD NO. <u>1</u>	TRN NO. <u>6012079</u>
LOCATION <u>225.32E.7.3.1.3</u>	WELL TAG ID NO. <u>NIA</u>	PAGE 2 OF 2

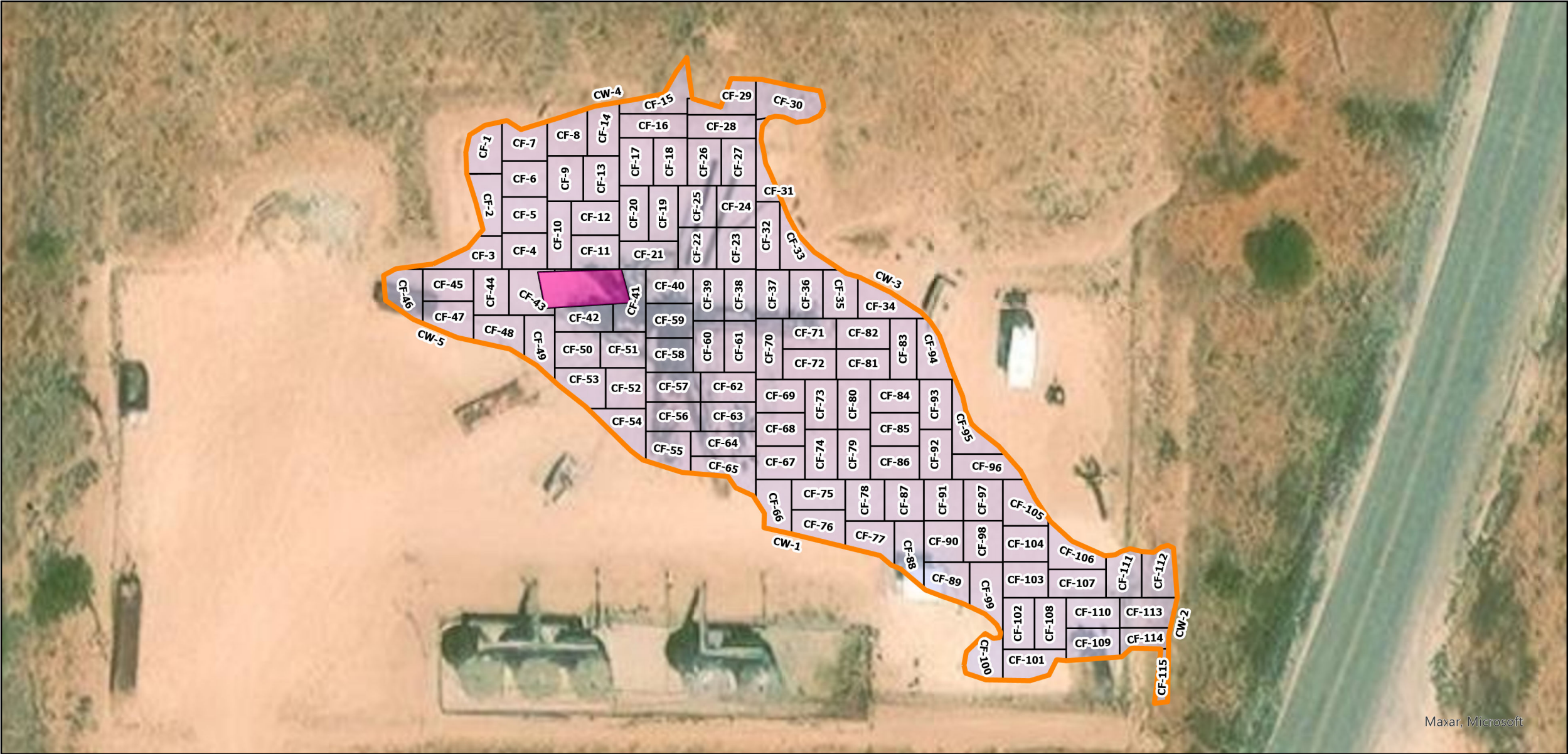


**Legend:**

 Site Location

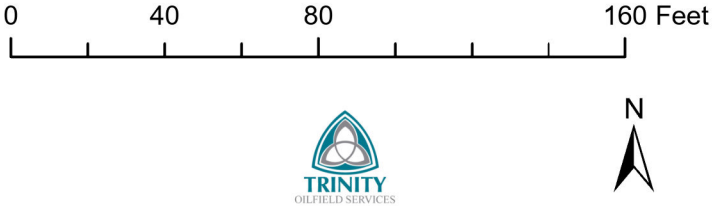
Site Location Map  
OXY USA, Inc.  
Federal 12 #014H  
32.3996506, -103.7242584  
Eddy County, New Mexico  
NMOCD Reference # NAB1732444101



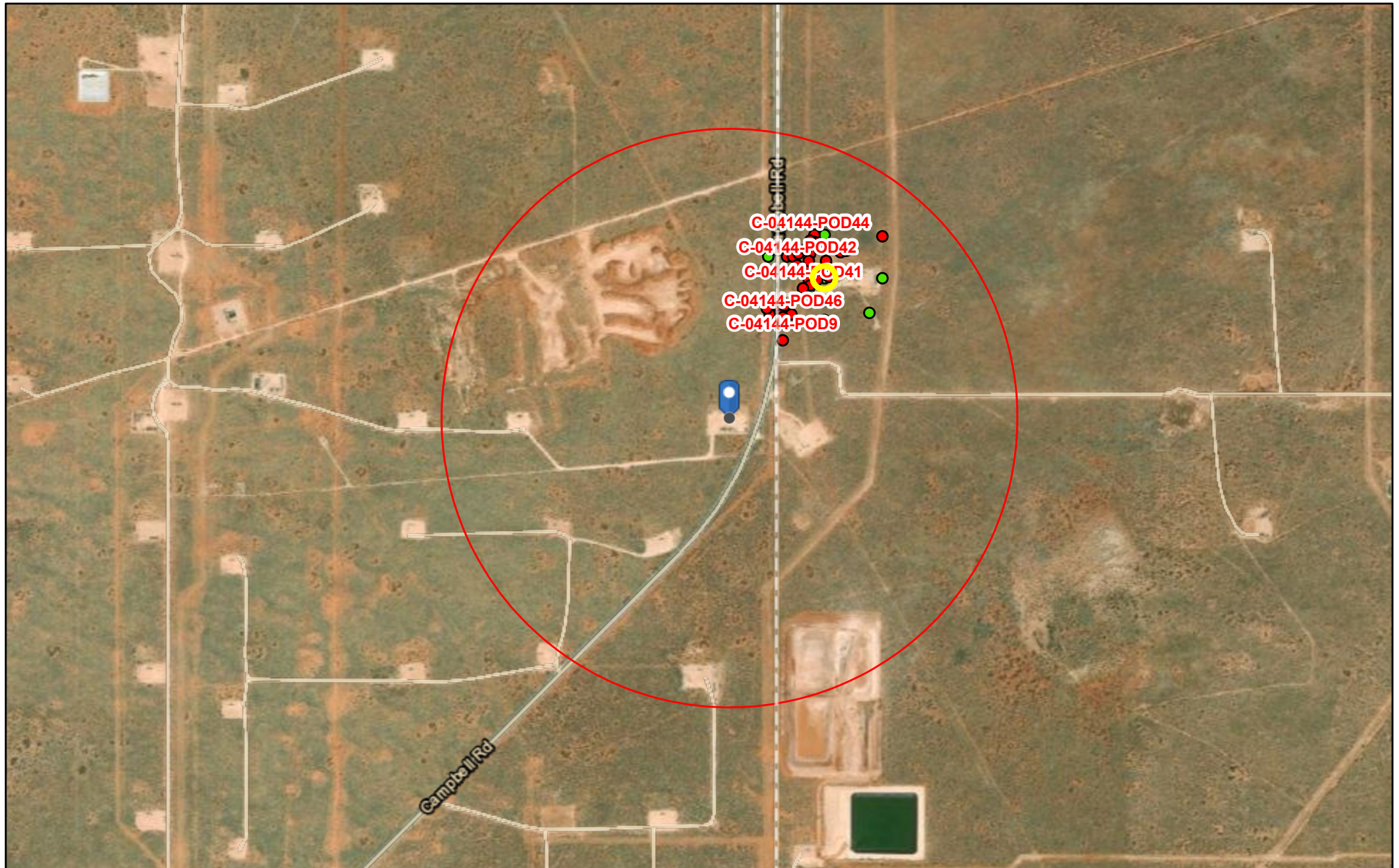


- Legend:**
- Remediation Wall
  - Remediation Floor
  - Excavation Area
  - Existing Infrastructure

**Remediation Map**  
**OXY USA, Inc.**  
**Federal 12 #014H**  
**32.3996506, -103.7242584**  
**Eddy County, New Mexico**  
**NMOCD Reference # NAB1732444101**



# NAB1732444101 | FEDERAL 12 #014H



4/10/2023, 1:25:39 PM

GIS WATERS PODs

- Pending
- Plugged
- Active

1:18,056

0 0.13 0.25 0.5 mi

0 0.2 0.4 0.8 km

Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar



NAB1732444101 | FEDERAL 12 #014H



April 10, 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°43'46"W 32°24'14"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		Cross Sections with 1% Annual Chance Water Surface Elevation
		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



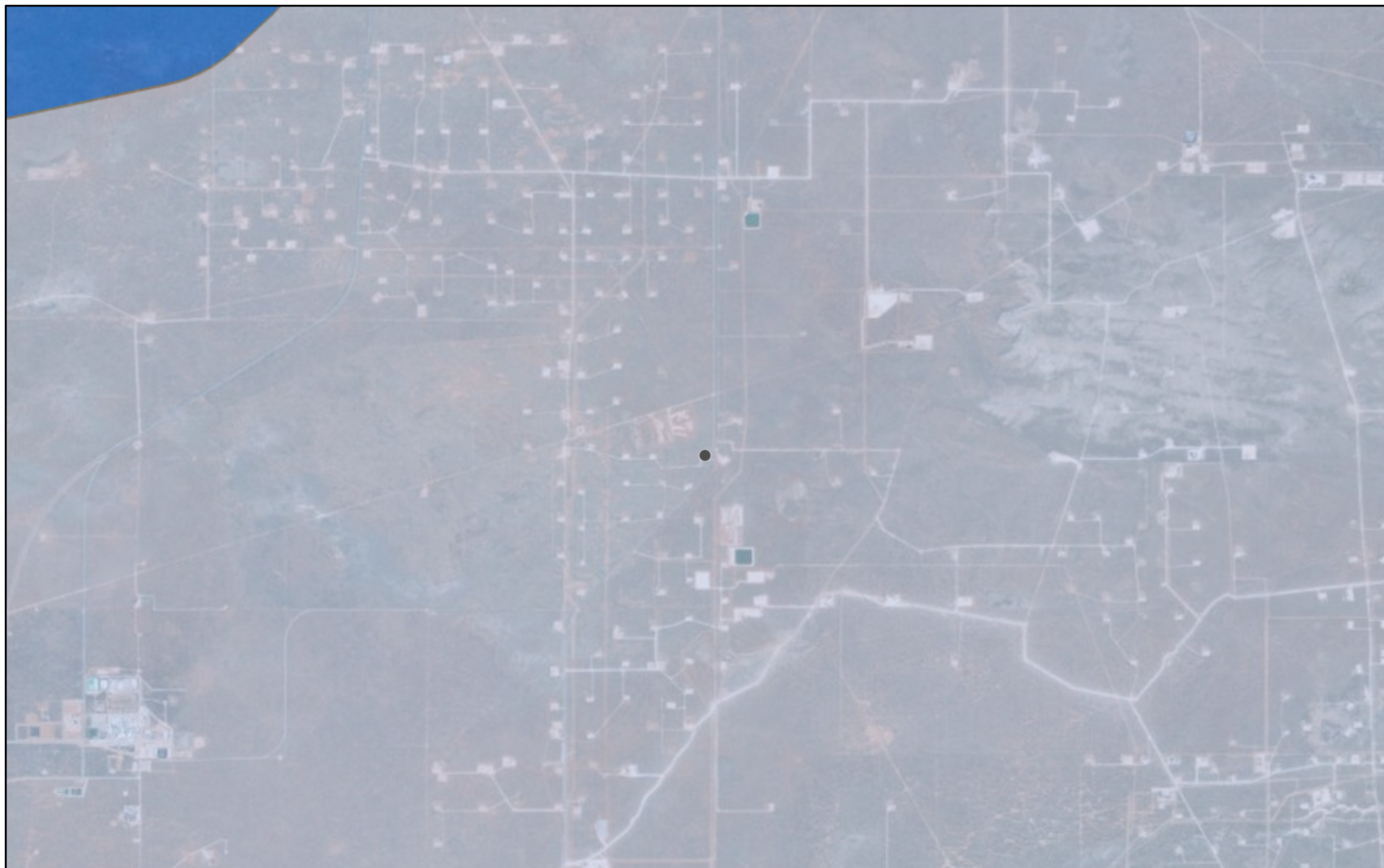
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 **4/10/2023 at 3:31 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.

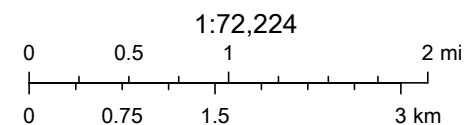
# NAB1732444101 | FEDERAL 12 #014H



4/10/2023, 1:28:53 PM

Karst Occurrence Potential  Low

Medium



BLM, OCD, New Mexico Tech, Earthstar Geographics


Soil Map—Eddy Area, New Mexico  
(NAB1732444101 | FEDERAL 12 #014H)



Soil Map—Eddy Area, New Mexico  
(NAB1732444101 | FEDERAL 12 #014H)

## 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: Eddy Area, New Mexico  
Survey Area Data: Version 18, 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
BB	Berino complex, 0 to 3 percent slopes, eroded	17.2	100.0%
Totals for Area of Interest		17.2	100.0%

# Trinity Oilfield Services & Rentals, LLC

## Environmental Site Summary & Spill Remediation Proposal



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

Site Name: Federal 12 #14H NMOCD Reference#: 2RP-4488

Surface Owner: US BLM Mineral Owner: US BLM

Unit Letter: P (SE/SE) Section: 12 Township: 22S Range: 31E County: Eddy GPS Coordinates: 32.399528 N -103.723766 W

Depth to Ground Water: 115' Distance to Surface Water Body: ☐ <200' ☐ 200' - 1,000' ☒ >1,000'

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

NMOCD Ranking Score: 0 Soil Remediation Levels (mg/kg): Benzene: 10 BTEX: 50 TPH: ☐ 100 Chloride: ☐ 250

☐ 1,000 ☒ 600

☒ 5,000

Date/Time of Release: 11/10/2017 Type of Release: Crude Oil & Produced Water Approximate Volume of Release: See Below

### Background Information:

On November 10, 2017, OXY USA, Inc. (OXY), discovered a release at the Federal 12 #14H tank battery. A gasket seal on the heater treater failed, resulting in the release of approximately 7 barrel (bbls) of produced water and 1 bbl of crude oil, with no recovery. The released fluid and overspray affected an area of the caliche pad measuring approximately 21,220 square feet. An area of the pasture adjacent to the pad measuring approximately 1,245 square feet was also affected. During initial response activities, the gasket was repaired, and the on-site heater treater, pump jack, and other facilities affected by the overspray were pressure-washed and steam-cleaned.

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

### Summary of Field Activities:

On December 19 and 20, 2017, a hand-auger was utilized to collect a series of soil samples from twelve (12) locations (SP-1 through SP-12) in the visibly stained area to investigate the extent of impacted soil. The auger holes were advanced to total depths ranging from approximately 6 inches (SP-1, SP-2, SP-5, SP-6, SP-7, SP-9, SP-10, SP-11, and SP-12) to 2 feet (SP-8) below ground surface (bgs). Soil samples were collected at 6-inch to 1-foot vertical intervals and field-screened with a chloride test kit. Confirmation samples were submitted to Xenco Laboratories in Midland, Texas, for analysis of chloride, total petroleum hydrocarbons (TPH), and/or benzene, toluene, ethylbenzene, and total xylene (BTEX) concentrations using Environmental Protection Agency (EPA) Methods 300, SW 846-8015 Mod, and SW 846-8021B, respectively. Laboratory analytical results and field-screens indicated that the release and/or overspray may have commingled with a historical release (or releases), however, vertical delineation had been achieved.

Locations of the auger holes are depicted in Figure 2, "Sample Location Map". Laboratory analytical results are summarized in Table 1, and analytical reports are provided in Appendix D. Chloride field test results are summarized in Table 2.

### Proposed Activities:

OXY proposes to conduct the following activities to progress the Federal 12 #14H release site to an NMOCD- and BLM-approved closure:

- All excavated soil will be stockpiled on-site on 6-mil plastic, pending transfer to Lea Land, Inc. (NMOCD Permit #WM-01-035), for disposal.
- Excavation in some impacted areas may be hindered by the presence of heater treaters, pipes, pumps, electrical lines, etc.

# Trinity Oilfield Services & Rentals, LLC

## Environmental Site Summary & Spill Remediation Proposal



### Proposed Activities (cont.):

- The excavation will be advanced horizontally until field test readings and/or visual/olfactory senses suggest contaminants of concern are below the NMOCD "Recommended Remediation Action Levels" (RRALs) established for the site (or to the extent practicable). The excavation will be advanced vertically as follows:
  - Maximum depth of 6 inches bgs in the areas represented by auger holes SP-1, SP-2, SP-5, SP-6, SP-7, SP-9, SP-10, SP-11, and SP-12.
  - Maximum depth of 1 foot bgs in the areas represented by auger holes SP-3 and SP-4 and immediately adjacent to the on-site pump jack.
  - Maximum depth of 2 feet bgs in the areas represented by auger hole SP-8.
- Soil samples will be collected at approximate 50-foot horizontal intervals from the sidewalls of the excavation (at floor level) 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.
- Following remediation activities, the excavation will be backfilled with non-impacted material, compacted, and contoured to fit the surrounding topography.
- Disturbed areas in the adjacent pasture will be seeded with a BLM-approved seed mix at a time conducive to germination.
- Upon completion of the aforementioned corrective actions, a "Remediation Summary & Closure Request" will be submitted to the NMOCD and BLM, documenting remediation activities and results of confirmation soil samples.

### Enclosures:

Figure 1: Site Location Map

Figure 2: Sample Location Map

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

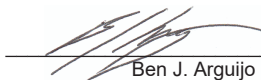
Table 2: Chloride Field Tests

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

Appendix B: Depth-to-Groundwater Data

Appendix C: Photographs

Appendix D: Laboratory Analytical Results

 3/29/2018  
Ben J. Arguijo  
Project Manager

# Figures



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

**Figure 1**  
**Site Location Map**  
**OXY USA, Inc.**  
**Federal 12 #14H**  
**Eddy County, New Mexico**  
**NMOCD Reference #: 2RP-4488**



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

Drawn By: BJA	Checked By: CTR
March 22, 2018	Scale: 1" = 2,000'

**Legend**

## Proposed Excavation Depths

- 6" bgs
- 1' bgs
- 2' bgs

- Auger Hole
- Release
- Overspray Area

**Figure 2**  
**Sample Location Map**  
**OXY USA, Inc.**  
**Federal 12 #14H**  
**Eddy County, New Mexico**  
**NMOCD Reference #: 2RP-4488**



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

Drawn By: BJA	Checked By: CTR
March 29, 2018	Scale: 1" = 40'

# Tables

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

OXY USA, INC.  
FEDERAL 12 #14H  
EDDY COUNTY, NEW MEXICO  
NMOCD REFERENCE #: 2RP-4488



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	METHOD: EPA SW 846-8021B, 5030							METHOD: 8015Mod				300
				BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C <sub>6</sub> -C <sub>12</sub> (mg/Kg)	DRO C <sub>12</sub> -C <sub>28</sub> (mg/Kg)	EXT DRO C <sub>28</sub> -C <sub>35</sub> (mg/Kg)	TPH C <sub>6</sub> -C <sub>35</sub> (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Levels (RRALs)				10	NE	NE	NE	NE	NE	50	NE	NE	NE	5,000	600
SP-1 @ 6"	6"	12/19/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	18.0	<15.0	18.0	35.4
SP-2 @ 6"	6"	12/19/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<4.98
SP-3 @ 6"	6"	12/19/2017	In-Situ	<0.0020	0.0023	0.0088	0.0383	0.0162	0.0545	0.0656	26.4	371	35.1	433	6,670
SP-3 @ 1'	1'	12/19/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	25.6	<15.0	25.6	593
SP-4 @ 6"	6"	12/19/2017	In-Situ	0.0248	0.360	0.352	0.800	0.291	1.09	1.83	741	2,170	173	3,080	1,040
SP-4 @ 1'	1'	12/19/2017	In-Situ	<0.0020	0.0020	<0.0020	<0.0040	<0.0020	<0.0020	0.0020	<15.0	37.8	<15.0	37.8	<4.90
SP-5 @ 6"	6"	12/19/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<5.00
SP-6 @ 6"	6"	12/20/2017	In-Situ	<0.0020	<0.0020	<0.0020	0.0050	<0.0020	0.0050	0.0050	<15.0	18.2	<15.0	18.2	12.0
SP-7 @ 6"	6"	12/20/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	402
SP-8 @ 6"	6"	12/20/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	9,300
SP-8 @ 1'	1'	12/20/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	1,010
SP-8 @ 2'	2'	12/20/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	274
SP-9 @ 6"	6"	12/20/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<4.98
SP-10 @ 6"	6"	12/20/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	134
SP-11 @ 6"	6"	12/20/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	110
SP-12 @ 6"	6"	12/20/2017	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	214

NE = Not established

- = Not analyzed

Concentrations in BOLD exceed NMOCD RRALs

**TABLE 2  
CHLORIDE FIELD TESTS**

**OXY USA, INC.  
FEDERAL 12 #14H  
EDDY COUNTY, NEW MEXICO  
NMOCD REFERENCE #: 2RP-4488**



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	HACH QUANTAB
				CHLORIDE (mg/Kg)
NMOCD Recommended Remediation Action Level (RRAL)				600
SP-1 @ 6"	6"	12/19/2017	In-Situ	<116
SP-2 @ 6"	6"	12/19/2017	In-Situ	<116
SP-3 @ 6"	6"	12/19/2017	In-Situ	7,160
SP-3 @ 1'	1'	12/19/2017	In-Situ	560
SP-4 @ 6"	6"	12/19/2017	In-Situ	904
SP-4 @ 1'	1'	12/19/2017	In-Situ	<124
SP-5 @ 6"	6"	12/19/2017	In-Situ	<124
SP-6 @ 6"	6"	12/20/2017	In-Situ	<124
SP-7 @ 6"	6"	12/20/2017	In-Situ	<124
SP-8 @ 6"	6"	12/20/2017	In-Situ	8,492
SP-8 @ 1'	1'	12/20/2017	In-Situ	836
SP-8 @ 2'	2'	12/20/2017	In-Situ	308
SP-9 @ 6"	6"	12/20/2017	In-Situ	<124
SP-10 @ 6"	6"	12/20/2017	In-Situ	180
SP-11 @ 6"	6"	12/20/2017	In-Situ	<124
SP-12 @ 6"	6"	12/20/2017	In-Situ	180

Concentrations in BOLD exceed the NMOCD RRAL

# **Appendices**

# **Appendix A**

## **Release Notification & Corrective Action (Form C-141)**

## NM OIL CONSERVATION

ARTESIA DISTRICT

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

State of New Mexico  
Energy Minerals and Natural Resources

NOV 15 2017

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  
RECEIVED accordance with 19.15.29 NMAC.

## Release Notification and Corrective Action

NAB1732444101 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	FEDERAL 12 #14H	Facility Type	BATTERY

Surface Owner	FEDERAL	Mineral Owner	FEDERAL	API No.	30-015-40821
---------------	---------	---------------	---------	---------	--------------

## LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
P	12	22S	31E	330	SOUTH	405	EAST	EDDY

Latitude 32.399528 Longitude -103.723766 NAD83

## NATURE OF RELEASE

Type of Release	OIL & PRODUCED WATER	Volume of Release	1 BBLS OIL & 7 BBLS PRODUCED WATER	Volume Recovered	TBD
Source of Release	GASKET SEAL ON HEATER TREATER FAILURE	Date and Hour of Occurrence	11/10/2017	Date and Hour of Discovery	11/11/2017
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? MIKE BRATCHER-NMOCD; CRYSTAL WEAVER-NMOCD; SHELLY TUCKER-BLM			
By Whom?	WADE DITTRICH	Date and Hour	11/11/2017 @ 7:41 PM		
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.\*


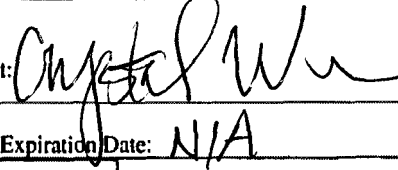
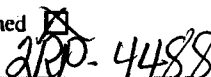
Describe Cause of Problem and Remedial Action Taken.\*

The release was caused by a gasket seal on the heater treater failed. Gasket was fixed and returned to service.

Describe Area Affected and Cleanup Action Taken.\*

The affected area was 10x30ft, 40x50ft (measurements are subject to change with GPS tracking). Remediation will be completed in accordance with a remediation plan approved by the NMOCD and the BLM.

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

Signature: 	OIL CONSERVATION DIVISION	
Printed Name: WADE DITTRICH	Approved by Environmental Specialist: 	
Title: ENVIROMENTAL COORDINATOR	Approval Date: 11/20/17	Expiration Date: N/A
E-mail Address: wade_dittrich@oxy.com	Conditions of Approval: see attached	
Date: 11-15-17 Phone: 575-390-2828	Attached  4488	

\* Attach Additional Sheets If Necessary

# **Appendix B**

## **Depth-to-Groundwater Data**



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
<a href="#">C 04144 POD2</a>	CUB	LE		1	3	3	07	22S	32E	620136	3585733	315			
<a href="#">C 04144 POD1</a>	CUB	LE		3	1	3	07	22S	32E	620128	3585772	349			
<a href="#">C 04144 POD4</a>	CUB	LE		3	1	3	07	22S	32E	620200	3585808	409			
<a href="#">C 04144 POD3</a>	CUB	LE		3	1	3	07	22S	32E	620240	3585842	458			

Average Depth to Water: --

Minimum Depth: --

Maximum Depth: --

Record Count: 4

UTMNAD83 Radius Search (in meters):

Easting (X): 620025

Northing (Y): 3585438

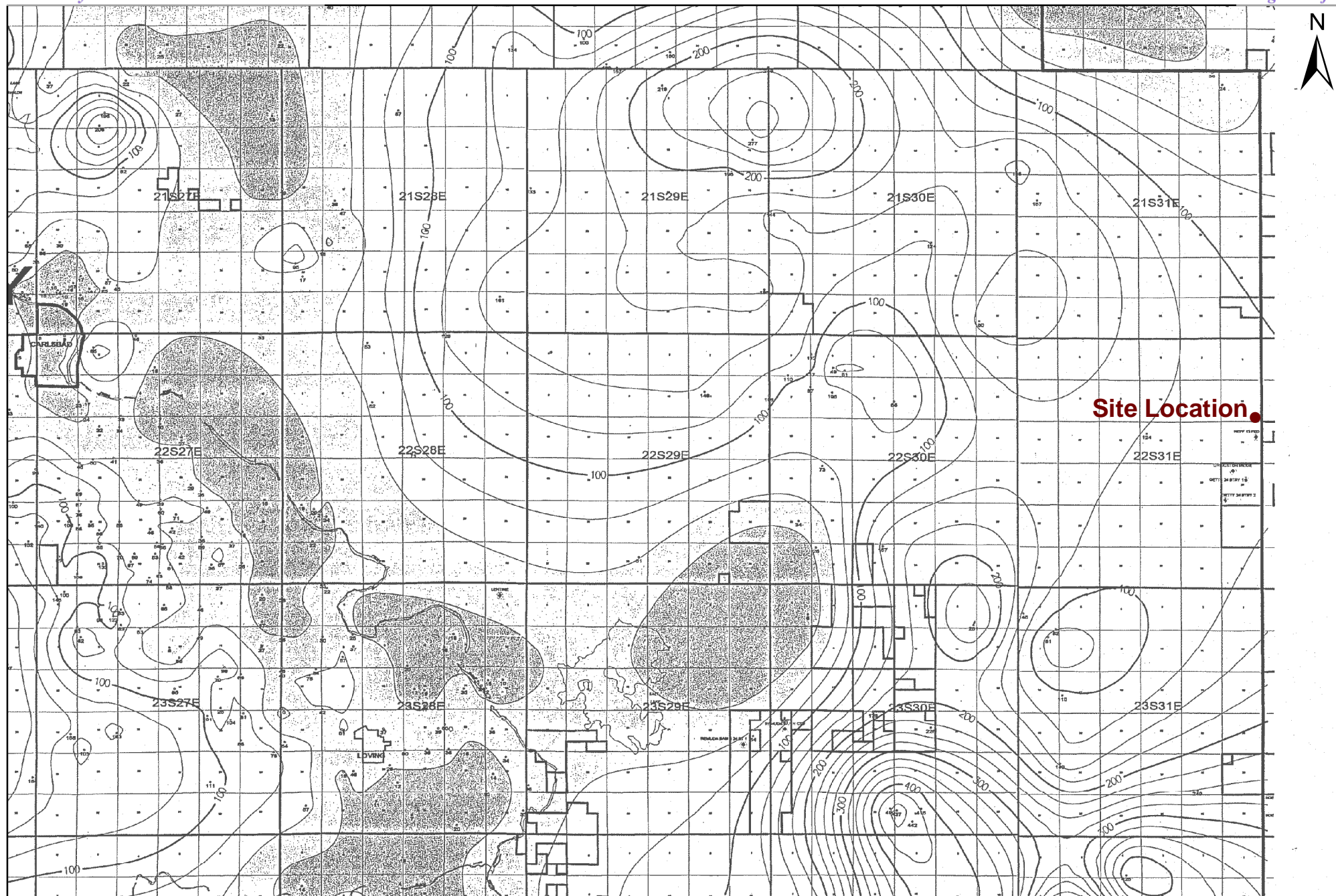
Radius: 1610

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

11/13/17 9:14 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



**Figure 3**  
**Depth-to-Groundwater Trend Map**  
**OXY USA, Inc.**  
**Federal 12 #14H**  
**Eddy County, New Mexico**  
**NMOCD Reference #: 2RP-4488**



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

Drawn By: BJA	Checked By: CTR
March 22, 2018	Not To Scale

# **Appendix C**

# **Photographs**

**OXY USA, Inc. – Federal 12 #14H**  
Unit Letter “P” (SE/SE), Section 12, Township 22S, Range 31E



Federal 12 #14H – Release (Looking West)



Federal 12 #14H – Release (Looking West-Northwest)

**OXY USA, Inc. – Federal 12 #14H**

Unit Letter "P" (SE/SE), Section 12, Township 22S, Range 31E



Federal 12 #14H – Release (Looking South-Southwest)



Federal 12 #14H – Release (Looking South)

**OXY USA, Inc. – Federal 12 #14H**

Unit Letter "P" (SE/SE), Section 12, Township 22S, Range 31E



Federal 12 #14H – Release (Looking South)



Federal 12 #14H – Release (Looking Southeast)

**OXY USA, Inc. – Federal 12 #14H**  
Unit Letter "P" (SE/SE), Section 12, Township 22S, Range 31E



Federal 12 #14H – Release (Looking Southeast)



Federal 12 #14H – Release (Looking Northeast)

**OXY USA, Inc. – Federal 12 #14H**

Unit Letter "P" (SE/SE), Section 12, Township 22S, Range 31E



Federal 12 #14H – Release (Looking East-Northeast)



Federal 12 #14H – Release (Looking South-Southeast)

**OXY USA, Inc. – Federal 12 #14H**  
Unit Letter “P” (SE/SE), Section 12, Township 22S, Range 31E



Federal 12 #14H – Release (Looking West)



Federal 12 #14H – Release (Looking Northwest)

**OXY USA, Inc. – Federal 12 #14H**  
Unit Letter “P” (SE/SE), Section 12, Township 22S, Range 31E



Federal 12 #14H – Release (Looking North-Northwest)



Federal 12 #14H – Release (Looking West-Southwest)

**OXY USA, Inc. – Federal 12 #14H**

Unit Letter "P" (SE/SE), Section 12, Township 22S, Range 31E



Federal 12 #14H – Release (Looking Southwest)



Federal 12 #14H – Release (Looking South-Southwest)

**OXY USA, Inc. – Federal 12 #14H**

Unit Letter "P" (SE/SE), Section 12, Township 22S, Range 31E



Federal 12 #14H – Release (Looking West-Northwest)



Federal 12 #14H – Release (Looking Northwest)

**OXY USA, Inc. – Federal 12 #14H**

Unit Letter "P" (SE/SE), Section 12, Township 22S, Range 31E



Federal 12 #14H – Release (Looking North-Northwest)



Federal 12 #14H – Release (Looking North-Northwest)

**OXY USA, Inc. – Federal 12 #14H**

Unit Letter "P" (SE/SE), Section 12, Township 22S, Range 31E



Federal 12 #14H – Overspray Area (Looking Northwest)



Federal 12 #14H – Overspray Area (Looking West-Northwest)

**OXY USA, Inc. – Federal 12 #14H**

Unit Letter "P" (SE/SE), Section 12, Township 22S, Range 31E



Federal 12 #14H – Overspray Area (Looking West)



Federal 12 #14H – Overspray Area (Looking Northwest)

# **Appendix D**

## **Laboratory Analytical Reports**



# Certificate of Analysis Summary 572153

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fed. 12 14H Battery



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Tue Dec-26-17 11:46 am

Report Date: 04-JAN-18

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	572153-001	572153-002	572153-003	572153-004	572153-005	572153-006
	<i>Field Id:</i>	Sp-1@6"	Sp-2@6"	Sp-3@6"	Sp-3@1'	Sp-4@6"	Sp-4@1'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Dec-19-17 12:30	Dec-19-17 13:10	Dec-19-17 13:30	Dec-19-17 13:45	Dec-19-17 14:00	Dec-19-17 14:10
<b>BTEX by EPA 8021B</b>	<i>Extracted:</i>	Dec-28-17 10:00	Dec-28-17 10:00	Dec-28-17 10:00	Dec-28-17 10:00	Dec-29-17 08:00	Dec-29-17 08:00
	<i>Analyzed:</i>	Dec-28-17 22:15	Dec-28-17 22:34	Dec-28-17 22:52	Dec-28-17 23:11	Dec-29-17 18:17	Dec-29-17 15:19
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00199 0.00199	<0.00202 0.00202	<0.00201 0.00201	<0.00199 0.00199	0.0248 0.00201	<0.00202 0.00202
Toluene		<0.00199 0.00199	<0.00202 0.00202	0.00232 0.00201	<0.00199 0.00199	0.360 0.00201	0.00203 0.00202
Ethylbenzene		<0.00199 0.00199	<0.00202 0.00202	0.00877 0.00201	<0.00199 0.00199	0.352 0.00201	<0.00202 0.00202
m,p-Xylenes		<0.00398 0.00398	<0.00403 0.00403	0.0383 0.00402	<0.00398 0.00398	0.800 0.00402	<0.00403 0.00403
o-Xylene		<0.00199 0.00199	<0.00202 0.00202	0.0162 0.00201	<0.00199 0.00199	0.291 0.00201	<0.00202 0.00202
Total Xylenes		<0.00199 0.00199	<0.00202 0.00202	0.0545 0.00201	<0.00199 0.00199	1.09 0.00201	<0.00202 0.00202
Total BTEX		<0.00199 0.00199	<0.00202 0.00202	0.0656 0.00201	<0.00199 0.00199	1.83 0.00201	0.00203 0.00202
<b>Chloride by EPA 300</b>	<i>Extracted:</i>	Dec-29-17 08:56	Dec-29-17 08:56	Dec-29-17 08:56	Dec-29-17 08:56	Dec-29-17 08:56	Dec-29-17 08:56
	<i>Analyzed:</i>	Dec-29-17 09:55	Dec-29-17 10:02	Dec-29-17 10:22	Dec-29-17 10:29	Dec-29-17 10:36	Dec-29-17 10:43
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		35.4 4.91	<4.98 4.98	6670 49.3	593 4.94	1040 4.95	<4.90 4.90
<b>TPH By SW8015 Mod</b>	<i>Extracted:</i>	Dec-28-17 10:00	Dec-28-17 10:00	Dec-28-17 10:00	Dec-28-17 10:00	Dec-28-17 10:00	Dec-28-17 10:00
	<i>Analyzed:</i>	Dec-28-17 17:36	Dec-28-17 13:55	Dec-28-17 14:15	Dec-28-17 14:36	Dec-28-17 15:55	Dec-28-17 14:55
	<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	26.4 15.0	<15.0 15.0	741 15.0	<15.0 15.0
Diesel Range Organics (DRO)		18.0 15.0	<15.0 15.0	371 15.0	25.6 15.0	2170 15.0	37.8 15.0
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	35.1 15.0	<15.0 15.0	173 15.0	<15.0 15.0
Total TPH		18.0 15.0	<15.0 15.0	433 15.0	25.6 15.0	3080 15.0	37.8 15.0

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Holly Taylor  
Project Manager



# Certificate of Analysis Summary 572153

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fed. 12 14H Battery



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Tue Dec-26-17 11:46 am

Report Date: 04-JAN-18

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	572153-007	572153-008	572153-009	572153-010	572153-011	572153-012
	<i>Field Id:</i>	Sp-5@6"	Sp-6@6"	Sp-7@6"	Sp-8@6"	Sp-8@1'	Sp-8@2'
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Dec-19-17 14:25	Dec-20-17 08:30	Dec-20-17 08:50	Dec-20-17 09:15	Dec-20-17 09:25	Dec-20-17 09:35
<b>BTEX by EPA 8021B</b>	<i>Extracted:</i>	Dec-29-17 08:00	Dec-29-17 08:00	Dec-30-17 12:00	Dec-30-17 12:00	Dec-30-17 12:00	Dec-30-17 12:00
	<i>Analyzed:</i>	Dec-29-17 15:38	Dec-29-17 15:57	Dec-30-17 23:32	Dec-30-17 23:51	Dec-31-17 00:49	Dec-31-17 01:08
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198
Toluene		<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198
Ethylbenzene		<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198
m,p-Xylenes		<0.00401 0.00401	0.00502 0.00404	<0.00402 0.00402	<0.00401 0.00401	<0.00398 0.00398	<0.00397 0.00397
o-Xylene		<0.00200 0.00200	<0.00202 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198
Total Xylenes		<0.00200 0.00200	0.00502 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198
Total BTEX		<0.00200 0.00200	0.00502 0.00202	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198
<b>Chloride by EPA 300</b>	<i>Extracted:</i>	Dec-29-17 08:56	Dec-29-17 08:56	Dec-29-17 08:56	Dec-29-17 08:56	Dec-29-17 08:56	Dec-29-17 08:56
	<i>Analyzed:</i>	Dec-29-17 10:50	Dec-29-17 10:57	Dec-29-17 11:18	Dec-29-17 11:25	Dec-29-17 11:46	Dec-29-17 11:53
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		<5.00 5.00	12.0 4.92	402 4.96	9300 49.5	1010 4.95	274 4.94
<b>TPH By SW8015 Mod</b>	<i>Extracted:</i>	Dec-28-17 10:00	Dec-28-17 10:00	Dec-28-17 10:00	Dec-28-17 10:00	Dec-28-17 10:00	Dec-28-17 10:00
	<i>Analyzed:</i>	Dec-28-17 15:16	Dec-28-17 15:35	Dec-28-17 18:35	Dec-28-17 18:55	Dec-28-17 19:15	Dec-28-17 19:34
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Diesel Range Organics (DRO)		<15.0 15.0	18.2 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Total TPH		<15.0 15.0	18.2 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0

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Holly Taylor  
Project Manager



# Certificate of Analysis Summary 572153

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Fed. 12 14H Battery



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Tue Dec-26-17 11:46 am

Report Date: 04-JAN-18

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	572153-013	572153-014	572153-015	572153-016		
	<i>Field Id:</i>	Sp-9@6"	Sp-10@6"	Sp-11@6"	Sp-12@6"		
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL		
	<i>Sampled:</i>	Dec-20-17 09:45	Dec-20-17 10:00	Dec-20-17 10:15	Dec-20-17 10:30		
<b>BTEX by EPA 8021B</b>	<i>Extracted:</i>	Dec-30-17 12:00	Dec-30-17 12:00	Dec-30-17 12:00	Dec-30-17 12:00		
	<i>Analyzed:</i>	Dec-31-17 01:27	Dec-31-17 01:47	Dec-31-17 02:06	Dec-31-17 02:25		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Benzene		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198		
Toluene		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198		
Ethylbenzene		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198		
m,p-Xylenes		<0.00403 0.00403	<0.00401 0.00401	<0.00398 0.00398	<0.00396 0.00396		
o-Xylene		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198		
Total Xylenes		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198		
Total BTEX		<0.00202 0.00202	<0.00200 0.00200	<0.00199 0.00199	<0.00198 0.00198		
<b>Chloride by EPA 300</b>	<i>Extracted:</i>	Dec-29-17 08:56	Dec-29-17 08:56	Dec-29-17 08:56	Dec-29-17 08:56		
	<i>Analyzed:</i>	Dec-29-17 12:00	Dec-29-17 12:07	Dec-29-17 12:14	Dec-29-17 12:21		
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL		
Chloride		<4.98 4.98	134 4.93	110 4.99	214 4.96		
<b>TPH By SW8015 Mod</b>	<i>Extracted:</i>	Dec-28-17 10:00	Dec-28-17 10:00	Dec-28-17 10:00	Dec-28-17 10:00		
	<i>Analyzed:</i>	Dec-28-17 19:54	Dec-28-17 20:15	Dec-28-17 20:36	Dec-28-17 20:56		
	<i>Units/RL:</i>	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		
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0		
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0		
Total TPH		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0		

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Holly Taylor  
Project Manager

# **Analytical Report 572153**

**for**  
**Trinity Oilfield Services & Rentals, LLC**

**Project Manager: Ben Arguijo**

**Fed. 12 14H Battery**

**04-JAN-18**

Collected By: Client



**1211 W. Florida Ave, Midland TX 79701**

Xenco-Houston (EPA Lab code: TX00122):

Texas (T104704215-17-23), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)  
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab code: TX01468):

Texas (T104704295-17-15), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab code: TX00127): Texas (T104704221-17-12)

Xenco-Lubbock (EPA Lab code: TX00139): Texas (T104704219-17-16)

Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-17-13)

Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-17-3)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)



04-JAN-18

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

Reference: XENCO Report No(s): **572153**  
**Fed. 12 14H Battery**  
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) 572153. 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. 572153 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.*

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## Sample Cross Reference 572153

Trinity Oilfield Services &amp; Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Sp-1@6"	S	12-19-17 12:30		572153-001
Sp-2@6"	S	12-19-17 13:10		572153-002
Sp-3@6"	S	12-19-17 13:30		572153-003
Sp-3@1'	S	12-19-17 13:45		572153-004
Sp-4@6"	S	12-19-17 14:00		572153-005
Sp-4@1'	S	12-19-17 14:10		572153-006
Sp-5@6"	S	12-19-17 14:25		572153-007
Sp-6@6"	S	12-20-17 08:30		572153-008
Sp-7@6"	S	12-20-17 08:50		572153-009
Sp-8@6"	S	12-20-17 09:15		572153-010
Sp-8@1'	S	12-20-17 09:25		572153-011
Sp-8@2'	S	12-20-17 09:35		572153-012
Sp-9@6"	S	12-20-17 09:45		572153-013
Sp-10@6"	S	12-20-17 10:00		572153-014
Sp-11@6"	S	12-20-17 10:15		572153-015
Sp-12@6"	S	12-20-17 10:30		572153-016



## CASE NARRATIVE

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

**Project Name:** *Fed. 12 14H Battery*

Project ID:

Work Order Number(s): 572153

Report Date: 04-JAN-18

Date Received: 12/26/2017

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### **Sample receipt non conformances and comments:**

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#### **Sample receipt non conformances and comments per sample:**

None

#### **Analytical non conformances and comments:**

Batch: LBA-3037186 BTEX by EPA 8021B

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

Batch: LBA-3037330 BTEX by EPA 8021B

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

Batch: LBA-3037335 BTEX by EPA 8021B

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



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

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

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572153-001

Date Collected: 12.19.17 12.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: OJS

Date Prep: 12.29.17 08.56

Basis: Wet Weight

Seq Number: 3037187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	35.4	4.91	mg/kg	12.29.17 09.55		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037188

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.28.17 17.36	U	1
Diesel Range Organics (DRO)	C10C28DRO	18.0	15.0	mg/kg	12.28.17 17.36		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.28.17 17.36	U	1
Total TPH	PHC635	18.0	15.0	mg/kg	12.28.17 17.36		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-135	12.28.17 17.36	
o-Terphenyl	84-15-1	76	%	70-135	12.28.17 17.36	



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

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

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572153-001

Date Collected: 12.19.17 12.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.28.17 22.15	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.28.17 22.15	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.28.17 22.15	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.28.17 22.15	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.28.17 22.15	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.28.17 22.15	U	1
Total BTEX		<0.00199	0.00199	mg/kg	12.28.17 22.15	U	1
<b>Surrogate</b>	<b>Cas Number</b>	<b>% Recovery</b>	<b>Units</b>	<b>Limits</b>	<b>Analysis Date</b>	<b>Flag</b>	
1,4-Difluorobenzene	540-36-3	90	%	80-120	12.28.17 22.15		
4-Bromofluorobenzene	460-00-4	88	%	80-120	12.28.17 22.15		



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

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

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572153-002

Date Collected: 12.19.17 13.10

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: OJS

Date Prep: 12.29.17 08.56

Basis: Wet Weight

Seq Number: 3037187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.98	4.98	mg/kg	12.29.17 10.02	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037188

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.28.17 13.55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.28.17 13.55	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.28.17 13.55	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.28.17 13.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	12.28.17 13.55	
o-Terphenyl	84-15-1	93	%	70-135	12.28.17 13.55	



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-2@6"**  
Lab Sample Id: 572153-002

Matrix: Soil  
Date Collected: 12.19.17 13.10

Date Received: 12.26.17 11.46

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.28.17 22.34	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.28.17 22.34	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.28.17 22.34	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	12.28.17 22.34	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.28.17 22.34	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	12.28.17 22.34	U	1
Total BTEX		<0.00202	0.00202	mg/kg	12.28.17 22.34	U	1
<b>Surrogate</b>	<b>Cas Number</b>	<b>% Recovery</b>	<b>Units</b>	<b>Limits</b>	<b>Analysis Date</b>	<b>Flag</b>	
1,4-Difluorobenzene	540-36-3	91	%	80-120	12.28.17 22.34		
4-Bromofluorobenzene	460-00-4	88	%	80-120	12.28.17 22.34		



# Certificate of Analytical Results 572153

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

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

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572153-003

Date Collected: 12.19.17 13.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: OJS

Date Prep: 12.29.17 08.56

Basis: Wet Weight

Seq Number: 3037187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<b>6670</b>	49.3	mg/kg	12.29.17 10.22		10

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037188

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<b>26.4</b>	15.0	mg/kg	12.28.17 14.15		1
Diesel Range Organics (DRO)	C10C28DRO	<b>371</b>	15.0	mg/kg	12.28.17 14.15		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<b>35.1</b>	15.0	mg/kg	12.28.17 14.15		1
Total TPH	PHC635	<b>433</b>	15.0	mg/kg	12.28.17 14.15		1
<b>Surrogate</b>	<b>Cas Number</b>	<b>% Recovery</b>	<b>Units</b>	<b>Limits</b>	<b>Analysis Date</b>	<b>Flag</b>	
1-Chlorooctane	111-85-3	86	%	70-135	12.28.17 14.15		
o-Terphenyl	84-15-1	82	%	70-135	12.28.17 14.15		



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

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

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572153-003

Date Collected: 12.19.17 13.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.28.17 22.52	U	1
Toluene	108-88-3	<b>0.00232</b>	0.00201	mg/kg	12.28.17 22.52		1
Ethylbenzene	100-41-4	<b>0.00877</b>	0.00201	mg/kg	12.28.17 22.52		1
m,p-Xylenes	179601-23-1	<b>0.0383</b>	0.00402	mg/kg	12.28.17 22.52		1
o-Xylene	95-47-6	<b>0.0162</b>	0.00201	mg/kg	12.28.17 22.52		1
Total Xylenes	1330-20-7	<b>0.0545</b>	0.00201	mg/kg	12.28.17 22.52		1
Total BTEX		<b>0.0656</b>	0.00201	mg/kg	12.28.17 22.52		1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
4-Bromofluorobenzene	460-00-4	118		%	80-120	12.28.17 22.52	
1,4-Difluorobenzene	540-36-3	82		%	80-120	12.28.17 22.52	



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-3@1'**  
Lab Sample Id: 572153-004

Matrix: Soil  
Date Collected: 12.19.17 13.45

Date Received: 12.26.17 11.46

Analytical Method: Chloride by EPA 300  
Tech: LRI  
Analyst: OJS  
Seq Number: 3037187

Prep Method: E300P  
% Moisture:  
Basis: Wet Weight  
Date Prep: 12.29.17 08.56

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	593	4.94	mg/kg	12.29.17 10.29		1

Analytical Method: TPH By SW8015 Mod  
Tech: JUM  
Analyst: JUM  
Seq Number: 3037188

Prep Method: TX1005P  
% Moisture:  
Basis: Wet Weight  
Date Prep: 12.28.17 10.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.28.17 14.36	U	1
Diesel Range Organics (DRO)	C10C28DRO	25.6	15.0	mg/kg	12.28.17 14.36		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.28.17 14.36	U	1
Total TPH	PHC635	25.6	15.0	mg/kg	12.28.17 14.36		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	88	%	70-135	12.28.17 14.36	
o-Terphenyl	84-15-1	93	%	70-135	12.28.17 14.36	



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-3@1'**  
Lab Sample Id: 572153-004

Matrix: Soil  
Date Collected: 12.19.17 13.45

Date Received: 12.26.17 11.46

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.28.17 23.11	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.28.17 23.11	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.28.17 23.11	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.28.17 23.11	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.28.17 23.11	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.28.17 23.11	U	1
Total BTEX		<0.00199	0.00199	mg/kg	12.28.17 23.11	U	1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	88	%		80-120	12.28.17 23.11	
4-Bromofluorobenzene	460-00-4	83	%		80-120	12.28.17 23.11	



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-4@6"**  
Lab Sample Id: 572153-005

Matrix: Soil  
Date Collected: 12.19.17 14.00

Date Received: 12.26.17 11.46

Analytical Method: Chloride by EPA 300  
Tech: LRI  
Analyst: OJS  
Seq Number: 3037187

Prep Method: E300P  
% Moisture:  
Basis: Wet Weight  
Date Prep: 12.29.17 08.56

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<b>1040</b>	4.95	mg/kg	12.29.17 10.36		1

Analytical Method: TPH By SW8015 Mod  
Tech: JUM  
Analyst: JUM  
Seq Number: 3037188

Prep Method: TX1005P  
% Moisture:  
Basis: Wet Weight  
Date Prep: 12.28.17 10.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<b>741</b>	15.0	mg/kg	12.28.17 15.55		1
Diesel Range Organics (DRO)	C10C28DRO	<b>2170</b>	15.0	mg/kg	12.28.17 15.55		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<b>173</b>	15.0	mg/kg	12.28.17 15.55		1
Total TPH	PHC635	<b>3080</b>	15.0	mg/kg	12.28.17 15.55		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	12.28.17 15.55	
o-Terphenyl	84-15-1	76	%	70-135	12.28.17 15.55	



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-4@6"**  
Lab Sample Id: 572153-005

Matrix: Soil  
Date Collected: 12.19.17 14.00

Date Received: 12.26.17 11.46

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.29.17 08.00

Basis: Wet Weight

Seq Number: 3037330

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
<b>Benzene</b>	71-43-2	<b>0.0248</b>	0.00201	mg/kg	12.29.17 18.17		1
<b>Toluene</b>	108-88-3	<b>0.360</b>	0.00201	mg/kg	12.29.17 18.17		1
<b>Ethylbenzene</b>	100-41-4	<b>0.352</b>	0.00201	mg/kg	12.29.17 18.17		1
<b>m,p-Xylenes</b>	179601-23-1	<b>0.800</b>	0.00402	mg/kg	12.29.17 18.17		1
<b>o-Xylene</b>	95-47-6	<b>0.291</b>	0.00201	mg/kg	12.29.17 18.17		1
<b>Total Xylenes</b>	1330-20-7	<b>1.09</b>	0.00201	mg/kg	12.29.17 18.17		1
<b>Total BTEX</b>		<b>1.83</b>	0.00201	mg/kg	12.29.17 18.17		1
<b>Surrogate</b>	<b>Cas Number</b>	<b>% Recovery</b>	<b>Units</b>	<b>Limits</b>	<b>Analysis Date</b>	<b>Flag</b>	
4-Bromofluorobenzene	460-00-4	96	%	80-120	12.29.17 18.17		
1,4-Difluorobenzene	540-36-3	105	%	80-120	12.29.17 18.17		



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-4@1'**  
Lab Sample Id: 572153-006

Matrix: Soil  
Date Collected: 12.19.17 14.10

Date Received: 12.26.17 11.46

Analytical Method: Chloride by EPA 300  
Tech: LRI  
Analyst: OJS  
Seq Number: 3037187

Prep Method: E300P  
% Moisture:  
Basis: Wet Weight  
Date Prep: 12.29.17 08.56

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.90	4.90	mg/kg	12.29.17 10.43	U	1

Analytical Method: TPH By SW8015 Mod  
Tech: JUM  
Analyst: JUM  
Seq Number: 3037188

Prep Method: TX1005P  
% Moisture:  
Basis: Wet Weight  
Date Prep: 12.28.17 10.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.28.17 14.55	U	1
<b>Diesel Range Organics (DRO)</b>	C10C28DRO	<b>37.8</b>	15.0	mg/kg	12.28.17 14.55		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.28.17 14.55	U	1
<b>Total TPH</b>	PHC635	<b>37.8</b>	15.0	mg/kg	12.28.17 14.55		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	89	%	70-135	12.28.17 14.55	
o-Terphenyl	84-15-1	91	%	70-135	12.28.17 14.55	



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-4@1'**  
Lab Sample Id: 572153-006

Matrix: Soil  
Date Collected: 12.19.17 14.10

Date Received: 12.26.17 11.46

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.29.17 08.00

Basis: Wet Weight

Seq Number: 3037330

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.29.17 15.19	U	1
<b>Toluene</b>	108-88-3	<b>0.00203</b>	0.00202	mg/kg	12.29.17 15.19		1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.29.17 15.19	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	12.29.17 15.19	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.29.17 15.19	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	12.29.17 15.19	U	1
<b>Total BTEX</b>		<b>0.00203</b>	0.00202	mg/kg	12.29.17 15.19		1
<b>Surrogate</b>	<b>Cas Number</b>	<b>% Recovery</b>	<b>Units</b>	<b>Limits</b>	<b>Analysis Date</b>	<b>Flag</b>	
4-Bromofluorobenzene	460-00-4	85	%	80-120	12.29.17 15.19		
1,4-Difluorobenzene	540-36-3	84	%	80-120	12.29.17 15.19		



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

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

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572153-007

Date Collected: 12.19.17 14.25

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: OJS

Date Prep: 12.29.17 08.56

Basis: Wet Weight

Seq Number: 3037187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<5.00	5.00	mg/kg	12.29.17 10.50	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037188

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.28.17 15.16	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.28.17 15.16	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.28.17 15.16	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.28.17 15.16	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	104	%	70-135	12.28.17 15.16	
o-Terphenyl	84-15-1	109	%	70-135	12.28.17 15.16	



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-5@6"**  
Lab Sample Id: 572153-007

Matrix: Soil  
Date Collected: 12.19.17 14.25

Date Received: 12.26.17 11.46

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.29.17 08.00

Basis: Wet Weight

Seq Number: 3037330

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.29.17 15.38	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.29.17 15.38	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.29.17 15.38	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.29.17 15.38	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.29.17 15.38	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.29.17 15.38	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.29.17 15.38	U	1
Surrogate	Cas Number	% Recovery		Units	Limits	Analysis Date	Flag
1,4-Difluorobenzene	540-36-3	86		%	80-120	12.29.17 15.38	
4-Bromofluorobenzene	460-00-4	82		%	80-120	12.29.17 15.38	



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

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

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572153-008

Date Collected: 12.20.17 08.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: OJS

Date Prep: 12.29.17 08.56

Basis: Wet Weight

Seq Number: 3037187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	12.0	4.92	mg/kg	12.29.17 10.57		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037188

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.28.17 15.35	U	1
Diesel Range Organics (DRO)	C10C28DRO	18.2	15.0	mg/kg	12.28.17 15.35		1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.28.17 15.35	U	1
Total TPH	PHC635	18.2	15.0	mg/kg	12.28.17 15.35		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	12.28.17 15.35	
o-Terphenyl	84-15-1	98	%	70-135	12.28.17 15.35	



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-6@6"**  
Lab Sample Id: 572153-008

Matrix: Soil  
Date Collected: 12.20.17 08.30

Date Received: 12.26.17 11.46

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.29.17 08.00

Basis: Wet Weight

Seq Number: 3037330

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.29.17 15.57	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.29.17 15.57	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.29.17 15.57	U	1
<b>m,p-Xylenes</b>	179601-23-1	<b>0.00502</b>	0.00404	mg/kg	12.29.17 15.57		1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.29.17 15.57	U	1
<b>Total Xylenes</b>	1330-20-7	<b>0.00502</b>	0.00202	mg/kg	12.29.17 15.57		1
<b>Total BTEX</b>		<b>0.00502</b>	0.00202	mg/kg	12.29.17 15.57		1
<b>Surrogate</b>	<b>Cas Number</b>	<b>% Recovery</b>	<b>Units</b>	<b>Limits</b>	<b>Analysis Date</b>	<b>Flag</b>	
1,4-Difluorobenzene	540-36-3	85	%	80-120	12.29.17 15.57		
4-Bromofluorobenzene	460-00-4	82	%	80-120	12.29.17 15.57		



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-7@6"**

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572153-009

Date Collected: 12.20.17 08.50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: OJS

Date Prep: 12.29.17 08.56

Basis: Wet Weight

Seq Number: 3037187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	402	4.96	mg/kg	12.29.17 11.18		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037188

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.28.17 18.35	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.28.17 18.35	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.28.17 18.35	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.28.17 18.35	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	81	%	70-135	12.28.17 18.35	
o-Terphenyl	84-15-1	84	%	70-135	12.28.17 18.35	



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-7@6"**

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572153-009

Date Collected: 12.20.17 08.50

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.30.17 12.00

Basis: Wet Weight

Seq Number: 3037335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.30.17 23.32	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.30.17 23.32	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.30.17 23.32	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	12.30.17 23.32	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	12.30.17 23.32	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	12.30.17 23.32	U	1
Total BTEX		<0.00201	0.00201	mg/kg	12.30.17 23.32	U	1
<b>Surrogate</b>	<b>Cas Number</b>	<b>% Recovery</b>	<b>Units</b>	<b>Limits</b>	<b>Analysis Date</b>	<b>Flag</b>	
4-Bromofluorobenzene	460-00-4	86	%	80-120	12.30.17 23.32		
1,4-Difluorobenzene	540-36-3	95	%	80-120	12.30.17 23.32		



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-8@6"**

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572153-010

Date Collected: 12.20.17 09.15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: OJS

Date Prep: 12.29.17 08.56

Basis: Wet Weight

Seq Number: 3037187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	9300	49.5	mg/kg	12.29.17 11.25		10

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037188

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.28.17 18.55	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.28.17 18.55	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.28.17 18.55	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.28.17 18.55	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-135	12.28.17 18.55	
o-Terphenyl	84-15-1	85	%	70-135	12.28.17 18.55	



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-8@6"**

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572153-010

Date Collected: 12.20.17 09.15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.30.17 12.00

Basis: Wet Weight

Seq Number: 3037335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.30.17 23.51	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.30.17 23.51	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.30.17 23.51	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.30.17 23.51	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.30.17 23.51	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.30.17 23.51	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.30.17 23.51	U	1
<b>Surrogate</b>	<b>Cas Number</b>	<b>% Recovery</b>	<b>Units</b>	<b>Limits</b>	<b>Analysis Date</b>	<b>Flag</b>	
1,4-Difluorobenzene	540-36-3	94	%	80-120	12.30.17 23.51		
4-Bromofluorobenzene	460-00-4	86	%	80-120	12.30.17 23.51		



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-8@1'**  
Lab Sample Id: 572153-011

Matrix: Soil  
Date Collected: 12.20.17 09.25

Date Received: 12.26.17 11.46

Analytical Method: Chloride by EPA 300

Tech: LRI

Analyst: OJS

Seq Number: 3037187

Prep Method: E300P

% Moisture:

Basis: Wet Weight

Date Prep: 12.29.17 08.56

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<b>1010</b>	4.95	mg/kg	12.29.17 11.46		1

Analytical Method: TPH By SW8015 Mod

Tech: JUM

Analyst: JUM

Seq Number: 3037188

Prep Method: TX1005P

% Moisture:

Basis: Wet Weight

Date Prep: 12.28.17 10.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.28.17 19.15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.28.17 19.15	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.28.17 19.15	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.28.17 19.15	U	1
<b>Surrogate</b>	<b>Cas Number</b>	<b>% Recovery</b>	<b>Units</b>	<b>Limits</b>	<b>Analysis Date</b>	<b>Flag</b>	
1-Chlorooctane	111-85-3	78	%	70-135	12.28.17 19.15		
o-Terphenyl	84-15-1	76	%	70-135	12.28.17 19.15		



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-8@1'**  
Lab Sample Id: 572153-011

Matrix: Soil  
Date Collected: 12.20.17 09.25

Date Received: 12.26.17 11.46

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.30.17 12.00

Basis: Wet Weight

Seq Number: 3037335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.31.17 00.49	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.31.17 00.49	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.31.17 00.49	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.31.17 00.49	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.31.17 00.49	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.31.17 00.49	U	1
Total BTEX		<0.00199	0.00199	mg/kg	12.31.17 00.49	U	1
<b>Surrogate</b>	<b>Cas Number</b>	<b>% Recovery</b>	<b>Units</b>	<b>Limits</b>	<b>Analysis Date</b>	<b>Flag</b>	
1,4-Difluorobenzene	540-36-3	95	%	80-120	12.31.17 00.49		
4-Bromofluorobenzene	460-00-4	84	%	80-120	12.31.17 00.49		



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-8@2'**  
Lab Sample Id: 572153-012

Matrix: Soil  
Date Collected: 12.20.17 09.35

Date Received: 12.26.17 11.46

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: OJS

Date Prep: 12.29.17 08.56

Basis: Wet Weight

Seq Number: 3037187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	274	4.94	mg/kg	12.29.17 11.53		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037188

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.28.17 19.34	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.28.17 19.34	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.28.17 19.34	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.28.17 19.34	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	72	%	70-135	12.28.17 19.34	
o-Terphenyl	84-15-1	72	%	70-135	12.28.17 19.34	



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-8@2'**  
Lab Sample Id: 572153-012

Matrix: Soil  
Date Collected: 12.20.17 09.35

Date Received: 12.26.17 11.46

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.30.17 12.00

Basis: Wet Weight

Seq Number: 3037335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	12.31.17 01.08	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.31.17 01.08	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.31.17 01.08	U	1
m,p-Xylenes	179601-23-1	<0.00397	0.00397	mg/kg	12.31.17 01.08	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.31.17 01.08	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	12.31.17 01.08	U	1
Total BTEX		<0.00198	0.00198	mg/kg	12.31.17 01.08	U	1
<b>Surrogate</b>	<b>Cas Number</b>	<b>% Recovery</b>	<b>Units</b>	<b>Limits</b>	<b>Analysis Date</b>	<b>Flag</b>	
4-Bromofluorobenzene	460-00-4	85	%	80-120	12.31.17 01.08		
1,4-Difluorobenzene	540-36-3	98	%	80-120	12.31.17 01.08		



# Certificate of Analytical Results 572153

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-9@6"**

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572153-013

Date Collected: 12.20.17 09.45

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: OJS

Date Prep: 12.29.17 08.56

Basis: Wet Weight

Seq Number: 3037187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.98	4.98	mg/kg	12.29.17 12.00	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037188

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.28.17 19.54	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.28.17 19.54	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.28.17 19.54	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.28.17 19.54	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	72	%	70-135	12.28.17 19.54	
o-Terphenyl	84-15-1	73	%	70-135	12.28.17 19.54	



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-9@6"**  
Lab Sample Id: 572153-013

Matrix: Soil  
Date Collected: 12.20.17 09.45

Date Received: 12.26.17 11.46

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.30.17 12.00

Basis: Wet Weight

Seq Number: 3037335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.31.17 01.27	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.31.17 01.27	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.31.17 01.27	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	12.31.17 01.27	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.31.17 01.27	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	12.31.17 01.27	U	1
Total BTEX		<0.00202	0.00202	mg/kg	12.31.17 01.27	U	1
<b>Surrogate</b>	<b>Cas Number</b>	<b>% Recovery</b>	<b>Units</b>	<b>Limits</b>	<b>Analysis Date</b>	<b>Flag</b>	
4-Bromofluorobenzene	460-00-4	84	%	80-120	12.31.17 01.27		
1,4-Difluorobenzene	540-36-3	92	%	80-120	12.31.17 01.27		



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

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

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572153-014

Date Collected: 12.20.17 10.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: OJS

Date Prep: 12.29.17 08.56

Basis: Wet Weight

Seq Number: 3037187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	134	4.93	mg/kg	12.29.17 12.07		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037188

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.28.17 20.15	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.28.17 20.15	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.28.17 20.15	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.28.17 20.15	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	85	%	70-135	12.28.17 20.15	
o-Terphenyl	84-15-1	82	%	70-135	12.28.17 20.15	



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

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

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572153-014

Date Collected: 12.20.17 10.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.30.17 12.00

Basis: Wet Weight

Seq Number: 3037335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.31.17 01.47	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.31.17 01.47	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.31.17 01.47	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.31.17 01.47	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.31.17 01.47	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.31.17 01.47	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.31.17 01.47	U	1
<b>Surrogate</b>	<b>Cas Number</b>	<b>% Recovery</b>	<b>Units</b>	<b>Limits</b>	<b>Analysis Date</b>	<b>Flag</b>	
1,4-Difluorobenzene	540-36-3	95	%	80-120	12.31.17 01.47		
4-Bromofluorobenzene	460-00-4	86	%	80-120	12.31.17 01.47		



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-11@6"**

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572153-015

Date Collected: 12.20.17 10.15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: OJS

Date Prep: 12.29.17 08.56

Basis: Wet Weight

Seq Number: 3037187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	110	4.99	mg/kg	12.29.17 12.14		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037188

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.28.17 20.36	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.28.17 20.36	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.28.17 20.36	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.28.17 20.36	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-135	12.28.17 20.36	
o-Terphenyl	84-15-1	83	%	70-135	12.28.17 20.36	



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

Sample Id: **Sp-11@6"**

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572153-015

Date Collected: 12.20.17 10.15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.30.17 12.00

Basis: Wet Weight

Seq Number: 3037335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.31.17 02.06	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.31.17 02.06	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.31.17 02.06	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.31.17 02.06	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.31.17 02.06	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.31.17 02.06	U	1
Total BTEX		<0.00199	0.00199	mg/kg	12.31.17 02.06	U	1
<b>Surrogate</b>	<b>Cas Number</b>	<b>% Recovery</b>	<b>Units</b>	<b>Limits</b>	<b>Analysis Date</b>	<b>Flag</b>	
4-Bromofluorobenzene	460-00-4	84	%	80-120	12.31.17 02.06		
1,4-Difluorobenzene	540-36-3	99	%	80-120	12.31.17 02.06		



# Certificate of Analytical Results 572153

## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

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

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572153-016

Date Collected: 12.20.17 10.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: OJS

Date Prep: 12.29.17 08.56

Basis: Wet Weight

Seq Number: 3037187

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	214	4.96	mg/kg	12.29.17 12.21		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: JUM

% Moisture:

Analyst: JUM

Date Prep: 12.28.17 10.00

Basis: Wet Weight

Seq Number: 3037188

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.28.17 20.56	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.28.17 20.56	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.28.17 20.56	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.28.17 20.56	U	1
<b>Surrogate</b>	<b>Cas Number</b>	<b>% Recovery</b>	<b>Units</b>	<b>Limits</b>	<b>Analysis Date</b>	<b>Flag</b>	
1-Chlorooctane	111-85-3	91	%	70-135	12.28.17 20.56		
o-Terphenyl	84-15-1	87	%	70-135	12.28.17 20.56		



# Certificate of Analytical Results 572153



## Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Fed. 12 14H Battery

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

Matrix: Soil

Date Received: 12.26.17 11.46

Lab Sample Id: 572153-016

Date Collected: 12.20.17 10.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.30.17 12.00

Basis: Wet Weight

Seq Number: 3037335

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00198	0.00198	mg/kg	12.31.17 02.25	U	1
Toluene	108-88-3	<0.00198	0.00198	mg/kg	12.31.17 02.25	U	1
Ethylbenzene	100-41-4	<0.00198	0.00198	mg/kg	12.31.17 02.25	U	1
m,p-Xylenes	179601-23-1	<0.00396	0.00396	mg/kg	12.31.17 02.25	U	1
o-Xylene	95-47-6	<0.00198	0.00198	mg/kg	12.31.17 02.25	U	1
Total Xylenes	1330-20-7	<0.00198	0.00198	mg/kg	12.31.17 02.25	U	1
Total BTEX		<0.00198	0.00198	mg/kg	12.31.17 02.25	U	1
<b>Surrogate</b>	<b>Cas Number</b>	<b>% Recovery</b>	<b>Units</b>	<b>Limits</b>	<b>Analysis Date</b>	<b>Flag</b>	
1,4-Difluorobenzene	540-36-3	94	%	80-120	12.31.17 02.25		
4-Bromofluorobenzene	460-00-4	80	%	80-120	12.31.17 02.25		



## 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      **SQL** Method Quantitation Limit      **LOQ** Limit of Quantitation

**DL** Method Detection Limit

**NC** Non-Calculable

+ NELAC certification not offered for this compound.

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

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

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(432) 563-1800	(432) 563-1713
(602) 437-0330	



## Trinity Oilfield Services &amp; Rentals, LLC

Fed. 12 14H Battery

**Analytical Method: Chloride by EPA 300**

Seq Number: 3037187

MB Sample Id: 7636738-1-BLK

Matrix: Solid

LCS Sample Id: 7636738-1-BKS

Prep Method: E300P

Date Prep: 12.29.17

LCSD Sample Id: 7636738-1-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	239	96	90-110	0	20	mg/kg	12.29.17 09:06	

**Analytical Method: Chloride by EPA 300**

Seq Number: 3037187

Parent Sample Id: 572153-008

Matrix: Soil

MS Sample Id: 572153-008 S

Prep Method: E300P

Date Prep: 12.29.17

MSD Sample Id: 572153-008 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	12.0	246	253	98	252	98	90-110	0	20	mg/kg	12.29.17 11:04	

**Analytical Method: Chloride by EPA 300**

Seq Number: 3037187

Parent Sample Id: 572184-002

Matrix: Soil

MS Sample Id: 572184-002 S

Prep Method: E300P

Date Prep: 12.29.17

MSD Sample Id: 572184-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<4.97	249	234	94	235	94	90-110	0	20	mg/kg	12.29.17 09:27	

**Analytical Method: TPH By SW8015 Mod**

Seq Number: 3037188

MB Sample Id: 7636777-1-BLK

Matrix: Solid

LCS Sample Id: 7636777-1-BKS

Prep Method: TX1005P

Date Prep: 12.28.17

LCSD Sample Id: 7636777-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	939	94	866	87	70-135	8	35	mg/kg	12.28.17 12:36	
Diesel Range Organics (DRO)	<15.0	1000	975	98	920	92	70-135	6	35	mg/kg	12.28.17 12:36	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	82		90		85		70-135	%	12.28.17 12:36
o-Terphenyl	86		106		101		70-135	%	12.28.17 12:36

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

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

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

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



## Trinity Oilfield Services &amp; Rentals, LLC

Fed. 12 14H Battery

Analytical Method: TPH By SW8015 Mod

Seq Number: 3037188

Parent Sample Id: 572153-001

Matrix: Soil

MS Sample Id: 572153-001 S

Prep Method: TX1005P

Date Prep: 12.28.17

MSD Sample Id: 572153-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	798	80	916	92	70-135	14	35	mg/kg	12.28.17 17:56	
Diesel Range Organics (DRO)	18.0	1000	771	75	755	74	70-135	2	35	mg/kg	12.28.17 17:56	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	77		88		70-135	%	12.28.17 17:56
o-Terphenyl	82		88		70-135	%	12.28.17 17:56

Analytical Method: BTEX by EPA 8021B

Seq Number: 3037186

MB Sample Id: 7636780-1-BLK

Matrix: Solid

LCS Sample Id: 7636780-1-BKS

Prep Method: SW5030B

Date Prep: 12.28.17

LCSD Sample Id: 7636780-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0872	87	0.0836	84	70-130	4	35	mg/kg	12.28.17 15:00	
Toluene	<0.00200	0.0998	0.0823	82	0.0788	79	70-130	4	35	mg/kg	12.28.17 15:00	
Ethylbenzene	<0.00200	0.0998	0.0931	93	0.0888	89	71-129	5	35	mg/kg	12.28.17 15:00	
m,p-Xylenes	<0.00399	0.200	0.184	92	0.175	88	70-135	5	35	mg/kg	12.28.17 15:00	
o-Xylene	<0.00200	0.0998	0.0858	86	0.0820	82	71-133	5	35	mg/kg	12.28.17 15:00	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	92		93		94		80-120	%	12.28.17 15:00
4-Bromofluorobenzene	84		93		96		80-120	%	12.28.17 15:00

Analytical Method: BTEX by EPA 8021B

Seq Number: 3037330

MB Sample Id: 7636889-1-BLK

Matrix: Solid

LCS Sample Id: 7636889-1-BKS

Prep Method: SW5030B

Date Prep: 12.29.17

LCSD Sample Id: 7636889-1-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	0.0885	89	0.0859	86	70-130	3	35	mg/kg	12.29.17 12:46	
Toluene	<0.00200	0.100	0.0830	83	0.0809	81	70-130	3	35	mg/kg	12.29.17 12:46	
Ethylbenzene	<0.00200	0.100	0.0932	93	0.0898	90	71-129	4	35	mg/kg	12.29.17 12:46	
m,p-Xylenes	<0.00401	0.200	0.184	92	0.177	89	70-135	4	35	mg/kg	12.29.17 12:46	
o-Xylene	<0.00200	0.100	0.0857	86	0.0828	83	71-133	3	35	mg/kg	12.29.17 12:46	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	93		95		99		80-120	%	12.29.17 12:46
4-Bromofluorobenzene	91		98		97		80-120	%	12.29.17 12:46

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

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

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

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



## Trinity Oilfield Services &amp; Rentals, LLC

Fed. 12 14H Battery

Analytical Method: BTEX by EPA 8021B

Seq Number: 3037335

MB Sample Id: 7636894-1-BLK

Matrix: Solid

LCS Sample Id: 7636894-1-BKS

Prep Method: SW5030B

Date Prep: 12.30.17

LCSD Sample Id: 7636894-1-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	0.0827	82	0.0838	84	70-130	1	35	mg/kg	12.30.17 18:43	
Toluene	<0.00202	0.101	0.0769	76	0.0782	78	70-130	2	35	mg/kg	12.30.17 18:43	
Ethylbenzene	<0.00202	0.101	0.0826	82	0.0830	83	71-129	0	35	mg/kg	12.30.17 18:43	
m,p-Xylenes	<0.00403	0.202	0.162	80	0.163	82	70-135	1	35	mg/kg	12.30.17 18:43	
o-Xylene	<0.00202	0.101	0.0778	77	0.0779	78	71-133	0	35	mg/kg	12.30.17 18:43	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	96		101		99		80-120	%	12.30.17 18:43
4-Bromofluorobenzene	81		92		93		80-120	%	12.30.17 18:43

Analytical Method: BTEX by EPA 8021B

Seq Number: 3037186

Parent Sample Id: 572178-011

Matrix: Soil

MS Sample Id: 572178-011 S

Prep Method: SW5030B

Date Prep: 12.28.17

MSD Sample Id: 572178-011 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.0968	97	0.0871	86	70-130	11	35	mg/kg	12.28.17 15:38	
Toluene	<0.00200	0.100	0.0873	87	0.0760	75	70-130	14	35	mg/kg	12.28.17 15:38	
Ethylbenzene	<0.00200	0.100	0.0887	89	0.0821	81	71-129	8	35	mg/kg	12.28.17 15:38	
m,p-Xylenes	<0.00401	0.200	0.174	87	0.162	81	70-135	7	35	mg/kg	12.28.17 15:38	
o-Xylene	<0.00200	0.100	0.0829	83	0.0776	77	71-133	7	35	mg/kg	12.28.17 15:38	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	110		113		80-120	%	12.28.17 15:38
4-Bromofluorobenzene	118		117		80-120	%	12.28.17 15:38

Analytical Method: BTEX by EPA 8021B

Seq Number: 3037330

Parent Sample Id: 572250-003

Matrix: Soil

MS Sample Id: 572250-003 S

Prep Method: SW5030B

Date Prep: 12.29.17

MSD Sample Id: 572250-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00199	0.0996	0.0669	67	0.0538	54	70-130	22	35	mg/kg	12.29.17 13:23	X
Toluene	<0.00199	0.0996	0.0468	47	0.0365	37	70-130	25	35	mg/kg	12.29.17 13:23	X
Ethylbenzene	<0.00199	0.0996	0.0365	37	0.0276	28	71-129	28	35	mg/kg	12.29.17 13:23	X
m,p-Xylenes	<0.00398	0.199	0.0696	35	0.0522	26	70-135	29	35	mg/kg	12.29.17 13:23	X
o-Xylene	<0.00199	0.0996	0.0348	35	0.0263	26	71-133	28	35	mg/kg	12.29.17 13:23	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		100		80-120	%	12.29.17 13:23
4-Bromofluorobenzene	102		102		80-120	%	12.29.17 13:23

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

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

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

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



## Trinity Oilfield Services &amp; Rentals, LLC

Fed. 12 14H Battery

Analytical Method: BTEX by EPA 8021B

Seq Number: 3037335

Parent Sample Id: 572353-025

Matrix: Soil

MS Sample Id: 572353-025 S

Prep Method: SW5030B

Date Prep: 12.30.17

MSD Sample Id: 572353-025 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.0740	74	0.0853	85	70-130	14	35	mg/kg	12.30.17 19:22	
Toluene	<0.00201	0.100	0.0676	68	0.0785	79	70-130	15	35	mg/kg	12.30.17 19:22	X
Ethylbenzene	<0.00201	0.100	0.0724	72	0.0841	84	71-129	15	35	mg/kg	12.30.17 19:22	
m,p-Xylenes	<0.00402	0.201	0.142	71	0.164	82	70-135	14	35	mg/kg	12.30.17 19:22	
o-Xylene	<0.00201	0.100	0.0684	68	0.0787	79	71-133	14	35	mg/kg	12.30.17 19:22	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	103		98		80-120	%	12.30.17 19:22
4-Bromofluorobenzene	94		97		80-120	%	12.30.17 19:22

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

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

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

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



Houston: 4143 Greenbriar Dr. Stafford, TX 77477 (281)240-4200 Odessa: 12600 West I-20 East Odessa, TX 79765 (432)561-0001  
 :roool-c

# CHAIN OF CUSTODY RECORD

Page 1 of 2

LAB W.O #: 572153

Field billable Hrs :

## \* Container Type Codes

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

## \*\* Preservative Type Codes

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

## ^ Matrix Type Codes

GW Ground Water	S Soil/Sediment/Sol
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	

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: Fed. 12 14H Battery				PO#: _____		Pres Type**		I	I	I										
Invoice To: Oxy - Wade Dittrich (575)390-2828				Quote #: _____																
Sampler Name: Paul Pinon		Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A																		
Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Filter	Integrity	OK (Y/N)	Total # of containers	Example Volatiles by 8260	TPH 8015M	BTEX	Chloride								
									# Cont	Lab Only:										
1	SP-1 @ 6"	12/19/17	1230	S				1		X										
2	SP-2 @ 6"	12/19/17	1310	S				1		X										
3	SP-3 @ 6"	12/19/17	1330	S				1		X										
4	SP-3 @ 1'	12/19/17	1345	S				1		X										
5	SP-4 @ 6"	12/19/17	1400	S				1		X										
6	SP-4 @ 1'	12/19/17	1410	S				1		X										
7	SP-5 @ 6"	12/19/17	1425	S				1		X										
8	SP-6 @ 6"	12/20/17	0830	S				1		X										
9	SP-7 @ 6"	12/20/17	0850	S				1		X										
0	SP-8 @ 6"	12/20/17	0915	S				1		X										
Reg. Program / Clean-up Std		STATE for Certs & Regs		QA/QC Level & Certification		EDDs		COC & Labels		Coolers		Temp °C		Lab Use Only		YES NO N				
CTLs TRRP DW NPDES LPST DryCh		FL TX GA NC SC NJ PA		1 2 3 4 CLP AFCEE QAPP		ADaPT SEDD		Match		1-6-72		3		Non-Conformances found?						
Other:		OK LA AL NM Other:		NELAC DoD-ELAP Other:		ERPIMS XLS Other:		Incomplete						Samples intact upon arrival?						
Relinquished by		Affiliation		Date		Time		Received by		Affiliation		Date		Time		Received on Wet Ice?				
1 Paul Pinon		Trinity		12/26/17		11:46		Kuefer		MS		12-26-17		11:46		Labeled with proper preservatives?				
2 Kamey		MS		12/26/17		1:35		Kuefer		MS		12-27		11:29		Received within holding time?				
3																Custody seals intact?				
4																VOCs rec'd w/o head				

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

437-0330

FTS Service Centers: Atlanta 770-449-8800 Lakeland 863-646-8526 Tampa 803-543-8099 Philadelphia 610-95-

Calculation 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 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 prop

Revision Date: Nov 12, 2009

Temp: 0.8 IR ID: R-8  
 CF: (0-6: -0.2°C)  
 (6-23: +0.2°C)  
 Corrected Temp: 0.4  
 ... paid in full.





Client: Trinity Oilfield Services &amp; Rentals, LLC

Date/ Time Received: 12/26/2017 11:46:00 AM

Work Order #: 572153

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

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

Analyst:

PH Device/Lot#:

Checklist completed by:

Shawnee Smith

Date: 12/27/2017

Checklist reviewed by:

Holly Taylor

Date: 12/27/2017

**Bratcher, Mike, EMNRD**

---

**From:** Bratcher, Mike, EMNRD  
**Sent:** Thursday, June 7, 2018 9:02 AM  
**To:** 'Ben J. Arguijo'; Weaver, Crystal, EMNRD; Tucker, Shelly; Duskie Bennett; Todd Roberson; Wade Dittrich  
**Subject:** RE: Spill Remediation Proposal - Federal 12 #14H (2RP-4488)

RE: OXY USA \* Federal 12 14H \* **2RP-4488** \* DOR: 11/10/17

Ben,

Your proposal for remediation of the above referenced release is approved. Please advise once remedial activities have been scheduled. Federal sites will require like approval from BLM.

Thank you,

Mike Bratcher  
NMOCD District 2  
811 South First Street  
Artesia, NM 88210  
575-748-1283 Ext 108

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 ground water, 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, local laws and/or regulations.

**From:** Ben J. Arguijo <ben@trinityoilfieldservices.com>  
**Sent:** Monday, April 23, 2018 4:14 PM  
**To:** Bratcher, Mike, EMNRD <mike.bratcher@state.nm.us>; Weaver, Crystal, EMNRD <Crystal.Weaver@state.nm.us>; Tucker, Shelly <stucker@blm.gov>; Duskie Bennett <duskie@trinityoilfieldservices.com>; Todd Roberson <todd@trinityoilfieldservices.com>; Wade Dittrich <wade\_dittrich@oxy.com>  
**Subject:** Spill Remediation Proposal - Federal 12 #14H (2RP-4488)

All,

Attached please find the "Environmental Site Summary & Spill Remediation Proposal" for the Federal 12 #14H release site (2RP-4488).

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

Thank you for your time and consideration.

Respectfully,  
Ben J. Arguijo

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



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

---

March 10, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: FEDERAL 12 14H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/08/23 16:05.

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](http://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 style with a large, stylized 'C' at the beginning.

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:	03/08/2023	Sampling Date:	03/08/2023
Reported:	03/10/2023	Sampling Type:	Soil
Project Name:	FEDERAL 12 14H BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	OXY - EDDY CO., NM		

**Sample ID: CF-001-00.2-NA-S (H231061-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	03/09/2023	ND	1.84	91.9	2.00	11.9	
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	1.87	93.4	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/09/2023	ND	5.64	94.1	6.00	10.6	
Total BTEX	<0.300	0.300	03/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	80.0	16.0	03/09/2023	ND	416	104	400	3.77		

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	03/09/2023	ND	177	88.6	200	5.29	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	170	85.0	200	10.6	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-002-00.2-NA-S (H231061-02)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2023	ND	2.11	105	2.00	12.8	
Toluene*	<0.050	0.050	03/09/2023	ND	1.84	91.9	2.00	11.9	
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	1.87	93.4	2.00	10.9	
Total Xylenes*	<0.150	0.150	03/09/2023	ND	5.64	94.1	6.00	10.6	
Total BTEX	<0.300	0.300	03/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	128	16.0	03/09/2023	ND	416	104	400	3.77		

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	03/09/2023	ND	177	88.6	200	5.29	
DRO >C10-C28*	37.8	10.0	03/09/2023	ND	170	85.0	200	10.6	
EXT DRO >C28-C36	74.4	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-003-00.2-NA-S (H231061-03)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48	
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43	
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67	
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27	
Total BTEX	<0.300	0.300	03/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	2280	16.0	03/09/2023	ND	416	104	400	3.77		

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	03/09/2023	ND	177	88.6	200	5.29	
DRO >C10-C28*	40.3	10.0	03/09/2023	ND	170	85.0	200	10.6	
EXT DRO >C28-C36	21.3	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-004-00.2-NA-S (H231061-04)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48	
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43	
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67	
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27	
Total BTEX	<0.300	0.300	03/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1170	16.0	03/09/2023	ND	416	104	400	3.77	

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	03/09/2023	ND	177	88.6	200	5.29	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	170	85.0	200	10.6	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-005-00.2-NA-S (H231061-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48		
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27		
Total BTEX	<0.300	0.300	03/10/2023	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	208	16.0	03/09/2023	ND	416	104	400	3.77		

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	03/09/2023	ND	177	88.6	200	5.29	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	170	85.0	200	10.6	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-006-00.2-NA-S (H231061-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48		
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	160	16.0	03/09/2023	ND	416	104	400	3.77		

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	03/09/2023	ND	177	88.6	200	5.29	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	170	85.0	200	10.6	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-007-00.2-NA-S (H231061-07)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48	
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43	
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67	
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27	
Total BTEX	<0.300	0.300	03/10/2023	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	96.0	16.0	03/09/2023	ND	416	104	400	3.77	

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	03/09/2023	ND	177	88.6	200	5.29	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	170	85.0	200	10.6	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-008-00.2-NA-S (H231061-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48		
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	64.0	16.0	03/09/2023	ND	416	104	400	3.77		

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	03/09/2023	ND	177	88.6	200	5.29	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	170	85.0	200	10.6	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 77.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 49.1-148

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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: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-009-00.2-NA-S (H231061-09)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48	
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43	
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67	
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27	
Total BTEX	<0.300	0.300	03/10/2023	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	160	16.0	03/09/2023	ND	416	104	400	3.77	

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	03/09/2023	ND	177	88.6	200	5.29	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	170	85.0	200	10.6	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 76.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-010-00.2-NA-S (H231061-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48		
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	720	16.0	03/09/2023	ND	416	104	400	3.77		

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	03/09/2023	ND	177	88.6	200	5.29	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	170	85.0	200	10.6	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 77.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-011-00.2-NA-S (H231061-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48		
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27		
Total BTEX	<0.300	0.300	03/10/2023	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	3520	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	177	88.6	200	5.29	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	170	85.0	200	10.6	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-012-00.2-NA-S (H231061-12)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48		
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27		
Total BTEX	<0.300	0.300	03/10/2023	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	5440	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	177	88.6	200	5.29	
DRO >C10-C28*	13.8	10.0	03/09/2023	ND	170	85.0	200	10.6	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 76.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-013-00.2-NA-S (H231061-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48		
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	416	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	177	88.6	200	5.29	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	170	85.0	200	10.6	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-014-00.2-NA-S (H231061-14)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48		
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27		
Total BTEX	<0.300	0.300	03/10/2023	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	432	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	177	88.6	200	5.29	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	170	85.0	200	10.6	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 74.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-015-00.2-NA-S (H231061-15)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48		
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27		
Total BTEX	<0.300	0.300	03/10/2023	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	3120	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-016-00.2-NA-S (H231061-16)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48		
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	5520	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-017-00.2-NA-S (H231061-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48		
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27		
Total BTEx	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	5040	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-018-00.2-NA-S (H231061-18)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48		
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27		
Total BTEx	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	2320	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-019-00.2-NA-S (H231061-19)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48		
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	5680	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-020-00.2-NA-S (H231061-20)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48	
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43	
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67	
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27	
Total BTEX	<0.300	0.300	03/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	4400	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	43.8	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-021-00.2-NA-S (H231061-21)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48		
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	3680	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-022-00.2-NA-S (H231061-22)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.08	104	2.00	1.48		
Toluene*	<0.050	0.050	03/10/2023	ND	1.92	95.8	2.00	3.43		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.06	103	2.00	4.67		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.31	105	6.00	5.27		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	144	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 83.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-023-00.2-NA-S (H231061-23)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEx	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	784	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-024-00.2-NA-S (H231061-24)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEX	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	1520	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-025-00.2-NA-S (H231061-25)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEX	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	2960	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	22.8	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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\*=Accredited Analyte

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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: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-026-00.2-NA-S (H231061-26)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEX	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	832	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-027-00.2-NA-S (H231061-27)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEX	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	288	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-028-00.2-NA-S (H231061-28)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEX	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	6400	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-029-00.2-NA-S (H231061-29)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEX	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	3680	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-030-00.2-NA-S (H231061-30)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEX	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 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	240	16.0	03/09/2023	ND	432	108	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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-031-00.2-NA-S (H231061-31)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEX	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	960	16.0	03/09/2023	ND	432	108	400	3.64	QM-07	

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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-032-00.2-NA-S (H231061-32)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3	
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5	
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8	
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5	
Total BTEX	<0.300	0.300	03/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	1800	16.0	03/09/2023	ND	432	108	400	3.64		

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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-033-00.2-NA-S (H231061-33)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEX	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	1640	16.0	03/09/2023	ND	432	108	400	3.64		

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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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\*=Accredited Analyte

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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: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-034-00.2-NA-S (H231061-34)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEX	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	400	16.0	03/09/2023	ND	432	108	400	3.64		

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	03/09/2023	ND	160	80.1	200	4.39	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	190	94.8	200	3.99	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 84.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-035-00.2-NA-S (H231061-35)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEX	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	272	16.0	03/09/2023	ND	432	108	400	3.64		

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-036-00.2-NA-S (H231061-36)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEx	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	144	16.0	03/09/2023	ND	432	108	400	3.64		

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-037-00.2-NA-S (H231061-37)**

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEX	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	256	16.0	03/09/2023	ND	432	108	400	3.64	

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	13.7	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.4 % 49.1-148

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-038-00.2-NA-S (H231061-38)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEX	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	1740	16.0	03/09/2023	ND	432	108	400	3.64		

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	301	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	34.4	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-039-00.2-NA-S (H231061-39)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEX	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	2600	16.0	03/09/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	630	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	70.4	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 168 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-040-00.2-NA-S (H231061-40)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEX	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	1700	16.0	03/09/2023	ND	432	108	400	3.64		

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	16.3	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-041-00.2-NA-S (H231061-41)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEX	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	3080	16.0	03/09/2023	ND	432	108	400	3.64		

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	13.2	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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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: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-042-00.2-NA-S (H231061-42)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/09/2023	ND	1.97	98.3	2.00	11.3		
Toluene*	<0.050	0.050	03/09/2023	ND	2.02	101	2.00	12.5		
Ethylbenzene*	<0.050	0.050	03/09/2023	ND	2.00	100	2.00	11.8		
Total Xylenes*	<0.150	0.150	03/09/2023	ND	6.08	101	6.00	12.5		
Total BTEX	<0.300	0.300	03/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	3200	16.0	03/09/2023	ND	432	108	400	3.64		

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-043-00.2-NA-S (H231061-43)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	1.91	95.6	2.00	2.04		
Toluene*	<0.050	0.050	03/10/2023	ND	2.00	99.9	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	99.1	2.00	1.05		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.63		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	816	16.0	03/09/2023	ND	432	108	400	3.64		

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	887	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	340	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-044-00.2-NA-S (H231061-44)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	1.91	95.6	2.00	2.04		
Toluene*	<0.050	0.050	03/10/2023	ND	2.00	99.9	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	99.1	2.00	1.05		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.63		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	1470	16.0	03/09/2023	ND	432	108	400	3.64		

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	81.2	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-045-00.2-NA-S (H231061-45)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	1.91	95.6	2.00	2.04		
Toluene*	<0.050	0.050	03/10/2023	ND	2.00	99.9	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	99.1	2.00	1.05		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.63		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	3200	16.0	03/09/2023	ND	432	108	400	3.64		

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	24.7	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-046-00.2-NA-S (H231061-46)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	1.91	95.6	2.00	2.04		
Toluene*	<0.050	0.050	03/10/2023	ND	2.00	99.9	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	99.1	2.00	1.05		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.63		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	3520	16.0	03/09/2023	ND	432	108	400	3.64		

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-047-00.2-NA-S (H231061-47)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	1.91	95.6	2.00	2.04		
Toluene*	<0.050	0.050	03/10/2023	ND	2.00	99.9	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	99.1	2.00	1.05		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.63		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	2680	16.0	03/09/2023	ND	432	108	400	3.64		

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	31.8	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-048-00.2-NA-S (H231061-48)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	1.91	95.6	2.00	2.04		
Toluene*	<0.050	0.050	03/10/2023	ND	2.00	99.9	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	99.1	2.00	1.05		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.63		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1800	16.0	03/09/2023	ND	432	108	400	3.64		

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-049-00.2-NA-S (H231061-49)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	1.91	95.6	2.00	2.04		
Toluene*	<0.050	0.050	03/10/2023	ND	2.00	99.9	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	99.1	2.00	1.05		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.63		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	2360	16.0	03/09/2023	ND	432	108	400	3.64		

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	19.6	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-050-00.2-NA-S (H231061-50)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	1.91	95.6	2.00	2.04		
Toluene*	<0.050	0.050	03/10/2023	ND	2.00	99.9	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	99.1	2.00	1.05		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.63		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	1120	16.0	03/09/2023	ND	432	108	400	3.64		

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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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: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-051-00.2-NA-S (H231061-51)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	1.91	95.6	2.00	2.04		
Toluene*	<0.050	0.050	03/10/2023	ND	2.00	99.9	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	99.1	2.00	1.05		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.63		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	1360	16.0	03/09/2023	ND	448	112	400	3.64		

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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\*=Accredited Analyte

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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: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-052-00.2-NA-S (H231061-52)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	1.91	95.6	2.00	2.04		
Toluene*	<0.050	0.050	03/10/2023	ND	2.00	99.9	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	99.1	2.00	1.05		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.63		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 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	432	16.0	03/09/2023	ND	448	112	400	3.64		

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	264	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	45.9	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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\*=Accredited Analyte

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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: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-053-00.2-NA-S (H231061-53)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	1.91	95.6	2.00	2.04		
Toluene*	<0.050	0.050	03/10/2023	ND	2.00	99.9	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	99.1	2.00	1.05		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.63		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	400	16.0	03/09/2023	ND	448	112	400	3.64		

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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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: 03/08/2023  
 Reported: 03/10/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/08/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-054-00.2-NA-S (H231061-54)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	1.91	95.6	2.00	2.04		
Toluene*	<0.050	0.050	03/10/2023	ND	2.00	99.9	2.00	1.86		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	99.1	2.00	1.05		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.63		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	240	16.0	03/09/2023	ND	448	112	400	3.64		

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	03/09/2023	ND	184	91.8	200	15.5	
DRO >C10-C28*	<10.0	10.0	03/09/2023	ND	200	100	200	7.80	
EXT DRO >C28-C36	<10.0	10.0	03/09/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

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Page 59 of 62

CARDINAL Laboratories				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476				CHAIN-OF-CUSTODY AND ANALYSIS REQUEST			
Company Name: Trinity Oilfield Services				P.O. #:				BILL TO			
Project Manager: Dan Dunkelberg				Company:				OXY USA, Inc.			
Address: 8426 N Dal Paso				Attn:				Wade Dittich			
City: Hobbs				State: NM Zip: 88241				Address:			
Phone #:				Fax #:				City:			
Project #:				Project Owner: (see below)				State:			
Project Name: Federal 12 14H Battery				dan@trinityoilfieldservices.com				Zip:			
Project Location: Fddy Co., NM				Phone #:				Fax #:			
Sampler Name: XT				Matrix:				PRESERV.			
FOR LAB USE ONLY				GROUNDWATER				WASTEWATER			
Lab I.D.				Sample I.D.				DATE			
31				CF-031-00.2-NA-S				3/8/2023			
33				CF-032-00.2-NA-S				3/8/2023			
33				CF-033-00.2-NA-S				3/8/2023			
34				CF-034-00.2-NA-S				3/8/2023			
35				CF-035-00.2-NA-S				3/8/2023			
36				CF-036-00.2-NA-S				3/8/2023			
37				CF-037-00.2-NA-S				3/8/2023			
38				CF-038-00.2-NA-S				3/8/2023			
39				CF-039-00.2-NA-S				3/8/2023			
40				CF-040-00.2-NA-S				3/8/2023			
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Relinquished By: <i>Yochitell T.</i>				Date: 3-8-23				Received By: <i>Monica D. Dittich</i>			
Relinquished By:				Date:				Received By:			
Time:				Time:				REMARKS:			
Delivered By: (Circle One)				Observed Temp., °C				Sample Condition			
Sampler - UPS - Bus - Other:				Corrected Temp., °C				Cool Intact			
4.3				5.7				Yes			
								No			
								Checked BY: (Initials)			
								Turnaround Time:			
								Thermometer ID #113			
								Correction Factor -0.5 °C			
								Standard			
								X			
								Bacteria (only) Sample Condition			
								Cool Intact			
								Yes			
								No			
								Observed Temp., °C			
								Corrected Temp., °C			

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Page 61 of 62

 <b>CARDINAL Laboratories</b> 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		<b>CHAIN-OF-CUSTODY AND ANALYSIS REQUEST</b>	
Company Name: Trinity Oilfield Services Project Manager: Dan Dunkelberg Address: 8426 N Dal Paso City: Hobbs State: NM Zip: 88241 Phone #: _____ Fax #: _____ Project #: _____ Project Name: Federal 12 14H Battery Project Location: Eddy Co. NM dan@trinityoilfieldservices.com Sampler Name: XT		<b>BILL TO</b> P.O. #: _____ Company: OXY USA, Inc. Attn: Wade Dittich Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____	
<b>FOR LAB USE ONLY</b> Lab I.D. <u>17231061</u> Sample I.D. <u>51</u> CF-051-00.2-NA-S <u>52</u> CF-052-00.2-NA-S <u>53</u> CF-053-00.2-NA-S <u>54</u> CF-054-00.2-NA-S		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER : DATE TIME Chloride TPH BTEX	
Relinquished By: <u>Michael T.</u> Date: <u>3-8-23</u> Time: <u>1405</u> Received By: <u>[Signature]</u> Date: _____ Time: _____		Verbal Result: _____ All Results are emailed. Please provide Email address: _____ Addl Phone #: _____	
Delivered By: (Circle One) Sampler - UPS - Bus - Other: _____ Observed Temp. °C <u>4.3</u> Corrected Temp. °C <u>5.1</u> Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: (Initials) <u>AP</u> Turnaround Time: _____ Thermometer ID #113 Correction Factor -0.6 °C Standard <input checked="" type="checkbox"/> X Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C _____ Corrected Temp. °C _____		REMARKS: _____	

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 15, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: FEDERAL 12 14H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/09/23 16:19.

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](http://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 style with a large, stylized 'C' and 'K'.

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: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-055-00.2-NA-S (H231103-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2023	ND	2.11	106	2.00	7.79	
Toluene*	<0.050	0.050	03/10/2023	ND	2.16	108	2.00	8.18	
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.17	108	2.00	4.08	
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.76	113	6.00	3.26	
Total BTEX	<0.300	0.300	03/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	448	16.0	03/10/2023	ND	400	100	400	4.08		

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	03/10/2023	ND	166	83.2	200	7.70	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	168	84.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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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: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-056-00.2-NA-S (H231103-02)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.11	106	2.00	7.79		
Toluene*	<0.050	0.050	03/10/2023	ND	2.16	108	2.00	8.18		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	2.17	108	2.00	4.08		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.76	113	6.00	3.26		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	208	16.0	03/10/2023	ND	400	100	400	4.08	

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	03/10/2023	ND	166	83.2	200	7.70	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	168	84.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-057-00.2-NA-S (H231103-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.03	102	2.00	2.10		
Toluene*	<0.050	0.050	03/10/2023	ND	1.93	96.3	2.00	0.0226		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	98.9	2.00	1.30		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.22		
Total BTEx	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	704	16.0	03/10/2023	ND	400	100	400	4.08		

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	03/10/2023	ND	166	83.2	200	7.70	
DRO >C10-C28*	11.3	10.0	03/10/2023	ND	168	84.1	200	8.43	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-058-00.2-NA-S (H231103-04)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.03	102	2.00	2.10		
Toluene*	<0.050	0.050	03/10/2023	ND	1.93	96.3	2.00	0.0226		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	98.9	2.00	1.30		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.22		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	1070	16.0	03/10/2023	ND	400	100	400	4.08		

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	03/10/2023	ND	166	83.2	200	7.70	
DRO >C10-C28*	32.0	10.0	03/10/2023	ND	168	84.1	200	8.43	
EXT DRO >C28-C36	20.8	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 86.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-059-00.2-NA-S (H231103-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.03	102	2.00	2.10		
Toluene*	<0.050	0.050	03/10/2023	ND	1.93	96.3	2.00	0.0226		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	98.9	2.00	1.30		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.22		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1680	16.0	03/10/2023	ND	400	100	400	4.08		

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	03/10/2023	ND	166	83.2	200	7.70	
DRO >C10-C28*	21.9	10.0	03/10/2023	ND	168	84.1	200	8.43	
EXT DRO >C28-C36	24.9	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-060-00.2-NA-S (H231103-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.03	102	2.00	2.10		
Toluene*	<0.050	0.050	03/10/2023	ND	1.93	96.3	2.00	0.0226		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	98.9	2.00	1.30		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.22		
Total BTEx	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	1600	16.0	03/10/2023	ND	400	100	400	4.08		

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	03/10/2023	ND	166	83.2	200	7.70	
DRO >C10-C28*	21.3	10.0	03/10/2023	ND	168	84.1	200	8.43	
EXT DRO >C28-C36	11.1	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 72.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-061-00.2-NA-S (H231103-07)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2023	ND	2.03	102	2.00	2.10	
Toluene*	<0.050	0.050	03/10/2023	ND	1.93	96.3	2.00	0.0226	
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	98.9	2.00	1.30	
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.22	
Total BTEx	<0.300	0.300	03/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	880	16.0	03/10/2023	ND	416	104	400	3.77		

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	15.8	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-062-00.2-NA-S (H231103-08)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2023	ND	2.03	102	2.00	2.10	
Toluene*	<0.050	0.050	03/10/2023	ND	1.93	96.3	2.00	0.0226	
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	98.9	2.00	1.30	
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.22	
Total BTEx	<0.300	0.300	03/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	576	16.0	03/10/2023	ND	416	104	400	3.77		

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-063-00.2-NA-S (H231103-09)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2023	ND	2.03	102	2.00	2.10	
Toluene*	<0.050	0.050	03/10/2023	ND	1.93	96.3	2.00	0.0226	
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	98.9	2.00	1.30	
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.22	
Total BTEx	<0.300	0.300	03/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	464	16.0	03/10/2023	ND	416	104	400	3.77	

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-064-00.2-NA-S (H231103-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.03	102	2.00	2.10		
Toluene*	<0.050	0.050	03/10/2023	ND	1.93	96.3	2.00	0.0226		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	98.9	2.00	1.30		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.22		
Total BTEx	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	03/10/2023	ND	416	104	400	3.77		

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-065-00.2-NA-S (H231103-11)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2023	ND	2.03	102	2.00	2.10	
Toluene*	<0.050	0.050	03/10/2023	ND	1.93	96.3	2.00	0.0226	
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	98.9	2.00	1.30	
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.22	
Total BTEX	<0.300	0.300	03/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	896	16.0	03/10/2023	ND	416	104	400	3.77	

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	302	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	344	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-066-00.2-NA-S (H231103-12)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/10/2023	ND	2.03	102	2.00	2.10	
Toluene*	<0.050	0.050	03/10/2023	ND	1.93	96.3	2.00	0.0226	
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	98.9	2.00	1.30	
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.22	
Total BTEX	<0.300	0.300	03/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	96.0	16.0	03/10/2023	ND	416	104	400	3.77	

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-067-00.2-NA-S (H231103-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.03	102	2.00	2.10		
Toluene*	<0.050	0.050	03/10/2023	ND	1.93	96.3	2.00	0.0226		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	98.9	2.00	1.30		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.22		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	64.0	16.0	03/10/2023	ND	416	104	400	3.77		

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-068-00.2-NA-S (H231103-14)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.03	102	2.00	2.10		
Toluene*	<0.050	0.050	03/10/2023	ND	1.93	96.3	2.00	0.0226		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	98.9	2.00	1.30		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.22		
Total BTEX	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	480	16.0	03/10/2023	ND	416	104	400	3.77		

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-069-00.2-NA-S (H231103-15)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/10/2023	ND	2.03	102	2.00	2.10		
Toluene*	<0.050	0.050	03/10/2023	ND	1.93	96.3	2.00	0.0226		
Ethylbenzene*	<0.050	0.050	03/10/2023	ND	1.98	98.9	2.00	1.30		
Total Xylenes*	<0.150	0.150	03/10/2023	ND	6.01	100	6.00	1.22		
Total BTEx	<0.300	0.300	03/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	320	16.0	03/10/2023	ND	416	104	400	3.77		

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-070-00.2-NA-S (H231103-16)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2023	ND	2.03	102	2.00	2.10	
Toluene*	<0.050	0.050	03/11/2023	ND	1.93	96.3	2.00	0.0226	
Ethylbenzene*	<0.050	0.050	03/11/2023	ND	1.98	98.9	2.00	1.30	
Total Xylenes*	<0.150	0.150	03/11/2023	ND	6.01	100	6.00	1.22	
Total BTEX	<0.300	0.300	03/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	736	16.0	03/10/2023	ND	416	104	400	3.77		

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-071-00.2-NA-S (H231103-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2023	ND	2.03	102	2.00	2.10		
Toluene*	<0.050	0.050	03/11/2023	ND	1.93	96.3	2.00	0.0226		
Ethylbenzene*	<0.050	0.050	03/11/2023	ND	1.98	98.9	2.00	1.30		
Total Xylenes*	<0.150	0.150	03/11/2023	ND	6.01	100	6.00	1.22		
Total BTEX	<0.300	0.300	03/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	528	16.0	03/10/2023	ND	416	104	400	3.77		

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-072-00.2-NA-S (H231103-18)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2023	ND	2.03	102	2.00	2.10		
Toluene*	<0.050	0.050	03/11/2023	ND	1.93	96.3	2.00	0.0226		
Ethylbenzene*	<0.050	0.050	03/11/2023	ND	1.98	98.9	2.00	1.30		
Total Xylenes*	<0.150	0.150	03/11/2023	ND	6.01	100	6.00	1.22		
Total BTEX	<0.300	0.300	03/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	368	16.0	03/10/2023	ND	416	104	400	3.77		

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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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: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-073-00.2-NA-S (H231103-19)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2023	ND	2.03	102	2.00	2.10	
Toluene*	<0.050	0.050	03/11/2023	ND	1.93	96.3	2.00	0.0226	
Ethylbenzene*	<0.050	0.050	03/11/2023	ND	1.98	98.9	2.00	1.30	
Total Xylenes*	<0.150	0.150	03/11/2023	ND	6.01	100	6.00	1.22	
Total BTEx	<0.300	0.300	03/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	272	16.0	03/10/2023	ND	416	104	400	3.77	

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-074-00.2-NA-S (H231103-20)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/11/2023	ND	2.03	102	2.00	2.10	
Toluene*	<0.050	0.050	03/11/2023	ND	1.93	96.3	2.00	0.0226	
Ethylbenzene*	<0.050	0.050	03/11/2023	ND	1.98	98.9	2.00	1.30	
Total Xylenes*	<0.150	0.150	03/11/2023	ND	6.01	100	6.00	1.22	
Total BTEX	<0.300	0.300	03/11/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	32.0	16.0	03/10/2023	ND	416	104	400	3.77		

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 83.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-075-00.2-NA-S (H231103-21)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2023	ND	2.03	102	2.00	2.10		
Toluene*	<0.050	0.050	03/11/2023	ND	1.93	96.3	2.00	0.0226		
Ethylbenzene*	<0.050	0.050	03/11/2023	ND	1.98	98.9	2.00	1.30		
Total Xylenes*	<0.150	0.150	03/11/2023	ND	6.01	100	6.00	1.22		
Total BTEx	<0.300	0.300	03/11/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	432	16.0	03/10/2023	ND	416	104	400	3.77		

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-076-00.2-NA-S (H231103-22)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/11/2023	ND	2.03	102	2.00	2.10		
Toluene*	<0.050	0.050	03/11/2023	ND	1.93	96.3	2.00	0.0226		
Ethylbenzene*	<0.050	0.050	03/11/2023	ND	1.98	98.9	2.00	1.30		
Total Xylenes*	<0.150	0.150	03/11/2023	ND	6.01	100	6.00	1.22		
Total BTEX	<0.300	0.300	03/11/2023	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	832	16.0	03/10/2023	ND	416	104	400	3.77		

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-077-00.2-NA-S (H231103-23)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	1.94	97.1	2.00	8.97		
Toluene*	<0.050	0.050	03/13/2023	ND	1.99	99.4	2.00	9.90		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	1.97	98.3	2.00	8.98		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.09	102	6.00	10.1		
Total BTEX	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	64.0	16.0	03/10/2023	ND	416	104	400	3.77		

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 74.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-078-00.2-NA-S (H231103-24)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	1.94	97.1	2.00	8.97		
Toluene*	<0.050	0.050	03/13/2023	ND	1.99	99.4	2.00	9.90		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	1.97	98.3	2.00	8.98		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.09	102	6.00	10.1		
Total BTEX	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	48.0	16.0	03/10/2023	ND	416	104	400	3.77	

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	14.6	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	10.3	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-079-00.2-NA-S (H231103-25)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	1.94	97.1	2.00	8.97		
Toluene*	<0.050	0.050	03/13/2023	ND	1.99	99.4	2.00	9.90		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	1.97	98.3	2.00	8.98		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.09	102	6.00	10.1		
Total BTEX	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	64.0	16.0	03/10/2023	ND	416	104	400	3.77		

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	25.8	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	13.5	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-080-00.2-NA-S (H231103-26)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2023	ND	1.94	97.1	2.00	8.97	
Toluene*	<0.050	0.050	03/13/2023	ND	1.99	99.4	2.00	9.90	
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	1.97	98.3	2.00	8.98	
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.09	102	6.00	10.1	
Total BTEX	<0.300	0.300	03/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	80.0	16.0	03/10/2023	ND	416	104	400	3.77		

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	03/10/2023	ND	174	87.2	200	0.587	
DRO >C10-C28*	88.3	10.0	03/10/2023	ND	166	82.8	200	0.0223	
EXT DRO >C28-C36	46.5	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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\*=Accredited Analyte

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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: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-081-00.2-NA-S (H231103-27)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	1.94	97.1	2.00	8.97		
Toluene*	<0.050	0.050	03/13/2023	ND	1.99	99.4	2.00	9.90		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	1.97	98.3	2.00	8.98		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.09	102	6.00	10.1		
Total BTEX	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	224	16.0	03/10/2023	ND	416	104	400	3.77	

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	03/10/2023	ND	200	100	200	1.35	
DRO >C10-C28*	28.4	10.0	03/10/2023	ND	239	119	200	1.88	
EXT DRO >C28-C36	10.4	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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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: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-082-00.2-NA-S (H231103-28)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	1.94	97.1	2.00	8.97		
Toluene*	<0.050	0.050	03/13/2023	ND	1.99	99.4	2.00	9.90		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	1.97	98.3	2.00	8.98		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.09	102	6.00	10.1		
Total BTX	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	03/10/2023	ND	416	104	400	3.77		

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	03/10/2023	ND	200	100	200	1.35	
DRO >C10-C28*	13.9	10.0	03/10/2023	ND	239	119	200	1.88	
EXT DRO >C28-C36	12.1	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-083-00.2-NA-S (H231103-29)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	1.94	97.1	2.00	8.97		
Toluene*	<0.050	0.050	03/13/2023	ND	1.99	99.4	2.00	9.90		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	1.97	98.3	2.00	8.98		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.09	102	6.00	10.1		
Total BTEX	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	224	16.0	03/10/2023	ND	416	104	400	3.77		

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	03/10/2023	ND	200	100	200	1.35	
DRO >C10-C28*	<10.0	10.0	03/10/2023	ND	239	119	200	1.88	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/09/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/09/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-084-00.2-NA-S (H231103-30)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	1.94	97.1	2.00	8.97		
Toluene*	<0.050	0.050	03/13/2023	ND	1.99	99.4	2.00	9.90		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	1.97	98.3	2.00	8.98		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.09	102	6.00	10.1		
Total BTEX	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	208	16.0	03/10/2023	ND	416	104	400	3.77		

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	03/10/2023	ND	200	100	200	1.35	
DRO >C10-C28*	22.8	10.0	03/10/2023	ND	239	119	200	1.88	
EXT DRO >C28-C36	<10.0	10.0	03/10/2023	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
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

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

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Celey D. Keene, Lab Director/Quality Manager

Page 33 of 35

Page 34 of 35

<b>CARDINAL Laboratories</b> 101 East Martland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		<b>CHAIN-OF-CUSTODY AND ANALYSIS REQUEST</b>	
Company Name: Trinity Oilfield Services Project Manager: Dan Dunkelberg Address: 8426 N Dal Paso City: Hobbs State: NM Zip: 88241 Phone #: Fax #: Project #: Project Owner: (see below) Project Location: Federal 12 14H Battery dan@trinityoilfieldservices.com Project Name: Eddy Co., NM Sample Name: XT		<b>BILL TO</b> P.O. #: Company: OXY USA, Inc. Attn: Waste Ditch Address: City: State: Zip: Phone #: Fax #: <b>ANALYSIS REQUEST</b>	
FOR LAB USE ONLY			
Lab I.D. <b>H231103</b>	Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	DATE TIME
21	CF-075-00.2-NA-S	C 1	3/9/2023
22	CF-076-00.2-NA-S	C 1	3/9/2023
23	CF-077-00.2-NA-S	C 1	3/9/2023
24	CF-078-00.2-NA-S	C 1	3/9/2023
25	CF-079-00.2-NA-S	C 1	3/9/2023
26	CF-080-00.2-NA-S	C 1	3/9/2023
27	CF-081-00.2-NA-S	C 1	3/9/2023
28	CF-082-00.2-NA-S	C 1	3/9/2023
29	CF-083-00.2-NA-S	C 1	3/9/2023
30	CF-084-00.2-NA-S	C 1	3/9/2023
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Relinquished By: <b>Yehudit T.</b> Date: <b>3/9/23</b> Time: <b>14:19</b>		Received By: <b>[Signature]</b> Date: <b>3/9/23</b> Time: <b>14:19</b>	
Relinquished By:		Received By:	
Date:		Received By:	
Time:		Received By:	
Delivered By: (Circle One)		Observed Temp. °C <b>4.9</b> Corrected Temp. °C <b>4.3</b>	
Sampler - UPS - Bus - Other:		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No CHECKED BY: (Initials) <b>VP</b> Turnaround Time:	
Thermometer ID #113 Correction Factor -0.5 °C		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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March 15, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: FEDERAL 12 14H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/10/23 16:01.

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](http://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".

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: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-085-00.2-NA-S (H231120-01)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2023	ND	2.22	111	2.00	0.554	
Toluene*	<0.050	0.050	03/13/2023	ND	2.20	110	2.00	0.854	
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.19	109	2.00	1.94	
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.85	114	6.00	1.46	
Total BTEX	<0.300	0.300	03/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	03/14/2023	ND	400	100	400	7.69	

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	03/13/2023	ND	200	100	200	1.42	
DRO >C10-C28*	76.5	10.0	03/13/2023	ND	206	103	200	0.324	
EXT DRO >C28-C36	54.9	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 72.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-086-00.2-NA-S (H231120-02)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	2.22	111	2.00	0.554		
Toluene*	<0.050	0.050	03/13/2023	ND	2.20	110	2.00	0.854		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.19	109	2.00	1.94		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.85	114	6.00	1.46		
Total BTEX	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	03/14/2023	ND	400	100	400	7.69		

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	03/13/2023	ND	200	100	200	1.42	
DRO >C10-C28*	267	10.0	03/13/2023	ND	206	103	200	0.324	
EXT DRO >C28-C36	151	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

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\*=Accredited Analyte

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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: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-087-00.2-NA-S (H231120-03)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	2.22	111	2.00	0.554		
Toluene*	<0.050	0.050	03/13/2023	ND	2.20	110	2.00	0.854		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.19	109	2.00	1.94		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.85	114	6.00	1.46		
Total BTEx	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	03/14/2023	ND	400	100	400	7.69		

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	03/13/2023	ND	200	100	200	1.42	
DRO >C10-C28*	53.1	10.0	03/13/2023	ND	206	103	200	0.324	
EXT DRO >C28-C36	24.4	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 77.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-088-00.2-NA-S (H231120-04)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	2.22	111	2.00	0.554		
Toluene*	<0.050	0.050	03/13/2023	ND	2.20	110	2.00	0.854		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.19	109	2.00	1.94		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.85	114	6.00	1.46		
Total BTEx	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	03/14/2023	ND	400	100	400	7.69		

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	03/13/2023	ND	200	100	200	1.42	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	206	103	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-089-00.2-NA-S (H231120-05)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	2.22	111	2.00	0.554		
Toluene*	<0.050	0.050	03/13/2023	ND	2.20	110	2.00	0.854		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.19	109	2.00	1.94		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.85	114	6.00	1.46		
Total BTEx	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	03/14/2023	ND	400	100	400	7.69		

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	03/13/2023	ND	200	100	200	1.42	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	206	103	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-090-00.2-NA-S (H231120-06)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	2.22	111	2.00	0.554		
Toluene*	<0.050	0.050	03/13/2023	ND	2.20	110	2.00	0.854		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.19	109	2.00	1.94		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.85	114	6.00	1.46		
Total BTEX	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	03/14/2023	ND	400	100	400	7.69		

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	03/13/2023	ND	200	100	200	1.42	
DRO >C10-C28*	640	10.0	03/13/2023	ND	206	103	200	0.324	
EXT DRO >C28-C36	273	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-091-00.2-NA-S (H231120-07)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2023	ND	2.22	111	2.00	0.554	
Toluene*	<0.050	0.050	03/13/2023	ND	2.20	110	2.00	0.854	
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.19	109	2.00	1.94	
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.85	114	6.00	1.46	
Total BTEX	<0.300	0.300	03/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1890	16.0	03/14/2023	ND	400	100	400	7.69		

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	03/13/2023	ND	200	100	200	1.42	
DRO >C10-C28*	457	10.0	03/13/2023	ND	206	103	200	0.324	
EXT DRO >C28-C36	211	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-092-00.2-NA-S (H231120-08)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2023	ND	2.22	111	2.00	0.554	
Toluene*	<0.050	0.050	03/13/2023	ND	2.20	110	2.00	0.854	
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.19	109	2.00	1.94	
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.85	114	6.00	1.46	
Total BTEX	<0.300	0.300	03/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	03/14/2023	ND	400	100	400	7.69	

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	03/13/2023	ND	200	100	200	1.42	
DRO >C10-C28*	393	10.0	03/13/2023	ND	206	103	200	0.324	
EXT DRO >C28-C36	263	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-093-00.2-NA-S (H231120-09)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	2.22	111	2.00	0.554		
Toluene*	<0.050	0.050	03/13/2023	ND	2.20	110	2.00	0.854		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.19	109	2.00	1.94		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.85	114	6.00	1.46		
Total BTEX	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	03/14/2023	ND	400	100	400	7.69		

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	03/13/2023	ND	200	100	200	1.42	
DRO >C10-C28*	11.3	10.0	03/13/2023	ND	206	103	200	0.324	
EXT DRO >C28-C36	12.5	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-094-00.2-NA-S (H231120-10)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	2.22	111	2.00	0.554		
Toluene*	<0.050	0.050	03/13/2023	ND	2.20	110	2.00	0.854		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.19	109	2.00	1.94		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.85	114	6.00	1.46		
Total BTEX	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/14/2023	ND	400	100	400	7.69		

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	03/13/2023	ND	200	100	200	1.42	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	206	103	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-095-00.2-NA-S (H231120-11)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	2.22	111	2.00	0.554		
Toluene*	<0.050	0.050	03/13/2023	ND	2.20	110	2.00	0.854		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.19	109	2.00	1.94		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.85	114	6.00	1.46		
Total BTEX	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	03/14/2023	ND	400	100	400	7.69		

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	03/13/2023	ND	200	100	200	1.42	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	206	103	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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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: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-096-00.2-NA-S (H231120-12)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2023	ND	2.22	111	2.00	0.554	
Toluene*	<0.050	0.050	03/13/2023	ND	2.20	110	2.00	0.854	
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.19	109	2.00	1.94	
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.85	114	6.00	1.46	
Total BTEX	<0.300	0.300	03/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1040	16.0	03/14/2023	ND	400	100	400	7.69		

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	03/13/2023	ND	200	100	200	1.42	
DRO >C10-C28*	213	10.0	03/13/2023	ND	206	103	200	0.324	
EXT DRO >C28-C36	98.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-097-00.2-NA-S (H231120-13)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/15/2023	ND	1.81	90.4	2.00	24.2		
Toluene*	<0.050	0.050	03/15/2023	ND	1.80	89.8	2.00	24.0		
Ethylbenzene*	<0.050	0.050	03/15/2023	ND	1.81	90.6	2.00	22.1		
Total Xylenes*	<0.150	0.150	03/15/2023	ND	5.72	95.3	6.00	21.3		
Total BTEX	<0.300	0.300	03/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1300	16.0	03/14/2023	ND	400	100	400	7.69		

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	03/13/2023	ND	200	100	200	1.42	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	206	103	200	0.324	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 84.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-098-00.2-NA-S (H231120-14)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/15/2023	ND	1.81	90.4	2.00	24.2		
Toluene*	<0.050	0.050	03/15/2023	ND	1.80	89.8	2.00	24.0		
Ethylbenzene*	<0.050	0.050	03/15/2023	ND	1.81	90.6	2.00	22.1		
Total Xylenes*	<0.150	0.150	03/15/2023	ND	5.72	95.3	6.00	21.3		
Total BTEX	<0.300	0.300	03/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	03/14/2023	ND	400	100	400	7.69		

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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	198	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	58.7	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-099-00.2-NA-S (H231120-15)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/15/2023	ND	1.81	90.4	2.00	24.2		
Toluene*	<0.050	0.050	03/15/2023	ND	1.80	89.8	2.00	24.0		
Ethylbenzene*	<0.050	0.050	03/15/2023	ND	1.81	90.6	2.00	22.1		
Total Xylenes*	<0.150	0.150	03/15/2023	ND	5.72	95.3	6.00	21.3		
Total BTEX	<0.300	0.300	03/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	03/14/2023	ND	400	100	400	7.69		

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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-100-00.2-NA-S (H231120-16)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/15/2023	ND	1.81	90.4	2.00	24.2		
Toluene*	<0.050	0.050	03/15/2023	ND	1.80	89.8	2.00	24.0		
Ethylbenzene*	<0.050	0.050	03/15/2023	ND	1.81	90.6	2.00	22.1		
Total Xylenes*	<0.150	0.150	03/15/2023	ND	5.72	95.3	6.00	21.3		
Total BTEX	<0.300	0.300	03/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/14/2023	ND	432	108	400	3.77		

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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-101-00.2-NA-S (H231120-17)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/15/2023	ND	1.81	90.4	2.00	24.2		
Toluene*	<0.050	0.050	03/15/2023	ND	1.80	89.8	2.00	24.0		
Ethylbenzene*	<0.050	0.050	03/15/2023	ND	1.81	90.6	2.00	22.1		
Total Xylenes*	<0.150	0.150	03/15/2023	ND	5.72	95.3	6.00	21.3		
Total BTEX	<0.300	0.300	03/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	03/14/2023	ND	432	108	400	3.77		

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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 74.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.3 % 49.1-148

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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-102-00.2-NA-S (H231120-18)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2023	ND	2.07	104	2.00	0.472	
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94	
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80	
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12	
Total BTEX	<0.300	0.300	03/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2820	16.0	03/14/2023	ND	432	108	400	3.77		

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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-103-00.2-NA-S (H231120-19)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	2.07	104	2.00	0.472		
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12		
Total BTEX	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2200	16.0	03/14/2023	ND	432	108	400	3.77		

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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

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\*=Accredited Analyte

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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: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-104-00.2-NA-S (H231120-20)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2023	ND	2.07	104	2.00	0.472	
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94	
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80	
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12	
Total BTEX	<0.300	0.300	03/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1170	16.0	03/14/2023	ND	432	108	400	3.77		

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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	22.6	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-105-00.2-NA-S (H231120-21)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2023	ND	2.07	104	2.00	0.472	
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94	
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80	
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12	
Total BTEX	<0.300	0.300	03/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	03/14/2023	ND	432	108	400	3.77		

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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	573	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	221	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-106-00.2-NA-S (H231120-22)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	2.07	104	2.00	0.472		
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12		
Total BTEX	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	03/14/2023	ND	432	108	400	3.77		

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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	10.4	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-107-00.2-NA-S (H231120-23)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	2.07	104	2.00	0.472		
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12		
Total BTEX	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1470	16.0	03/14/2023	ND	432	108	400	3.77		

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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	11.7	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 79.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-108-00.2-NA-S (H231120-24)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2023	ND	2.07	104	2.00	0.472	
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94	
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80	
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12	
Total BTEX	<0.300	0.300	03/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1810	16.0	03/14/2023	ND	432	108	400	3.77		

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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 76.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-109-00.2-NA-S (H231120-25)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2023	ND	2.07	104	2.00	0.472	
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94	
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80	
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12	
Total BTEX	<0.300	0.300	03/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	03/14/2023	ND	432	108	400	3.77		

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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-110-00.2-NA-S (H231120-26)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2023	ND	2.07	104	2.00	0.472	
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94	
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80	
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12	
Total BTEX	<0.300	0.300	03/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	928	16.0	03/14/2023	ND	432	108	400	3.77		

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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 77.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-111-00.2-NA-S (H231120-27)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	2.07	104	2.00	0.472		
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12		
Total BTEX	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/14/2023	ND	432	108	400	3.77		

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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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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: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-112-00.2-NA-P (H231120-28)**

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2023	ND	2.07	104	2.00	0.472	
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94	
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80	
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12	
Total BTEX	<0.300	0.300	03/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	03/14/2023	ND	432	108	400	3.77	

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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 76.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-113-00.2-NA-P (H231120-29)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/13/2023	ND	2.07	104	2.00	0.472	
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94	
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80	
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12	
Total BTEX	<0.300	0.300	03/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/14/2023	ND	432	108	400	3.77		

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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-114-00.2-NA-P (H231120-30)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	2.07	104	2.00	0.472		
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12		
Total BTEX	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/14/2023	ND	432	108	400	3.77		

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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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\*=Accredited Analyte

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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: 03/10/2023  
 Reported: 03/15/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 03/10/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-115-00.2-NA-P (H231120-31)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2023	ND	2.07	104	2.00	0.472		
Toluene*	<0.050	0.050	03/13/2023	ND	2.10	105	2.00	1.94		
Ethylbenzene*	<0.050	0.050	03/13/2023	ND	2.08	104	2.00	1.80		
Total Xylenes*	<0.150	0.150	03/13/2023	ND	6.33	105	6.00	1.12		
Total BTEX	<0.300	0.300	03/13/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/14/2023	ND	432	108	400	3.77		

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	03/13/2023	ND	216	108	200	4.85	
DRO >C10-C28*	<10.0	10.0	03/13/2023	ND	207	103	200	4.90	
EXT DRO >C28-C36	<10.0	10.0	03/13/2023	ND					

Surrogate: 1-Chlorooctane 75.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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

---

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager

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Page 35 of 37

Page 36 of 37

Page 37 of 37



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

September 05, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: FEDERAL 12 14H

Enclosed are the results of analyses for samples received by the laboratory on 08/29/23 16:38.

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](http://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 style with a large, stylized 'C' and 'K'.

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: 08/29/2023  
 Reported: 09/05/2023  
 Project Name: FEDERAL 12 14H  
 Project Number: NONE GIVEN  
 Project Location: OXY

Sampling Date: 08/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-001.0-00.1-S (H234704-01)**

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	08/31/2023	ND	1.86	92.8	2.00	0.173	
Toluene*	<0.050	0.050	08/31/2023	ND	1.81	90.4	2.00	0.0137	
Ethylbenzene*	<0.050	0.050	08/31/2023	ND	1.88	94.2	2.00	0.0851	
Total Xylenes*	<0.150	0.150	08/31/2023	ND	5.65	94.1	6.00	0.494	
Total BTEx	<0.300	0.300	08/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	32.0	16.0	08/30/2023	ND	384	96.0	400	4.08		

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	08/31/2023	ND	201	101	200	5.61	
DRO >C10-C28*	85.7	10.0	08/31/2023	ND	195	97.7	200	7.52	
EXT DRO >C28-C36	28.2	10.0	08/31/2023	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 49.1-148

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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: 08/29/2023  
 Reported: 09/05/2023  
 Project Name: FEDERAL 12 14H  
 Project Number: NONE GIVEN  
 Project Location: OXY

Sampling Date: 08/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-002.0-00.1-S (H234704-02)**

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	08/31/2023	ND	1.86	92.8	2.00	0.173	
Toluene*	<0.050	0.050	08/31/2023	ND	1.81	90.4	2.00	0.0137	
Ethylbenzene*	<0.050	0.050	08/31/2023	ND	1.88	94.2	2.00	0.0851	
Total Xylenes*	<0.150	0.150	08/31/2023	ND	5.65	94.1	6.00	0.494	
Total BTX	<0.300	0.300	08/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	32.0	16.0	08/30/2023	ND	384	96.0	400	4.08	

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	08/31/2023	ND	201	101	200	5.61	
DRO >C10-C28*	82.4	10.0	08/31/2023	ND	195	97.7	200	7.52	
EXT DRO >C28-C36	22.8	10.0	08/31/2023	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 08/29/2023  
 Reported: 09/05/2023  
 Project Name: FEDERAL 12 14H  
 Project Number: NONE GIVEN  
 Project Location: OXY

Sampling Date: 08/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-003.0-00.1-S (H234704-03)**

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	08/31/2023	ND	1.86	92.8	2.00	0.173	
Toluene*	<0.050	0.050	08/31/2023	ND	1.81	90.4	2.00	0.0137	
Ethylbenzene*	<0.050	0.050	08/31/2023	ND	1.88	94.2	2.00	0.0851	
Total Xylenes*	<0.150	0.150	08/31/2023	ND	5.65	94.1	6.00	0.494	
Total BTX	<0.300	0.300	08/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	16.0	16.0	08/30/2023	ND	384	96.0	400	4.08	

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	08/31/2023	ND	201	101	200	5.61	
DRO >C10-C28*	<10.0	10.0	08/31/2023	ND	195	97.7	200	7.52	
EXT DRO >C28-C36	<10.0	10.0	08/31/2023	ND					

Surrogate: 1-Chlorooctane 77.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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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: 08/29/2023  
 Reported: 09/05/2023  
 Project Name: FEDERAL 12 14H  
 Project Number: NONE GIVEN  
 Project Location: OXY

Sampling Date: 08/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-004.0-00.1-S (H234704-04)**

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	08/31/2023	ND	1.86	92.8	2.00	0.173	
Toluene*	<0.050	0.050	08/31/2023	ND	1.81	90.4	2.00	0.0137	
Ethylbenzene*	<0.050	0.050	08/31/2023	ND	1.88	94.2	2.00	0.0851	
Total Xylenes*	<0.150	0.150	08/31/2023	ND	5.65	94.1	6.00	0.494	
Total BTX	<0.300	0.300	08/31/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	288	16.0	08/30/2023	ND	384	96.0	400	4.08	

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	08/31/2023	ND	201	101	200	5.61	
DRO >C10-C28*	<10.0	10.0	08/31/2023	ND	195	97.7	200	7.52	
EXT DRO >C28-C36	<10.0	10.0	08/31/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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\*=Accredited Analyte

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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: 08/29/2023  
 Reported: 09/05/2023  
 Project Name: FEDERAL 12 14H  
 Project Number: NONE GIVEN  
 Project Location: OXY

Sampling Date: 08/28/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-005.0-00.1-S (H234704-05)**

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	08/31/2023	ND	1.86	92.8	2.00	0.173		
Toluene*	<0.050	0.050	08/31/2023	ND	1.81	90.4	2.00	0.0137		
Ethylbenzene*	<0.050	0.050	08/31/2023	ND	1.88	94.2	2.00	0.0851		
Total Xylenes*	<0.150	0.150	08/31/2023	ND	5.65	94.1	6.00	0.494		
Total BTEX	<0.300	0.300	08/31/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	32.0	16.0	08/30/2023	ND	384	96.0	400	4.08	

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	08/31/2023	ND	201	101	200	5.61	
DRO >C10-C28*	<10.0	10.0	08/31/2023	ND	195	97.7	200	7.52	
EXT DRO >C28-C36	<10.0	10.0	08/31/2023	ND					

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

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---

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---

### Notes and Definitions

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

---

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A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

---

Celey D. Keene, Lab Director/Quality Manager

Page 8 of 8



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---

October 11, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: FEDERAL 12 14H BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/06/23 12:32.

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](http://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 fluid and cursive, with the first name "Celey" being more prominent.

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: 10/06/2023  
 Reported: 10/11/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 09/29/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CW-001.1-00.0-S (H235460-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2023	ND	2.06	103	2.00	1.84	
Toluene*	<0.050	0.050	10/08/2023	ND	1.95	97.5	2.00	1.75	
Ethylbenzene*	<0.050	0.050	10/08/2023	ND	2.01	100	2.00	1.31	
Total Xylenes*	<0.150	0.150	10/08/2023	ND	6.15	103	6.00	1.97	
Total BTEX	<0.300	0.300	10/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	16.0	16.0	10/09/2023	ND	416	104	400	3.77		

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	10/09/2023	ND	201	101	200	4.44	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	198	98.9	200	4.99	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 10/06/2023  
 Reported: 10/11/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 09/29/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CW-002.1-00.0-S (H235460-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/08/2023	ND	2.06	103	2.00	1.84		
Toluene*	<0.050	0.050	10/08/2023	ND	1.95	97.5	2.00	1.75		
Ethylbenzene*	<0.050	0.050	10/08/2023	ND	2.01	100	2.00	1.31		
Total Xylenes*	<0.150	0.150	10/08/2023	ND	6.15	103	6.00	1.97		
Total BTEX	<0.300	0.300	10/08/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	32.0	16.0	10/09/2023	ND	416	104	400	3.77		

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	10/09/2023	ND	201	101	200	4.44	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	198	98.9	200	4.99	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TRINITY OILFIELD SERVICES & RENTALS, LLC  
 DAN DUNKELBERG  
 P. O. BOX 2587  
 HOBBS NM, 88241  
 Fax To: NONE

Received: 10/06/2023  
 Reported: 10/11/2023  
 Project Name: FEDERAL 12 14H BATTERY  
 Project Number: NONE GIVEN  
 Project Location: OXY - EDDY CO., NM

Sampling Date: 09/29/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: CW-006.0-00.0-S (H235460-03)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/08/2023	ND	2.06	103	2.00	1.84	
Toluene*	<0.050	0.050	10/08/2023	ND	1.95	97.5	2.00	1.75	
Ethylbenzene*	<0.050	0.050	10/08/2023	ND	2.01	100	2.00	1.31	
Total Xylenes*	<0.150	0.150	10/08/2023	ND	6.15	103	6.00	1.97	
Total BTEX	<0.300	0.300	10/08/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	32.0	16.0	10/09/2023	ND	416	104	400	3.77		

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	10/09/2023	ND	201	101	200	4.44	
DRO >C10-C28*	<10.0	10.0	10/09/2023	ND	198	98.9	200	4.99	
EXT DRO >C28-C36	<10.0	10.0	10/09/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
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

---

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager

Page 6 of 6

**District I**

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 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 298212

**QUESTIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:
	16696
	Action Number:
	298212
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAB1732444101
Incident Name	NAB1732444101 FEDERAL 12 #014H @ 30-015-40821
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-40821] FEDERAL 12 #014H

**Location of Release Source**

Please answer all the questions in this group.

Site Name	FEDERAL 12 #014H
Date Release Discovered	11/10/2017
Surface Owner	Federal

**Incident Details**

Please answer all the questions in this group.

Incident Type	Produced Water 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   Gasket   Crude Oil   Released: 1 BBL   Recovered: 0 BBL   Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Gasket   Produced Water   Released: 7 BBL   Recovered: 0 BBL   Lost: 7 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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**

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**District II**

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**District III**

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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 298212

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 298212
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>No</b>
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<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	<b>True</b>
The impacted area has been secured to protect human health and the environment	<b>True</b>
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	<b>True</b>
All free liquids and recoverable materials have been removed and managed appropriately	<b>True</b>
If all the actions described above have not been undertaken, explain why	<i>Not answered.</i>

*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: 12/29/2023
--	---

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Phone:(575) 393-6161 Fax:(575) 393-0720

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Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

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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 298212

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:	16696
	Action Number:	298212
	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 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
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	Yes

**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
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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)	9300
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	3080
GRO+DRO (EPA SW-846 Method 8015M)	2911
BTEX (EPA SW-846 Method 8021B or 8260B)	1.8
Benzene (EPA SW-846 Method 8021B or 8260B)	0.1

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	03/08/2023
On what date will (or did) the final sampling or liner inspection occur	03/08/2023
On what date will (or was) the remediation complete(d)	09/29/2023
What is the estimated surface area (in square feet) that will be reclaimed	22784
What is the estimated volume (in cubic yards) that will be reclaimed	169
What is the estimated surface area (in square feet) that will be remediated	22784
What is the estimated volume (in cubic yards) that will be remediated	169

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.

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QUESTIONS, Page 4

Action 298212

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 298212
	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 <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> 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: 12/29/2023
--	---

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.

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Action 298212

QUESTIONS (continued)

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  298212
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only	
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.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 298212

**QUESTIONS (continued)**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:	16696
	Action Number:	298212
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	298483
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	03/08/2023
What was the (estimated) number of samples that were to be gathered	122
What was the sampling surface area in square feet	22784

**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	22784
What was the total volume (cubic yards) remediated	169
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	22784
What was the total volume (in cubic yards) reclaimed	169
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: 12/29/2023
--	---

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Action 298212

**QUESTIONS (continued)**

Operator:  OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:  16696
	Action Number:  298212
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Reclamation Report</b>	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 298212

**CONDITIONS**

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID:
	16696
	Action Number:
	298212
Action Type:	
[C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAB1732444101 FEDERAL 12 #014H, thank you. This Remediation Closure Report is approved. The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical.	3/27/2024
rhamlet	Pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan. A revegetation report will not be accepted until the release area, including areas reasonably needed for production or drilling activities, are complete. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable. All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil.	3/27/2024
rhamlet	Information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved. OR Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	3/27/2024