

Incident ID	NAPP2304133508
District RP	
Facility ID	
Application ID	


## Closure

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

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

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

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Connor Walker Title: Sr. Engineer  
Signature:  Date: 06/30/2023  
email: cwalker@mewbourne.com Telephone: 806-202-5281

**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: \_\_\_\_\_

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## Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>NA</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <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.

State of New Mexico  
Oil Conservation Division

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Printed Name: Connor Walker Title: Sr. Engineer  
Signature:  Date: 06/30/2023  
email: cwalker@mewbourne.com Telephone: 806-202-5281

**OCD Only**

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

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## Remediation Plan


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

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

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

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

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Printed Name: Connor Walker Title: Sr. Engineer  
Signature:  Date: 06/30/2023  
email: cwalker@mewbourne.com Telephone: 806-202-5281

**OCD Only**

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

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

Signature: \_\_\_\_\_ Date: \_\_\_\_\_



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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	NAPP2304133508
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Release Notification

Responsible Party

Responsible Party	Mewbourne Oil Company	OGRID	14744
Contact Name	Connor Walker	Contact Telephone	806-202-5281
Contact email	cwalker@mewbourne.com	Incident # (assigned by OCD)	nAPP2304133508
Contact mailing address	4801 Business Park Blvd, Hobbs, NM 88240		

Location of Release Source

Latitude 32.052236 \_\_\_\_\_ Longitude -103.668666 \_\_\_\_\_  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name	Red Hills West Unit #010H Battery	Site Type	Battery
Date Release Discovered	1/28/2023	API# (if applicable)	

Unit Letter	Section	Township	Range	County
M	10	26S	32E	Lea

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 45	Volume Recovered (bbls) 35
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 45	Volume Recovered (bbls) 35
	Is the concentration of dissolved chloride in the produced water >10,000 mg/l?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release  
A gasket on a heater treater failed.


State of New Mexico  
Oil Conservation Division

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Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? The release was greater than 25 bbls.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notice was given by Connor Walker to <a href="mailto:ocd.enviro@state.nm.us">ocd.enviro@state.nm.us</a> on 1/28/2023 @ 4:44 PM MST via email.	

**Initial Response**

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

<input checked="" type="checkbox"/> The source of the release has been stopped.	
<input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.	
<input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.	
<input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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: <u>Connor Walker</u>	Title: <u>Sr. Engineer</u>
Signature: 	Date: <u>2/10/2023</u>
email: <u>cwalker@mewbourne.com</u>	Telephone: <u>806-202-5281</u>
<b><u>OCD Only</u></b>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>02/10/2023</u>

# Trinity Oilfield Services & Rentals, LLC



June 30<sup>th</sup>, 2023

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

Re: **Closure Request**  
**Red Hills West Unit #010H Battery**  
**Tracking #: NAPP2304133508**

Trinity Oilfield Services (Trinity), on behalf of Mewbourne Oil Co., 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	NAPP2304133508
Site Name	Red Hills West Unit #010H Battery
Company	Mewbourne Oil Co.
County	Lea
ULSTR	M-10-26S-32E
GPS Coordinates (NAD 83)	32.052236, -103.668666
Landowner	Federal

## RELEASE BACKGROUND

On 2/10/2023, Mewbourne Oil Co. reported a release at the Red Hills West Unit #010H Battery. The release was caused when a gasket on a heater treater failed. Approximately 13,292 sqft. of the Pad and Pasture was found to be damp upon initial inspection.

Release Information	
Date of Release	1/28/2023
Type of Release	Crude Oil and Produced Water
Source of Release	Equipment Failure
Volume Released – Produced Water	45 bbls
Volume Recovered – Produced Water	35 bbls
Volume Released – Crude Oil	45 bbls
Volume Recovered – Crude Oil	35 bbls
Affected Area – Damp Soil	Pad and Pasture - Approximately 13,292 sqft.
Site Location Map	Attached

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

Data Source	Well Number	Data Date	Depth (ft.)
NM OSE	NA	NA	NA
USGS	NA	NA	NA
Soil Bore	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 Zero (0) wells occurred in the databases that meet the NMOCD criteria for the age of data, the distance of the data point well from the release point, and a data point well having a diagram of construction.

**General Site Characterization:**

Site Assessment	
Karst Potential	Medium
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 Medium potential for cave and karst, and no other receptors (residence, school, hospital, institution, church, mining, municipal, or other ordinance boundaries) were located within the regulatorily promulgated distances from the site.

**Closure Criteria:**

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

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

**REQUEST FOR DEFERRAL**

Per the requirements of 19.15.29.12C (1) & (2) Trinity, on behalf of Mewbourne Oil Co., requests a deferral at the Red Hills West Unit #010H Battery. The contamination area has been fully delineated to meet NMOCD remediation standards.

Existing pipeline infrastructure, illustrated in yellow on the Remediation Map, hinders the full execution of Remediation Floors and Remediation Walls. The remediation floors, illustrated in blue within the pipeline infrastructure, were dug to a depth of 1' and subsequent excavation is requested to be deferred. The remediation walls illustrated in pink were dug to 0.5' (CW-001 and CW-002) and 2' (CW-020) and subsequent excavation is requested to be deferred. Full vertical and horizontal remediation and reclamation of the site illustrated in pink and blue will be in accordance with 19.15.29.12 and 19.15.29.13 NMAC once deconstruction of infrastructure occurs. The current condition of the release area does not cause an imminent risk to human health, the environment, or groundwater.

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

<b>Delineation Summary</b>	
Delineation Dates	02/21/2023 - 04/06/2023
Depths Sampled	0' - 6'
Delineation Map	Attached
Laboratory Results	Table 1

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

**Confirmation Activities:**

<b>Remediation Summary</b>	
Remediation Dates	With 90 NMOCD Approval
Workplan Approval	At Risk
Liner Variance Request	None
Deferral Request	Yes
Depths Excavated	1' - 7'
Area Represented by the required 5-point Confirmation Samples – Floors and Walls	200 sqft.
Total Volume of Excavated Soil	1,165 yards
Remediation Map	Attached
Laboratory Results	Table 2

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

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

**SITE RECLAMATION AND RESTORATION**

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

**REQUEST FOR CLOSURE**

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

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

Sincerely,



Dan Dunkelberg  
Project Manager



Cynthia Jordan  
Project Scientist

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

**MEWBOURNE OIL COMPANY**  
**RED HILLS WEST UNIT #010H BATTERY**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE #: NAPP2304133508**



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)
<b>NMOCD Closure Limits Pad</b>							<b>600</b>	<b>100</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>10</b>
<b>NMOCD Closure Limits Pasture to 4'</b>							<b>600</b>	<b>100</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>10</b>
<b>Vertical Delineation</b>														
SP-001-00.0-V-P	0	2/16/2023	Vertical	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-001-01.0-V-P	1	2/16/2023	Vertical	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-001-02.0-V-P	2	2/16/2023	Vertical	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-001-03.0-V-P	3	2/16/2023	Vertical	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-002-00.0-V-P	0	2/16/2023	Vertical	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-002-01.0-V-P	1	2/16/2023	Vertical	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-002-02.0-V-P	2	2/16/2023	Vertical	Off-Site	Grab	In-Situ	<16.0	15.6	15.6	<10.0	15.6	<10.0	<10.0	<10.0
SP-003-00.0-V-P	0	2/16/2023	Vertical	Off-Site	Grab	In-Situ	32.00	755	403	<10.0	403	352	<10.0	<10.0
SP-003-01.0-V-P	1	2/16/2023	Vertical	Off-Site	Grab	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-003-02.0-V-P	2	2/16/2023	Vertical	Off-Site	Grab	In-Situ	48.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-003-03.0-V-P	3	2/16/2023	Vertical	Off-Site	Grab	In-Situ	48.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-006-00.0-V-S	0	2/21/2023	Vertical	On-Site	Grab	In-Situ	7440	20650	18140	1640	16500	2510	44.1	<10.0
SP-006-02.0-V-S	2	2/21/2023	Vertical	On-Site	Grab	In-Situ	112	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-007-00.0-V-S	0	2/21/2023	Vertical	On-Site	Grab	In-Situ	3000	14770	13750	1750	12000	1020	68.5	<10.0
SP-007-02.0-V-S	2	2/21/2023	Vertical	On-Site	Grab	In-Situ	64.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-008-00.0-V-S	0	2/21/2023	Vertical	On-Site	Grab	In-Situ	3800	14412	13420	1720	11700	992	70.3	<10.0
SP-008-02.0-V-S	2	2/21/2023	Vertical	On-Site	Grab	In-Situ	128	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-009-00.0-V-S	0	2/21/2023	Vertical	On-Site	Grab	In-Situ	720	40690	37210	4810	32400	3480	217	1.19
SP-009-02.0-V-S	2	2/21/2023	Vertical	On-Site	Grab	In-Situ	112	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-010-00.0-V-S	0	2/21/2023	Vertical	On-Site	Grab	In-Situ	9460	17738	16770	2670	14100	968	97.2	<10.0
SP-010-02.0-V-S	2	2/21/2023	Vertical	On-Site	Grab	In-Situ	624	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-010-03.0-V-S	3	3/9/2023	Vertical	On-Site	Grab	In-Situ	16.0	1977	1977	1390	587	<10.0	62.2	<10.0
SP-010-04.0-V-S	4	4/6/2023	Vertical	On-Site	Grab	In-Situ	64.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-011-00.0-V-S	0	2/21/2023	Vertical	On-Site	Grab	In-Situ	15200	1918.9	1705.9	35.9	1670	213	0.498	<10.0
SP-011-02.0-V-S	2	2/21/2023	Vertical	On-Site	Grab	In-Situ	16.0	310	310	101	209	<10.0	29.7	0.251
SP-011-03.0-V-S	3	3/9/2023	Vertical	On-Site	Grab	In-Situ	32.0	841	841	592	249	<10.0	25.1	<10.0
SP-011-04.0-V-S	4	4/6/2023	Vertical	On-Site	Grab	In-Situ	64.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-012-00.0-V-P	0	3/17/2023	Vertical	Off-Site	Grab	In-Situ	288	1754	1400	<10.0	1400	354	<10.0	<10.0
SP-012-04.0-V-P	4	3/17/2023	Vertical	Off-Site	Grab	In-Situ	4800	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-012-06.0-V-P	6	3/17/2023	Vertical	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-013-00.0-V-P	0	3/17/2023	Vertical	Off-Site	Grab	In-Situ	336	11.8	11.8	<10.0	11.8	<10.0	<10.0	<10.0
SP-013-04.0-V-P	4	3/17/2023	Vertical	Off-Site	Grab	In-Situ	2480	344.5	297	<10.0	297	47.5	<10.0	<10.0
SP-013-06.0-V-P	6	3/17/2023	Vertical	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-014-00.0-V-P	0	3/17/2023	Vertical	Off-Site	Grab	In-Situ	464	8490	6850	<10.0	6850	1640	<10.0	<10.0
SP-014-04.0-V-P	4	3/17/2023	Vertical	Off-Site	Grab	In-Situ	2240	245.3	184	<10.0	184	61.3	<10.0	<10.0
SP-014-06.0-V-P	6	3/17/2023	Vertical	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

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

**MEWBOURNE OIL COMPANY**  
**RED HILLS WEST UNIT #010H BATTERY**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE #: NAPP2304133508**



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	Floor/ Wall	Off-Site/ On-Site	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits Pad							600	100	NE	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4'							600	100	NE	NE	NE	NE	50	10
Horizontal Delineation														
SP-001-01.0-HE-P	1	2/23/2023	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-001-01.0-HS-P	1	2/23/2023	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-002-01.0-HS-P	1	2/23/2023	Horizontal	Off-Site	Grab	In-Situ	32.0	3943.7	3609.7	29.7	3580	334	<10.0	<10.0
SP-002-01.0-HS-P	1	3/9/2023	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-002-01.0-HW-P	1	2/23/2023	Horizontal	Off-Site	Grab	In-Situ	32.0	12.7	12.7	<10.0	12.7	<10.0	<10.0	<10.0
SP-002-01.0-HN-P	1	2/23/2023	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-003-01.0-HW-P	1	2/23/2023	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-003-01.0-HN-P	1	2/23/2023	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-003-01.0-HE-P	1	2/23/2023	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-006-01.0-HE-S	1	2/27/2023	Horizontal	On-Site	Grab	In-Situ	64.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-006-01.0-HW-S	1	2/27/2023	Horizontal	On-Site	Grab	In-Situ	64.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-007-01.0-HE-S	1	2/27/2023	Horizontal	On-Site	Grab	In-Situ	96.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-007-01.0-HW-S	1	2/27/2023	Horizontal	On-Site	Grab	In-Situ	64.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-008-01.0-HS-S	1	2/27/2023	Horizontal	On-Site	Grab	In-Situ	32.0	26.6	26.6	<10.0	26.6	<10.0	<10.0	<10.0
SP-008-01.0-HE-S	1	2/27/2023	Horizontal	On-Site	Grab	In-Situ	48.0	14.3	14.3	<10.0	14.3	<10.0	<10.0	<10.0
SP-008-01.0-HN-S	1	2/27/2023	Horizontal	On-Site	Grab	In-Situ	16.0	37.4	37.4	<10.0	37.4	<10.0	<10.0	<10.0
SP-009-01.0-HW-S	1	2/27/2023	Horizontal	On-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-010-01.0-HE-S	1	2/27/2023	Horizontal	On-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-010-01.0-HW-S	1	2/27/2023	Horizontal	On-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-011-01.0-HE-S	1	2/27/2023	Horizontal	On-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-011-01.0-HW-S	1	2/27/2023	Horizontal	On-Site	Grab	In-Situ	<16.0	41.6	41.6	<10.0	41.6	<10.0	<10.0	<10.0
SP-011-01.0-HW-S	1	4/6/2023	Horizontal	On-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-012-01.0-HE-P	1	3/17/2023	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-012-01.0-HW-P	1	3/17/2023	Horizontal	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-013-01.0-HE-P	1	3/17/2023	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-013-01.0-HW-P	1	3/17/2023	Horizontal	Off-Site	Grab	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-014-01.0-HE-P	1	3/17/2023	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
SP-014-01.0-HW-P	1	3/17/2023	Horizontal	Off-Site	Grab	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0



**TABLE 2**  
**CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**MEWBOURNE OIL COMPANY**  
**RED HILLS WEST UNIT #010H BATTERY**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE #: NAPP2304133508**



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)
<b>NMOCD Closure Limits Pad</b>							<b>600</b>	<b>100</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>10</b>
<b>NMOCD Closure Limits Pasture to 4'</b>							<b>600</b>	<b>100</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>10</b>
<b>Remediation Floors</b>														
CF-001.0-01.0-S	1	3/17/2023	Floor	On-Site	Composite	In-Situ	1500	1991	1640	<10.0	1640	351	<.300	<0.50
CF-002.0-01.0-S	1	3/17/2023	Floor	On-Site	Composite	In-Situ	1470	1782	1460	<10.0	1460	322	<.300	<0.50
CF-003.0-01.0-S	1	3/17/2023	Floor	On-Site	Composite	In-Situ	1280	1782	1460	<10.0	1460	322	<.300	<0.50
CF-004.0-01.0-S	1	3/17/2023	Floor	On-Site	Composite	In-Situ	496	2616.7	2250.7	10.7	2240	366	<.300	<0.50
CF-005.0-01.0-S	1	3/17/2023	Floor	On-Site	Composite	In-Situ	768	2542.3	2180.3	10.3	2170	362	<.300	<0.50
CF-006.0-01.0-S	1	3/17/2023	Floor	On-Site	Composite	In-Situ	656	2348	2010	<10.0	2010	338	<.300	<0.50
CF-007.0-01.0-S	1	3/17/2023	Floor	On-Site	Composite	In-Situ	688	1801	1490	<10.0	1490	311	<.300	<0.50
CF-008.0-01.0-S	1	3/17/2023	Floor	On-Site	Composite	In-Situ	640	1707	1460	<10.0	1460	247	<.300	<0.50
CF-009.0-01.0-S	1	3/17/2023	Floor	On-Site	Composite	In-Situ	656	1844	1560	<10.0	1560	284	<.300	<0.50
CF-010.0-01.0-S	1	3/17/2023	Floor	On-Site	Composite	In-Situ	1360	2398	2030	<10.0	2030	368	<.300	<0.50
CF-011.0-01.0-S	1	3/17/2023	Floor	On-Site	Composite	In-Situ	624	7840	6700	<10.0	6700	1140	<.300	<0.50
CF-012.0-01.0-S	1	3/17/2023	Floor	On-Site	Composite	In-Situ	656	6510	5500	<10.0	5500	1010	<.300	<0.50
CF-013.0-01.0-S	1	3/17/2023	Floor	On-Site	Composite	In-Situ	672	5873	5070	<10.0	5070	803	<.300	<0.50
CF-014.0-01.0-S	1	3/17/2023	Floor	On-Site	Composite	In-Situ	576	5937	5130	<10.0	5130	807	<.300	<0.50
CF-015.0-04.0-S	4	6/20/2023	Floor	On-Site	Composite	In-Situ	96	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-016.0-04.0-S	4	6/20/2023	Floor	On-Site	Composite	In-Situ	176	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-017.0-04.0-S	4	6/20/2023	Floor	On-Site	Composite	In-Situ	176	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-018.0-04.0-S	4	6/20/2023	Floor	On-Site	Composite	In-Situ	112	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-019.0-04.0-S	4	6/20/2023	Floor	On-Site	Composite	In-Situ	96	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-020.0-04.0-S	4	6/20/2023	Floor	On-Site	Composite	In-Situ	160	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-021.0-01.0-S	1	6/20/2023	Floor	On-Site	Composite	In-Situ	1800	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-022.0-01.0-S	1	6/20/2023	Floor	On-Site	Composite	In-Situ	1760	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-023.0-01.0-S	1	6/20/2023	Floor	On-Site	Composite	In-Situ	608	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-024.0-01.0-S	1	6/20/2023	Floor	On-Site	Composite	In-Situ	528	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-025.0-01.0-S	1	6/20/2023	Floor	On-Site	Composite	In-Situ	480	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-026.0-01.0-S	1	6/20/2023	Floor	On-Site	Composite	In-Situ	512	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-027.0-05.0-P	5	4/6/2023	Floor	Off-Site	Composite	In-Situ	48	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-028.0-05.0-P	5	4/6/2023	Floor	Off-Site	Composite	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-029.0-04.0-P	4	4/6/2023	Floor	Off-Site	Composite	In-Situ	64	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-030.0-04.5-P	4.5	4/6/2023	Floor	Off-Site	Composite	In-Situ	64	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-031.0-07.0-P	7	4/6/2023	Floor	Off-Site	Composite	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-032.0-05.0-P	5	4/6/2023	Floor	Off-Site	Composite	In-Situ	48	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-033.0-03.0-P	3	4/6/2023	Floor	Off-Site	Composite	In-Situ	48	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-034.0-03.0-P	3	4/6/2023	Floor	Off-Site	Composite	In-Situ	48	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-035.0-02.0-P	2	4/6/2023	Floor	Off-Site	Composite	In-Situ	256	23.3	23.3	<10.0	23.3	<10.0	<.300	<0.50
CF-036.0-03.0-P	3	4/6/2023	Floor	Off-Site	Composite	Excavated	64	1161	972	<10.0	972	189	<.300	<0.50
CF-036.0-04.0-P	4	6/2/2023	Floor	Off-Site	Composite	In-Situ	<16.0	11.5	11.5	<10.0	11.5	<10.0	<.300	<0.50

**TABLE 2**  
**CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**MEWBOURNE OIL COMPANY**  
**RED HILLS WEST UNIT #010H BATTERY**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE #: NAPP2304133508**



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)
<b>NMOCD Closure Limits Pad</b>							<b>600</b>	<b>100</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>10</b>
<b>NMOCD Closure Limits Pasture to 4'</b>							<b>600</b>	<b>100</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>10</b>
CF-037.0-03.0-P	3	4/6/2023	Floor	Off-Site	Composite	Excavated	48	1002	851	<10.0	851	151	<.300	<0.50
CF-037.0-04.0-P	4	6/2/2023	Floor	Off-Site	Composite	In-Situ	<16.0	18.5	18.5	<10.0	18.5	<10.0	<.300	<0.50
CF-038.0-03.0-P	3	4/6/2023	Floor	Off-Site	Composite	Excavated	48	953	812	<10.0	812	141	<.300	<0.50
CF-038.0-04.0-P	4	6/2/2023	Floor	Off-Site	Composite	In-Situ	112	21.4	21.4	<10.0	21.4	<10.0	<.300	<0.50
CF-039.0-02.0-P	2	4/6/2023	Floor	Off-Site	Composite	Excavated	48	690	580	<10.0	580	110	<.300	<0.50
CF-039.0-03.0-P	3	6/2/2023	Floor	Off-Site	Composite	In-Situ	80	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-040.0-02.5-P	2.5	4/6/2023	Floor	Off-Site	Composite	Excavated	80	778	660	<10.0	660	118	<.300	<0.50
CF-040.0-03.5-P	3.5	6/2/2023	Floor	Off-Site	Composite	In-Situ	224	10.8	10.8	<10.0	10.8	<10.0	<.300	<0.50
CF-041.0-03.0-P	3	4/6/2023	Floor	Off-Site	Composite	Excavated	32	374.8	323	<10.0	323	51.8	<.300	<0.50
CF-041.0-04.0-P	4	6/2/2023	Floor	Off-Site	Composite	Excavated	128	239	218	<10.0	218	21	<.300	<0.50
CF-041.0-04.5-P	4.5	6/20/2023	Floor	Off-Site	Composite	In-Situ	160	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-042.0-03.0-P	3	4/6/2023	Floor	Off-Site	Composite	Excavated	48	415.8	362	<10.0	362	53.8	<.300	<0.50
CF-042.0-04.0-P	4	6/2/2023	Floor	Off-Site	Composite	In-Situ	80	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-043.0-03.0-P	3	4/6/2023	Floor	Off-Site	Composite	Excavated	48	418.5	370	<10.0	370	48.5	<.300	<0.50
CF-043.0-04.0-P	4	6/2/2023	Floor	Off-Site	Composite	In-Situ	160	71.9	71.9	<10.0	71.9	<10.0	<.300	<0.50
CF-044.0-03.0-P	3	4/6/2023	Floor	Off-Site	Composite	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-045.0-04.0-P	4	4/6/2023	Floor	Off-Site	Composite	Excavated	176	471	420	<10.0	420	51	<.300	<0.50
CF-045.0-05.0-P	5	6/2/2023	Floor	Off-Site	Composite	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-046.0-04.0-P	4	4/6/2023	Floor	Off-Site	Composite	Excavated	208	3871.1	3437.1	37.1	3400	434	<.300	<0.50
CF-046.0-05.0-P	5	6/2/2023	Floor	Off-Site	Composite	Excavated	32	136	121	<10.0	121	15	<.300	<0.50
CF-046.0-06.0-P	6	6/20/2023	Floor	Off-Site	Composite	In-Situ	144	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-047.0-04.0-P	4	4/6/2023	Floor	Off-Site	Composite	Excavated	64	898	787	<10.0	787	111	<.300	<0.50
CF-047.0-05.0-P	5	6/2/2023	Floor	Off-Site	Composite	In-Situ	32	52.4	52.4	<10.0	52.4	<10.0	<.300	<0.50
CF-048.0-03.0-P	3	4/6/2023	Floor	Off-Site	Composite	Excavated	64	403.6	352	<10.0	352	51.6	<.300	<0.50
CF-048.0-04.0-P	4	6/2/2023	Floor	Off-Site	Composite	In-Situ	32	30.6	30.6	<10.0	30.6	<10.0	<.300	<0.50
CF-049.0-03.0-P	3	4/6/2023	Floor	Off-Site	Composite	Excavated	32	176.1	152	<10.0	152	24.1	<.300	<0.50
CF-049.0-04.0-P	4	6/2/2023	Floor	Off-Site	Composite	Excavated	32	126.6	114	<10.0	114	12.6	<.300	<0.50
CF-049.0-04.5-P	4.5	6/20/2023	Floor	Off-Site	Composite	In-Situ	144	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-050.0-04.0-P	4	4/6/2023	Floor	Off-Site	Composite	In-Situ	80	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-051.0-04.0-P	4	4/6/2023	Floor	Off-Site	Composite	Excavated	48	277.8	244	<10.0	244	33.8	<.300	<0.50
CF-051.0-05.0-P	5	6/2/2023	Floor	Off-Site	Composite	In-Situ	16	23.8	23.8	<10.0	23.8	<10.0	<.300	<0.50
CF-052.0-03.0-P	3	4/6/2023	Floor	Off-Site	Composite	In-Situ	48	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-053.0-02.5-P	2.5	4/6/2023	Floor	Off-Site	Composite	Excavated	48	2114.5	1881.5	21.5	1860	233	<.300	<0.50
CF-053.0-03.5-P	3.5	6/2/2023	Floor	Off-Site	Composite	In-Situ	32	79.7	69.2	<10.0	69.2	10.5	<.300	<0.50
CF-054.0-02.0-P	2	4/6/2023	Floor	Off-Site	Composite	Excavated	48	723	630	<10.0	630	93	<.300	<0.50
CF-054.0-03.0-P	3	6/2/2023	Floor	Off-Site	Composite	Excavated	<16.0	121.7	108	<10.0	108	13.7	<.300	<0.50
CF-054.0-03.5-P	3.5	6/20/2023	Floor	Off-Site	Composite	In-Situ	112	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-055.0-01.0-P	1	4/6/2023	Floor	Off-Site	Composite	Excavated	32	216.9	184	<10.0	184	32.9	<.300	<0.50

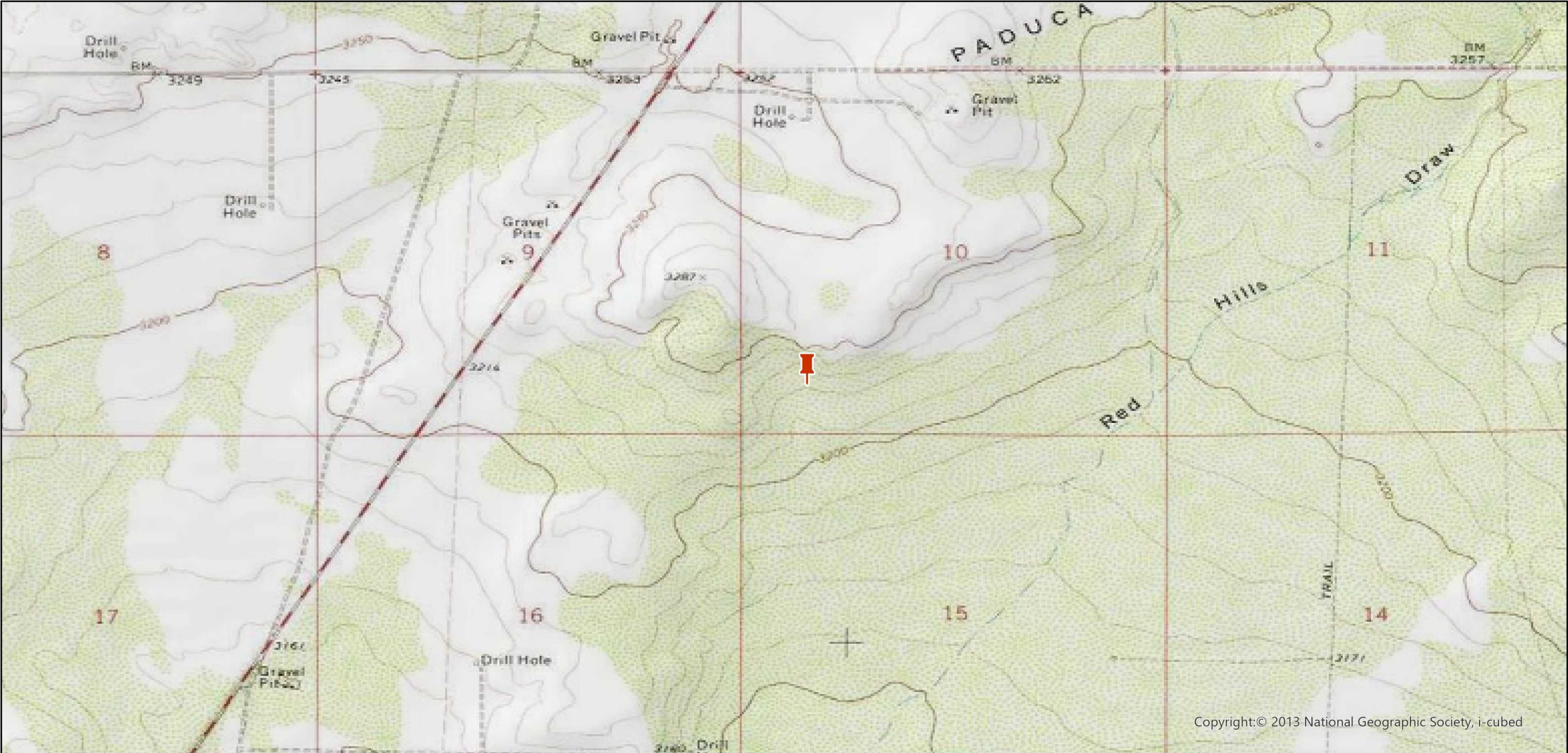


**TABLE 2**  
**CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL**

**MEWBOURNE OIL COMPANY**  
**RED HILLS WEST UNIT #010H BATTERY**  
**LEA COUNTY, NEW MEXICO**  
**NMOCD REFERENCE #: NAPP2304133508**

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)
<b>NMOCD Closure Limits Pad</b>							<b>600</b>	<b>100</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>10</b>
<b>NMOCD Closure Limits Pasture to 4'</b>							<b>600</b>	<b>100</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>NE</b>	<b>50</b>	<b>10</b>
CF-055.0-02.0-P	2	6/2/2023	Floor	Off-Site	Composite	In-Situ	<16.0	21.7	21.7	<10.0	21.7	<10.0	<.300	<0.50
CF-056.0-02.0-P	2	4/6/2023	Floor	Off-Site	Composite	Excavated	48	2998	2528	18	2510	470	<.300	<0.50
CF-056.0-03.0-P	3	6/2/2023	Floor	Off-Site	Composite	In-Situ	<16.0	18.1	18.1	<10.0	18.1	<10.0	<.300	<0.50
<b>Remediation Walls</b>														
CW-001.0-00.5-S	0.5	3/17/2023	Wall	On-Site	Composite	In-Situ	1310	2625	2170	<10.0	2170	455	<.300	<0.50
CW-002.0-00.5-S	0.5	3/17/2023	Wall	On-Site	Composite	In-Situ	608	2125	1770	<10.0	1770	355	<.300	<0.50
CW-003.0-03.0-P	3	5/16/2023	Wall	Off-Site	Composite	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-004.0-03.0-P	3	5/16/2023	Wall	Off-Site	Composite	In-Situ	48	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-005.0-03.0-P	3	5/16/2023	Wall	Off-Site	Composite	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-006.0-03.0-P	3	5/16/2023	Wall	Off-Site	Composite	In-Situ	48	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-007.0-01.0-P	1	5/16/2023	Wall	Off-Site	Composite	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-008.0-01.0-P	1	5/16/2023	Wall	Off-Site	Composite	In-Situ	16	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-009.0-02.0-P	2	5/16/2023	Wall	Off-Site	Composite	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-010.0-02.0-P	2	5/16/2023	Wall	Off-Site	Composite	In-Situ	48	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-011.0-00.3-P	0.3	5/16/2023	Wall	Off-Site	Composite	In-Situ	16	86.7	65.7	<10.0	65.7	21	<.300	<0.50
CW-011.0-03.0-P	3	6/2/2023	Wall	Off-Site	Composite	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-012.0-02.0-P	2	5/16/2023	Wall	Off-Site	Composite	In-Situ	48	14.7	14.7	<10.0	14.7	<10.0	<.300	<0.50
CW-012.0-03.0-P	3	6/2/2023	Wall	Off-Site	Composite	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-013.0-02.0-P	2	5/16/2023	Wall	Off-Site	Composite	In-Situ	64	76.3	62.5	<10.0	62.5	13.8	<.300	<0.50
CW-013.0-03.0-P	3	6/2/2023	Wall	Off-Site	Composite	In-Situ	48	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-014.0-03.0-P	3	5/16/2023	Wall	Off-Site	Composite	In-Situ	48	34.6	34.6	<10.0	34.6	<10.0	<.300	<0.50
CW-014.0-03.0-P	3	6/2/2023	Wall	Off-Site	Composite	In-Situ	48	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-015.0-03.0-P	3	5/16/2023	Wall	Off-Site	Composite	In-Situ	16	24.9	24.9	<10.0	24.9	<10.0	<.300	<0.50
CW-015.0-03.0-P	3	6/2/2023	Wall	Off-Site	Composite	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-016.0-03.0-P	3	5/16/2023	Wall	Off-Site	Composite	In-Situ	64	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-016.0-03.0-P	3	6/2/2023	Wall	Off-Site	Composite	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-017.0-03.0-P	3	5/16/2023	Wall	Off-Site	Composite	In-Situ	32	38	38	<10.0	38	<10.0	<.300	<0.50
CW-017.0-03.0-P	3	6/2/2023	Wall	Off-Site	Composite	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-018.0-00.5-S	0.5	6/20/2023	Wall	On-Site	Composite	In-Situ	128	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-019.0-02.0-P	2	6/20/2023	Wall	Off-Site	Composite	In-Situ	160	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-020.0-02.0-S	2	6/20/2023	Wall	On-Site	Composite	In-Situ	1650	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50



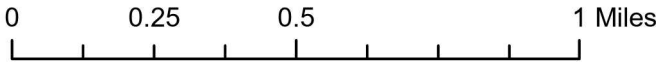


**Legend:**



Site Location

**Site Location Map**  
**Mewbourne Oil Co.**  
**Red Hills West Unit #010H Battery**  
**32.052236, -103.668666**  
**Lea County, New Mexico**  
**NMOCD Reference #: NAPP2304133508**



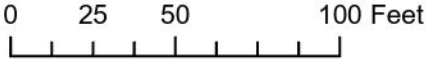




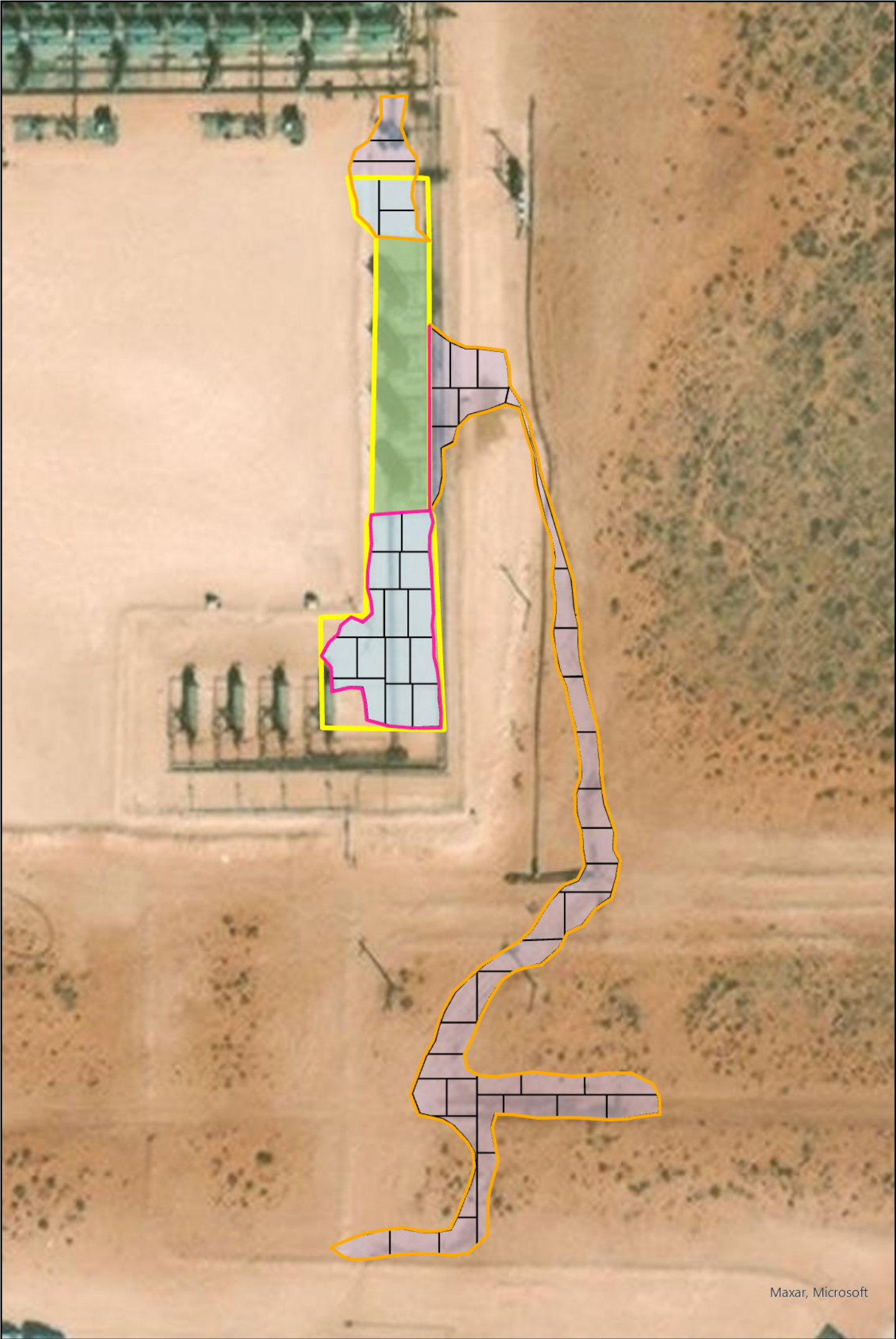
**Legend:**

- Sample Point
- Release Area








**Delineation Map  
Mewbourne Oil Co.  
Red Hills West  
Unit #010H Battery  
Lea County, New Mexico  
32.052236, -103.668666  
NMOCD Reference #  
NAPP2304133508**







**Legend:**

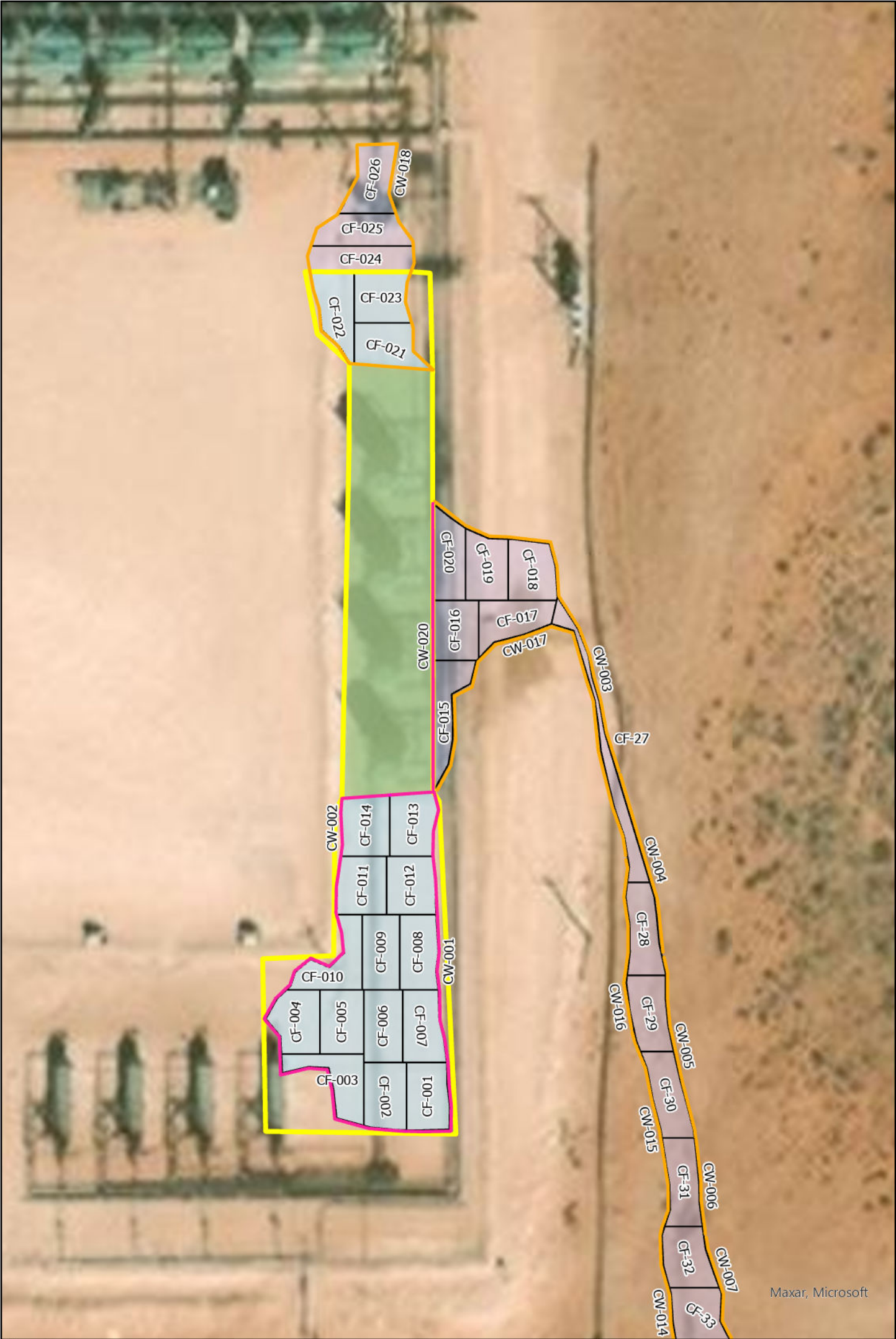
-  Deferral - Remediation Walls
-  Deferral - Pipeline Infrastructure
-  Deferral - Remediation Floors
-  Remediation Walls
-  Remediation Floors
-  Infrastructure
-  Excavation Area

**Remediation Map  
Mewbourne Oil Co.  
Red Hills West  
Unit #010H Battery  
Lea County, New Mexico  
32.052236, -103.668666  
NMOCD Reference #  
NAPP2304133508**

0 25 50 100 Feet







**Legend:**

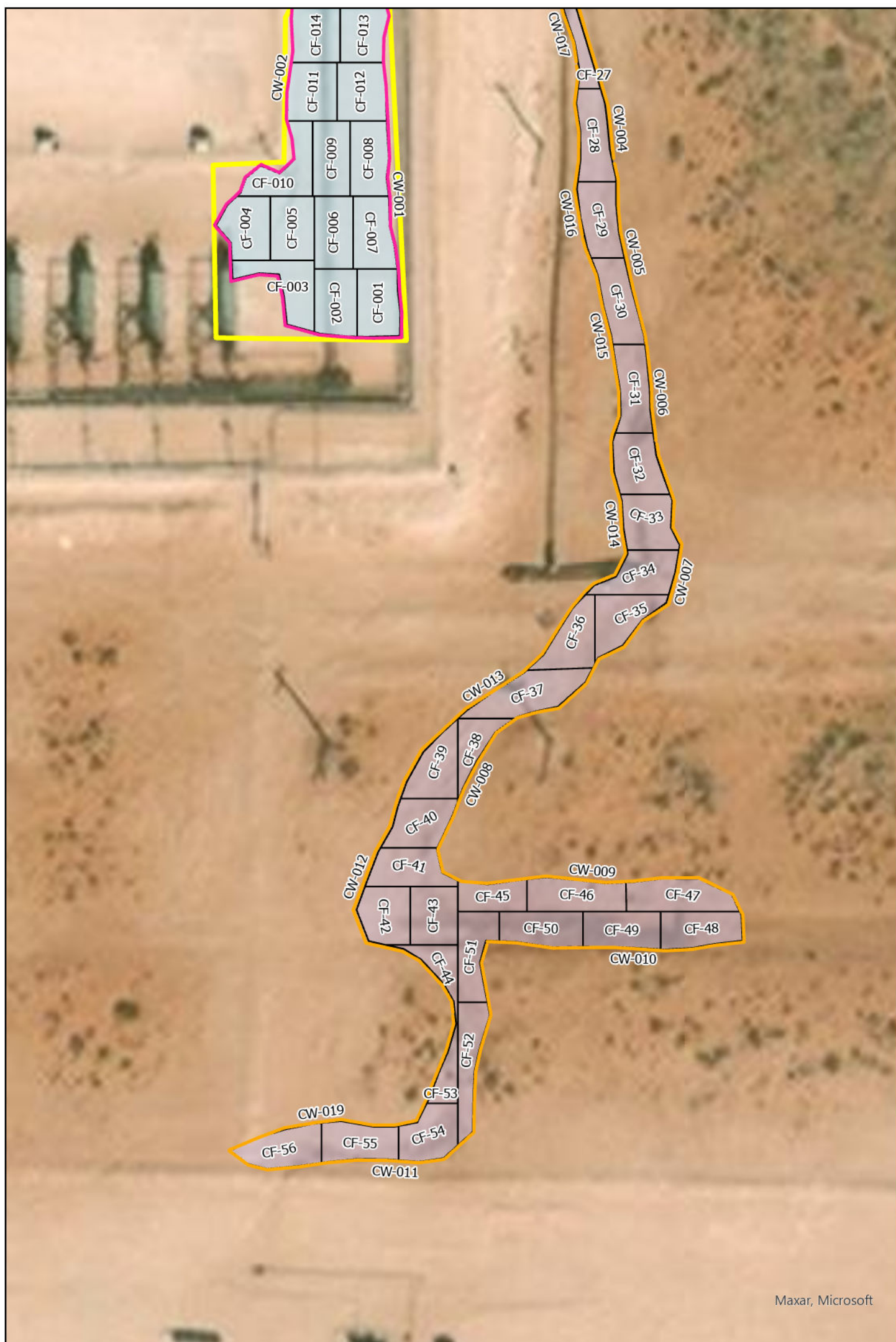
- Deferral - Remediation Walls
- Deferral - Pipeline Infrastructure
- Deferral - Remediation Floors
- Remediation Walls
- Remediation Floors
- Infrastructure
- Excavation Area

**Remediation Map  
Mewbourne Oil Co.  
Red Hills West  
Unit #010H Battery  
Lea County, New Mexico  
32.052236, -103.668666  
NMOCD Reference #  
NAPP2304133508**

0 15 30 60 Feet














Maxar, Microsoft

**Legend:**

-  Deferral - Remediation Walls
-  Deferral - Pipeline Infrastructure
-  Deferral - Remediation Floors
-  Remediation Walls
-  Remediation Floors
-  Infrastructure
-  Excavation Area

**Remediation Map  
Mewbourne Oil Co.  
Red Hills West  
Unit #010H Battery  
Lea County, New Mexico  
32.052236, -103.668666  
NMOCD Reference #  
NAPP2304133508**

0      15      30                  60 Feet





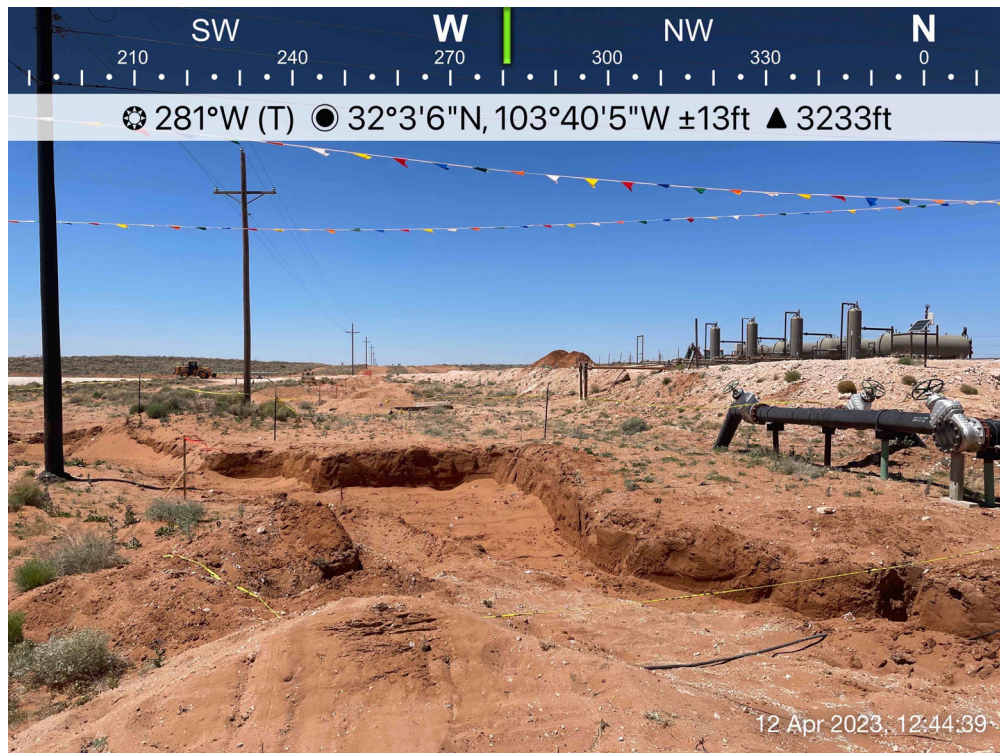


## Excavation

Pasture:



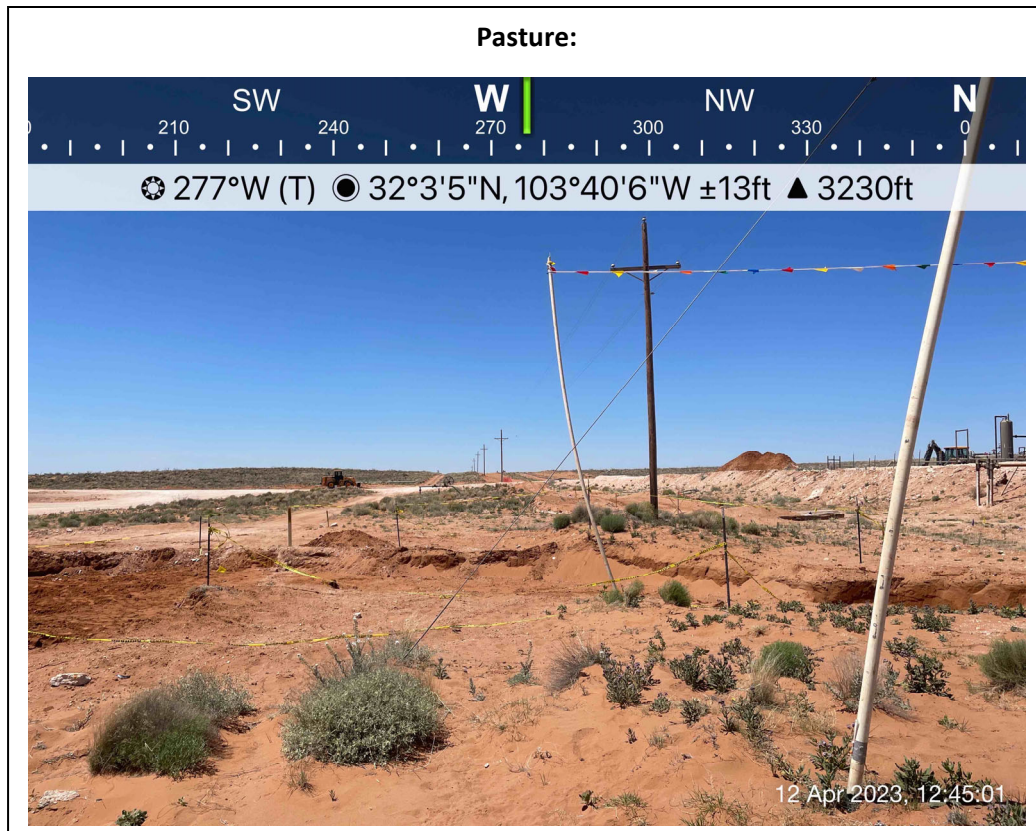
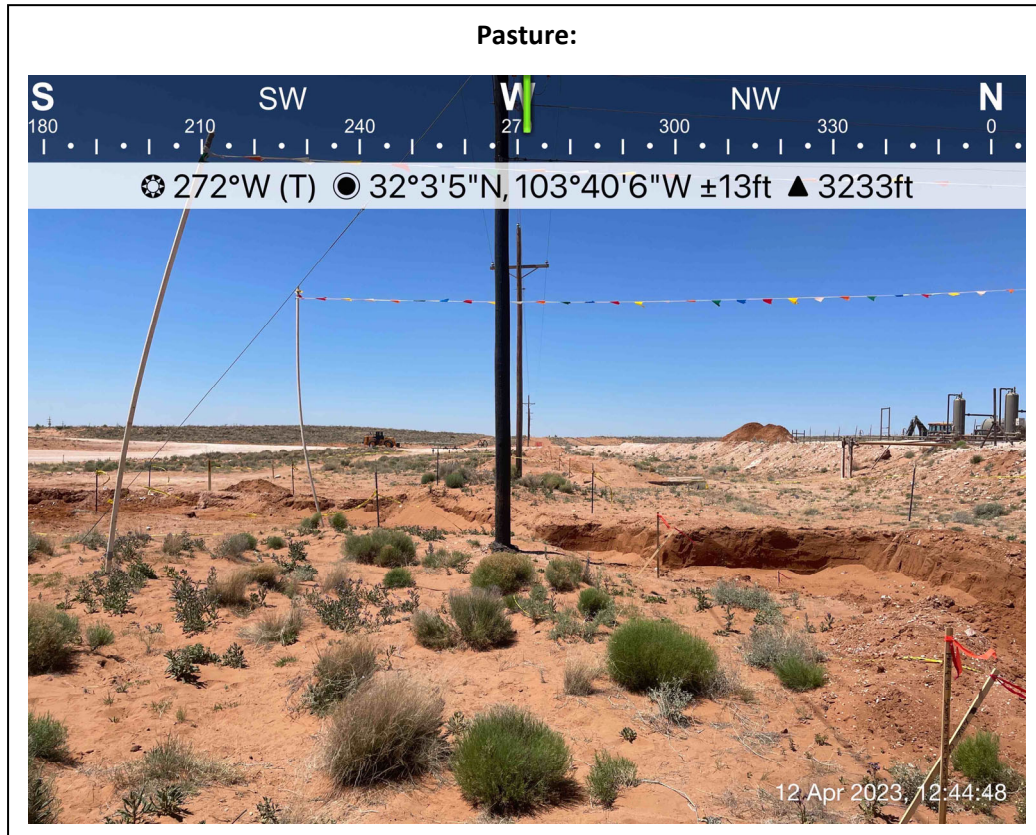
Pasture:







## Excavation







## Excavation

Pasture:



Pad:





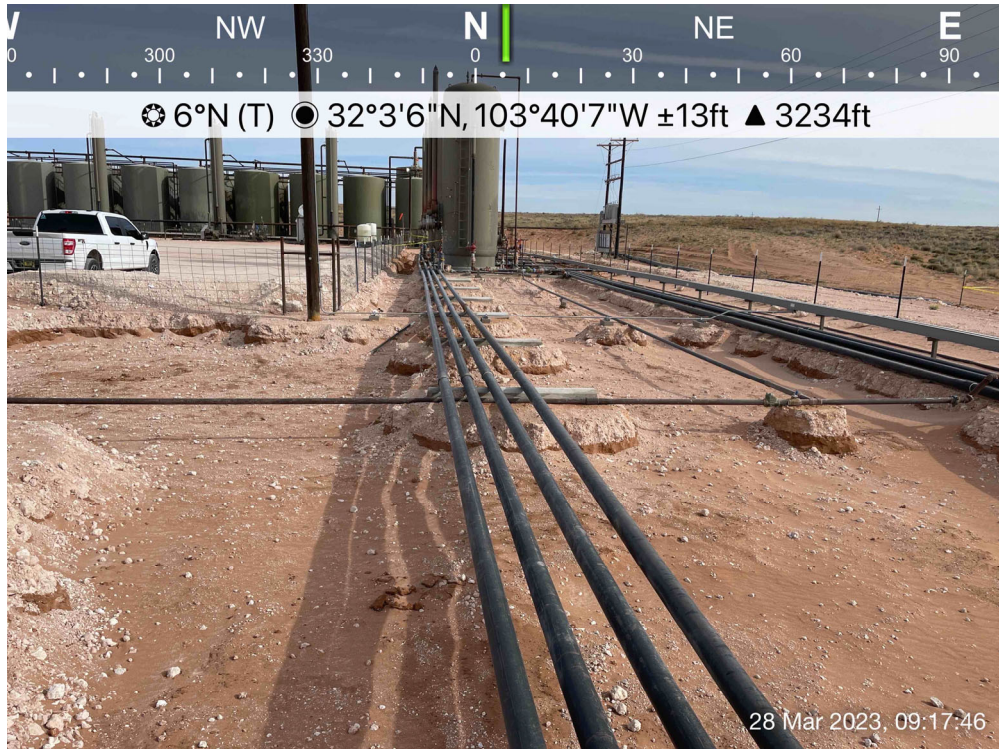


## Excavation

Pad:



Pad:

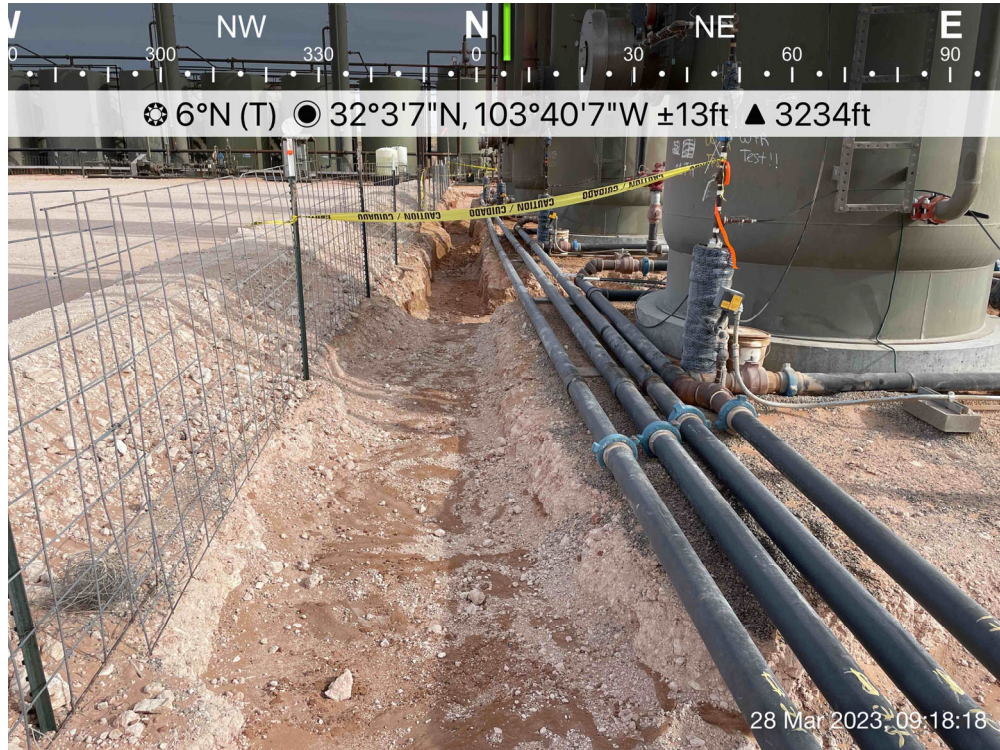






## Excavation

Pad:



Pad:

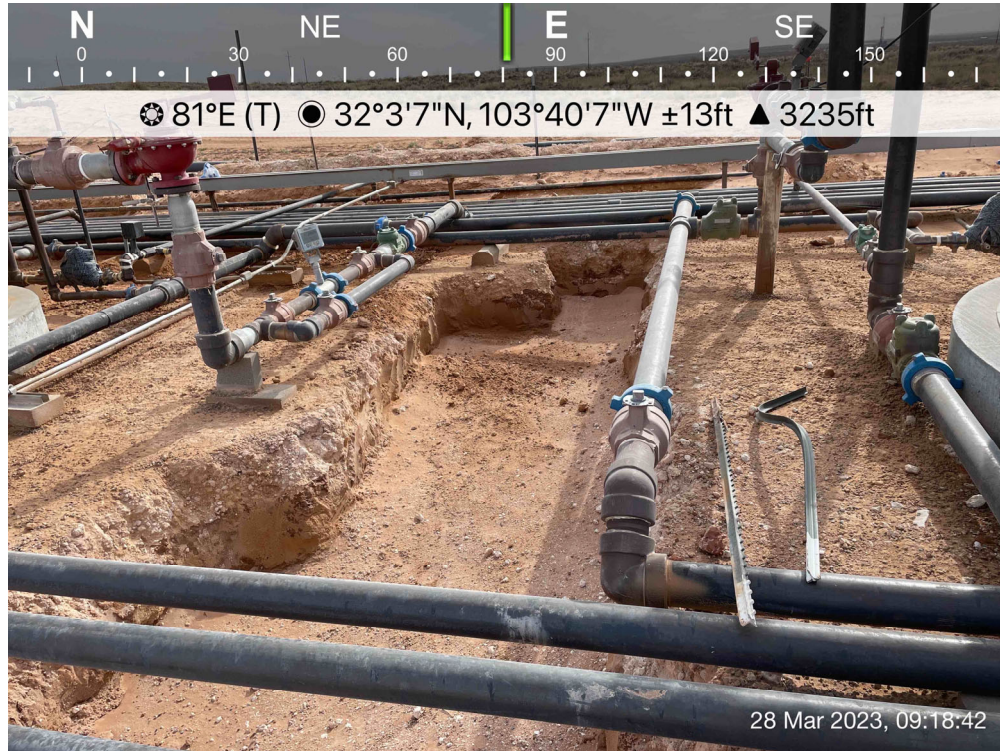




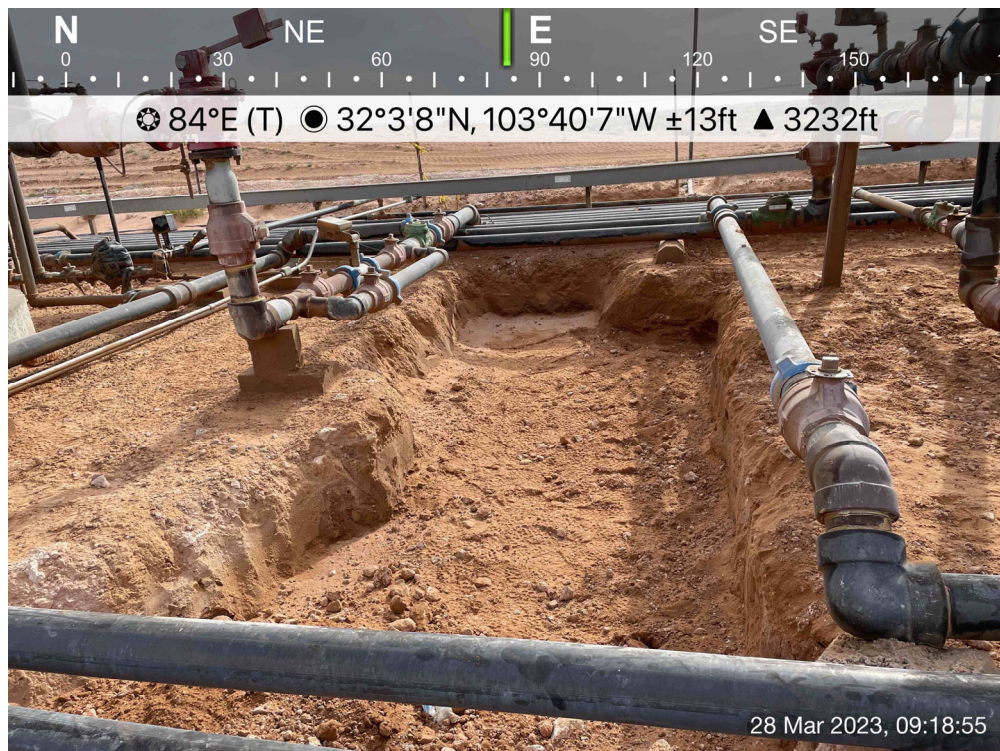


## Excavation

Pad:



Pad:

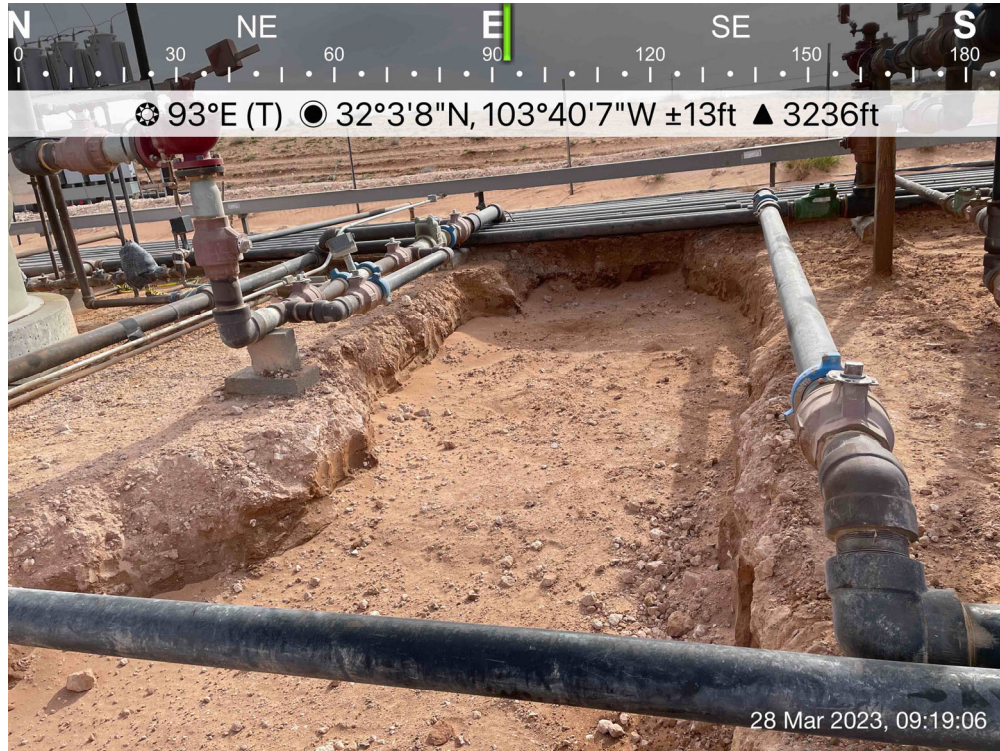




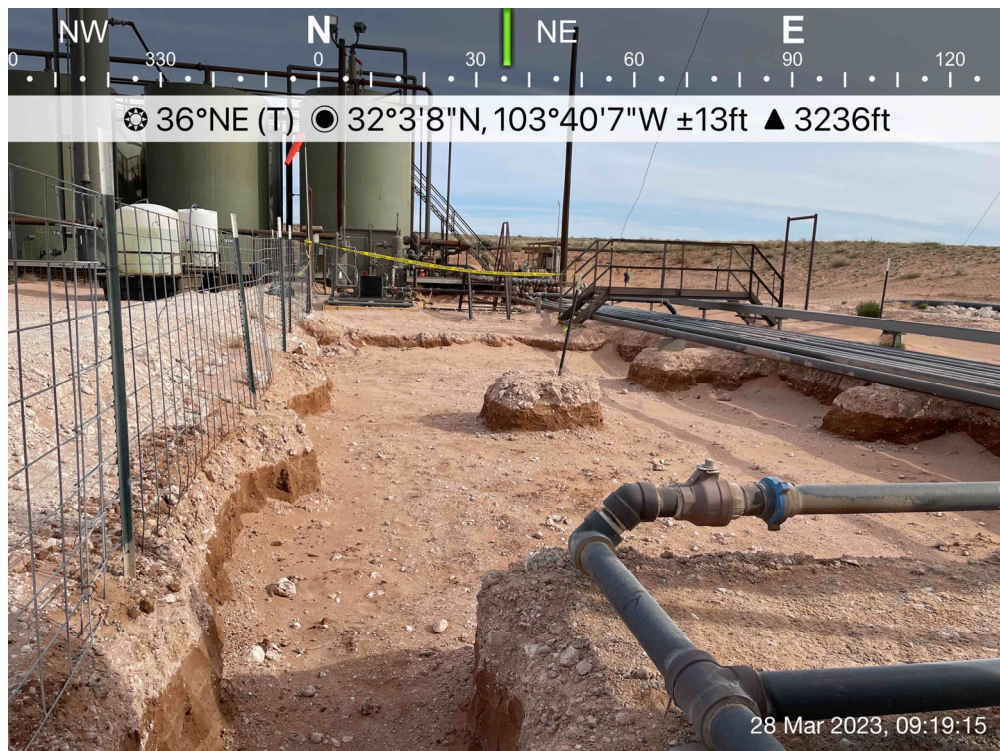


## Excavation

Pad:



Pad:







## Excavation

Pad:



Pad:

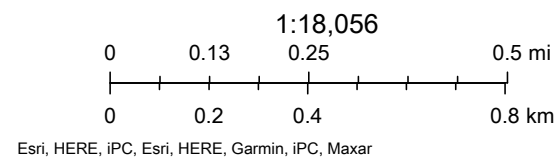




# NAPP2304133508 | RED HILLS WEST UNIT #010H BATTERY



3/20/2023, 9:12:32 AM





# National Flood Hazard Layer FIRMette



103°40'26"W 32°3'23"N



## Legend

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

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



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

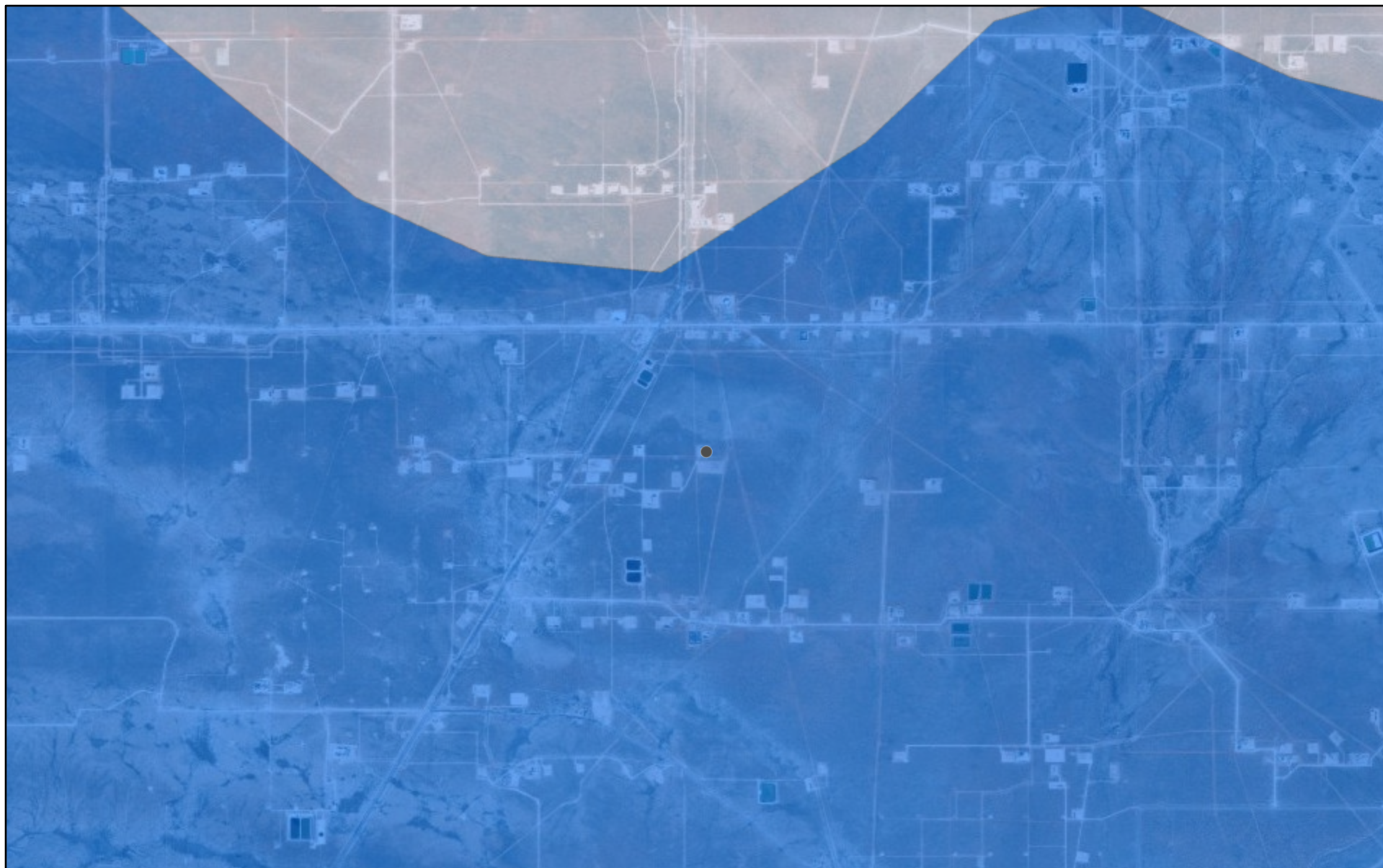
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 3/20/2023 at 11:13 AM 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.



# NAPP2304133508 | RED HILLS WEST UNIT #010H BATTERY



3/20/2023, 9:14:53 AM

Karst Occurrence Potential

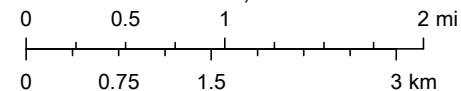


Low



Medium

1:72,224



BLM, OCD, New Mexico Tech, Earthstar Geographics





NAPP2304133508 | RED HILLS WEST UNIT #010H BATTERY



April 17, 2023

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

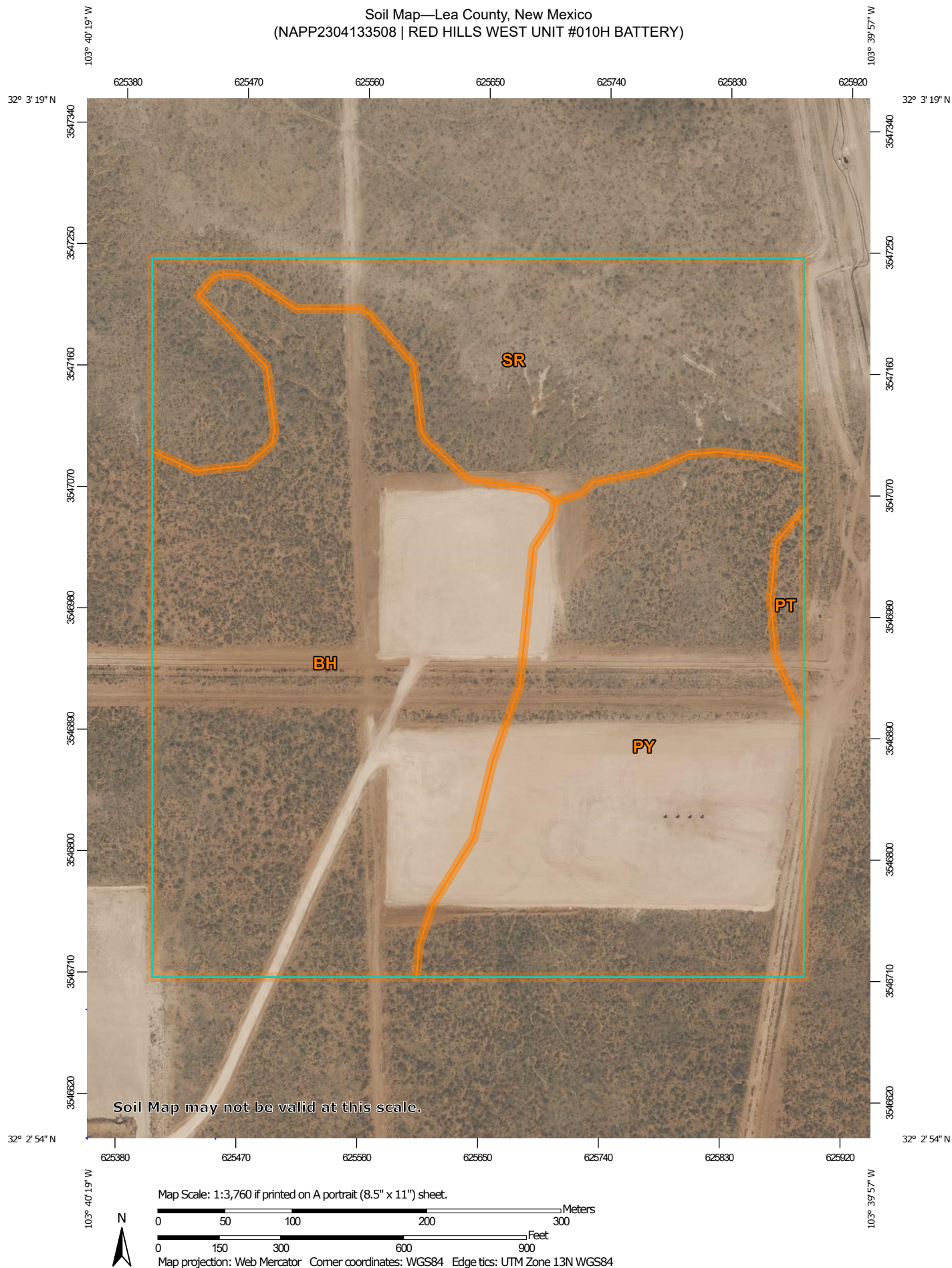
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- 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.



Soil Map—Lea County, New Mexico  
(NAPP2304133508 | RED HILLS WEST UNIT #010H BATTERY)



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

3/20/2023  
Page 1 of 3

Soil Map—Lea County, New Mexico  
(NAPP2304133508 | RED HILLS WEST UNIT #010H BATTERY)

## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

### Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

### Water Features



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

### Background



Aerial Photography

## MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 19, Sep 8, 2022

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

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

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BH	Berino-Cacique association, hummocky	27.5	42.8%
PT	Pyote loamy fine sand	0.7	1.0%
PY	Pyote soils and Dune land	20.8	32.4%
SR	Simona-Upton association	15.3	23.8%
Totals for Area of Interest		64.2	100.0%



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

February 22, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: RED HILLS WEST UNIT 10H

Enclosed are the results of analyses for samples received by the laboratory on 02/16/23 15:55.

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: 02/16/2023  
 Reported: 02/22/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP-001-00.0-V-P (H230740-01)**

BTEX 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2023	ND	2.16	108	2.00	2.62	
Toluene*	<0.050	0.050	02/21/2023	ND	2.07	104	2.00	0.565	
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.24	112	2.00	1.30	
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.78	113	6.00	0.242	
Total BTEX	<0.300	0.300	02/21/2023	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	16.0	16.0	02/20/2023	ND	400	100	400	3.92		

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	02/20/2023	ND	202	101	200	7.05	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	183	91.7	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 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: 02/16/2023  
 Reported: 02/22/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP-001-01.0-V-P (H230740-02)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2023	ND	2.16	108	2.00	2.62		
Toluene*	<0.050	0.050	02/21/2023	ND	2.07	104	2.00	0.565		
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.24	112	2.00	1.30		
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.78	113	6.00	0.242		
Total BTEX	<0.300	0.300	02/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	02/20/2023	ND	400	100	400	3.92		

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	02/20/2023	ND	202	101	200	7.05	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	183	91.7	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.9 % 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: 02/16/2023  
 Reported: 02/22/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP-001-02.0-V-P (H230740-03)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2023	ND	2.16	108	2.00	2.62		
Toluene*	<0.050	0.050	02/21/2023	ND	2.07	104	2.00	0.565		
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.24	112	2.00	1.30		
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.78	113	6.00	0.242		
Total BTEX	<0.300	0.300	02/21/2023	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	16.0	16.0	02/20/2023	ND	400	100	400	3.92		

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	02/20/2023	ND	202	101	200	7.05	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	183	91.7	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 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: 02/16/2023  
 Reported: 02/22/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP-001-03.0-V-P (H230740-04)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2023	ND	2.16	108	2.00	2.62		
Toluene*	<0.050	0.050	02/21/2023	ND	2.07	104	2.00	0.565		
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.24	112	2.00	1.30		
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.78	113	6.00	0.242		
Total BTEX	<0.300	0.300	02/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	02/20/2023	ND	400	100	400	3.92		

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	02/20/2023	ND	202	101	200	7.05	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	183	91.7	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 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: 02/16/2023  
 Reported: 02/22/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP-002-00.0-V-P (H230740-05)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2023	ND	2.16	108	2.00	2.62	
Toluene*	<0.050	0.050	02/21/2023	ND	2.07	104	2.00	0.565	
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.24	112	2.00	1.30	
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.78	113	6.00	0.242	
Total BTEX	<0.300	0.300	02/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	02/20/2023	ND	400	100	400	3.92		

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	02/20/2023	ND	202	101	200	7.05	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	183	91.7	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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: 02/16/2023  
 Reported: 02/22/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP-002-01.0-V-P (H230740-06)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2023	ND	2.16	108	2.00	2.62		
Toluene*	<0.050	0.050	02/21/2023	ND	2.07	104	2.00	0.565		
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.24	112	2.00	1.30		
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.78	113	6.00	0.242		
Total BTEX	<0.300	0.300	02/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	02/20/2023	ND	400	100	400	3.92		

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	02/20/2023	ND	202	101	200	7.05	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	183	91.7	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 02/16/2023  
 Reported: 02/22/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP-002-02.0-V-P (H230740-07)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2023	ND	2.16	108	2.00	2.62		
Toluene*	<0.050	0.050	02/21/2023	ND	2.07	104	2.00	0.565		
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.24	112	2.00	1.30		
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.78	113	6.00	0.242		
Total BTEX	<0.300	0.300	02/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	02/20/2023	ND	400	100	400	3.92		

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	02/20/2023	ND	202	101	200	7.05	
<b>DRO &gt;C10-C28*</b>	<b>15.6</b>	10.0	02/20/2023	ND	183	91.7	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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: 02/16/2023  
 Reported: 02/22/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP-002-03.0-V-P (H230740-08)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.285	0.250	02/21/2023	ND	2.16	108	2.00	2.62	GC-NC1
Toluene*	7.16	0.500	02/21/2023	ND	2.07	104	2.00	0.565	GC-NC1
Ethylbenzene*	3.57	0.500	02/21/2023	ND	2.24	112	2.00	1.30	
Total Xylenes*	66.9	1.50	02/21/2023	ND	6.78	113	6.00	0.242	
Total BTEX	77.9	2.75	02/21/2023	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	02/20/2023	ND	400	100	400	3.92		

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*	1500	10.0	02/20/2023	ND	202	101	200	7.05	
DRO >C10-C28*	4870	10.0	02/20/2023	ND	183	91.7	200	3.39	
EXT DRO >C28-C36	521	10.0	02/20/2023	ND					

Surrogate: 1-Chlorooctane 252 % 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: 02/16/2023  
 Reported: 02/22/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP-003-00.0-V-P (H230740-09)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2023	ND	2.16	108	2.00	2.62		
Toluene*	<0.050	0.050	02/21/2023	ND	2.07	104	2.00	0.565		
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.24	112	2.00	1.30		
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.78	113	6.00	0.242		
Total BTEX	<0.300	0.300	02/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	02/20/2023	ND	400	100	400	3.92		

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	02/20/2023	ND	202	101	200	7.05	
DRO >C10-C28*	403	10.0	02/20/2023	ND	183	91.7	200	3.39	
EXT DRO >C28-C36	352	10.0	02/20/2023	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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: 02/16/2023  
 Reported: 02/22/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP-003-01.0-V-P (H230740-10)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/21/2023	ND	2.16	108	2.00	2.62	
Toluene*	<0.050	0.050	02/21/2023	ND	2.07	104	2.00	0.565	
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.24	112	2.00	1.30	
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.78	113	6.00	0.242	
Total BTEX	<0.300	0.300	02/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	02/20/2023	ND	400	100	400	3.92	

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	02/20/2023	ND	202	101	200	7.05	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	183	91.7	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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: 02/16/2023  
 Reported: 02/22/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP-003-02.0-V-P (H230740-11)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2023	ND	2.16	108	2.00	2.62		
Toluene*	<0.050	0.050	02/21/2023	ND	2.07	104	2.00	0.565		
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.24	112	2.00	1.30		
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.78	113	6.00	0.242		
Total BTEX	<0.300	0.300	02/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	02/20/2023	ND	400	100	400	3.92		

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	02/20/2023	ND	202	101	200	7.05	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	183	91.7	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					

Surrogate: 1-Chlorooctane 114 % 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





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: 02/16/2023  
 Reported: 02/22/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: SP-003-03.0-V-P (H230740-12)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/21/2023	ND	2.16	108	2.00	2.62		
Toluene*	<0.050	0.050	02/21/2023	ND	2.07	104	2.00	0.565		
Ethylbenzene*	<0.050	0.050	02/21/2023	ND	2.24	112	2.00	1.30		
Total Xylenes*	<0.150	0.150	02/21/2023	ND	6.78	113	6.00	0.242		
Total BTEX	<0.300	0.300	02/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	02/20/2023	ND	400	100	400	3.92		

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	02/20/2023	ND	202	101	200	7.05	
DRO >C10-C28*	<10.0	10.0	02/20/2023	ND	183	91.7	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	02/20/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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\*=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.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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

<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				BILL TO	
Project Manager: Dan Dunkelberg				P.O. #:	
Address: 8426 N Dal Paso				Company: Newbourne Oil Co.	
City: Hobbs				Attn: Connor Walker	
State: NM Zip: 88241				Address:	
Phone #: Fax #:				City: State: Zip:	
Project Name: Red Hills West Unit 10H				Project Owner: (see below)	
Project Location: Lea Co., NM				dan@trinityoilfieldservices.com	
Sample Name: MW				Phone #: Fax #:	
FOR LAB USE ONLY				MATRIX PRESERV. SAMPLING	
Lab I.D. H330740		Sample I.D.		DATE TIME	
SP-001-00.0-V-P		G 1		2/16/2023	
SP-001-01.0-V-P		G 1		2/16/2023	
SP-001-02.0-V-P		G 1		2/16/2023	
SP-001-03.0-V-P		G 1		2/16/2023	
SP-002-00.0-V-P		G 1		2/16/2023	
SP-002-01.0-V-P		G 1		2/16/2023	
SP-002-02.0-V-P		G 1		2/16/2023	
SP-002-03.0-V-P		G 1		2/16/2023	
SP-003-00.0-V-P		G 1		2/16/2023	
SP-003-01.0-V-P		G 1		2/16/2023	
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Relinquished By: <i>Wendy Williams</i>		Received By: <i>Shedrick</i>		Add'l Phone #:	
Relinquished By: <i>Wendy Williams</i>		Received By: <i>Shedrick</i>		REMARKS:	
Date: <i>2/16/23</i>		Time: <i>1555</i>		Turnaround Time:	
Observed Temp. °C <i>3.8</i>		Sample Condition		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Corrected Temp. °C <i>3.2</i>		Cool Intake: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Bacteria (only) Sample Condition	
Sampler - UPS - Bus - Other:		CHECKED BY: <i>SR</i>		Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
		Thermometer ID #113		Observed Temp. °C	
		Correction Factor -0.5 °C		Corrected Temp. °C	

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinallabsnm.com



		101 East Maryland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		<b>CHAIN-OF-CUSTODY AND ANALYSIS REQUEST</b>	
Company Name: Trinity Oilfield Services				BILL TO	
Project Manager: Dan Dunkelberg				P.O. #:	
Address: 8426 N Dal Paso				Company: Menbourne Oil Co.	
City: Hobbs				Attn: Connor Walker	
State: NM Zip: 88241				Address:	
Phone #: Hobbs				City:	
Project #:				State:	
Project Name: Red Hills West Unit 10H				Zip:	
Project Location: Lea Co., NM				Phone #:	
Sample Name: MVV				Fax #:	
FROM LAB USE ONLY				MATRIX	
Lab I.D. 11830740				PRESERV.	
Sample I.D.				SAMPLING	
11 SP-003-02.0-V-P				DATE	
12 SP-003-03.0-V-P				TIME	
13 SP-004-00.0-V-P				Chloride	
14 SP-004-01.0-V-P				TPH	
15 SP-004-02.0-V-P				BTEX	
16 SP-004-03.0-V-P					
17 SP-005-00.0-V-P					
18 SP-005-01.0-V-P					
19 SP-005-02.0-V-P					
20 SP-005-03.0-V-P					
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Relinquished By: Marcus Williams				Received By: Stockmayer	
Date: 2/16/23				Time: 1555	
Relinquished By:				Received By:	
Date:				Time:	
Delivered By: (Circle One)				Observed Temp. °C: 3.8	
Sampler - UPS - Bus - Other:				Corrected Temp. °C: 3.2	
Sample Condition				CHECKED BY: (Initials)	
Cool Impact				Thermometer ID #113	
Yes				Correction Factor: 4.5 °C	
No				Standard	
No				X	
Bacteria (only) Sample Condition				Cool	
Intact				Yes	
No				No	
Observed Temp. °C				Corrected Temp. °C	

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

February 23, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: RED HILLS WEST UNIT 10H

Enclosed are the results of analyses for samples received by the laboratory on 02/21/23 16:11.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 02/21/2023  
 Reported: 02/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/21/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-006-00.0-V-S (H230808-01)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	02/22/2023	ND	2.08	104	2.00	0.0650	
<b>Toluene*</b>	<b>4.00</b>	0.500	02/22/2023	ND	2.06	103	2.00	0.584	
<b>Ethylbenzene*</b>	<b>2.53</b>	0.500	02/22/2023	ND	1.99	99.5	2.00	1.10	
<b>Total Xylenes*</b>	<b>37.6</b>	1.50	02/22/2023	ND	6.10	102	6.00	1.82	
<b>Total BTEx</b>	<b>44.1</b>	3.00	02/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 145 % 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
<b>Chloride</b>	<b>7440</b>	16.0	02/22/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>1640</b>	100	02/23/2023	ND	192	95.8	200	2.09	QM-07
<b>DRO &gt;C10-C28*</b>	<b>16500</b>	100	02/23/2023	ND	198	99.0	200	0.668	QM-07
<b>EXT DRO &gt;C28-C36</b>	<b>2510</b>	100	02/23/2023	ND					

Surrogate: 1-Chlorooctane 263 % 48.2-134

Surrogate: 1-Chlorooctadecane 317 % 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: 02/21/2023  
 Reported: 02/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/21/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-006-02.0-V-S (H230808-02)**

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	02/22/2023	ND	2.08	104	2.00	0.0650		
Toluene*	<0.050	0.050	02/22/2023	ND	2.06	103	2.00	0.584		
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	1.99	99.5	2.00	1.10		
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.10	102	6.00	1.82		
Total BTEX	<0.300	0.300	02/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	02/22/2023	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	02/22/2023	ND	192	95.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	198	99.0	200	0.668	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					

Surrogate: 1-Chlorooctane 86.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 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: 02/21/2023  
 Reported: 02/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/21/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-007-00.0-V-S (H230808-03)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	02/22/2023	ND	2.08	104	2.00	0.0650	
Toluene*	<b>6.07</b>	0.500	02/22/2023	ND	2.06	103	2.00	0.584	
Ethylbenzene*	<b>3.11</b>	0.500	02/22/2023	ND	1.99	99.5	2.00	1.10	
Total Xylenes*	<b>59.3</b>	1.50	02/22/2023	ND	6.10	102	6.00	1.82	
Total BTEX	<b>68.5</b>	3.00	02/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 164 % 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	<b>3000</b>	16.0	02/22/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<b>1750</b>	100	02/23/2023	ND	192	95.8	200	2.09	
DRO >C10-C28*	<b>12000</b>	100	02/23/2023	ND	198	99.0	200	0.668	
EXT DRO >C28-C36	<b>1020</b>	100	02/23/2023	ND					

Surrogate: 1-Chlorooctane 250 % 48.2-134

Surrogate: 1-Chlorooctadecane 261 % 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: 02/21/2023  
 Reported: 02/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/21/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-007-02.0-V-S (H230808-04)**

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	02/22/2023	ND	2.08	104	2.00	0.0650		
Toluene*	<0.050	0.050	02/22/2023	ND	2.06	103	2.00	0.584		
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	1.99	99.5	2.00	1.10		
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.10	102	6.00	1.82		
Total BTEX	<0.300	0.300	02/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	02/22/2023	ND	400	100	400	3.92		

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	02/22/2023	ND	192	95.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	198	99.0	200	0.668	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 02/21/2023  
 Reported: 02/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/21/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-008-00.0-V-S (H230808-05)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	02/22/2023	ND	2.08	104	2.00	0.0650	
Toluene*	<b>6.07</b>	0.500	02/22/2023	ND	2.06	103	2.00	0.584	
Ethylbenzene*	<b>3.76</b>	0.500	02/22/2023	ND	1.99	99.5	2.00	1.10	
Total Xylenes*	<b>60.5</b>	1.50	02/22/2023	ND	6.10	102	6.00	1.82	
Total BTEX	<b>70.3</b>	3.00	02/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 157 % 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	<b>3800</b>	16.0	02/22/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<b>1720</b>	100	02/23/2023	ND	192	95.8	200	2.09	
DRO >C10-C28*	<b>11700</b>	100	02/23/2023	ND	198	99.0	200	0.668	
EXT DRO >C28-C36	<b>992</b>	100	02/23/2023	ND					

Surrogate: 1-Chlorooctane 247 % 48.2-134

Surrogate: 1-Chlorooctadecane 260 % 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: 02/21/2023  
 Reported: 02/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/21/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-008-02.0-V-S (H230808-06)**

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	02/22/2023	ND	2.08	104	2.00	0.0650		
Toluene*	<0.050	0.050	02/22/2023	ND	2.06	103	2.00	0.584		
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	1.99	99.5	2.00	1.10		
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.10	102	6.00	1.82		
Total BTEX	<0.300	0.300	02/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	02/22/2023	ND	400	100	400	3.92		

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	02/22/2023	ND	192	95.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	198	99.0	200	0.668	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 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: 02/21/2023  
 Reported: 02/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/21/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-009-00.0-V-S (H230808-07)**

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>1.19</b>	0.500	02/22/2023	ND	2.08	104	2.00	0.0650	
<b>Toluene*</b>	<b>31.4</b>	0.500	02/22/2023	ND	2.06	103	2.00	0.584	
<b>Ethylbenzene*</b>	<b>12.3</b>	0.500	02/22/2023	ND	1.99	99.5	2.00	1.10	
<b>Total Xylenes*</b>	<b>172</b>	1.50	02/22/2023	ND	6.10	102	6.00	1.82	
<b>Total BTEx</b>	<b>217</b>	3.00	02/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 188 % 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
<b>Chloride</b>	<b>720</b>	16.0	02/22/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>4810</b>	100	02/23/2023	ND	192	95.8	200	2.09	
<b>DRO &gt;C10-C28*</b>	<b>32400</b>	100	02/23/2023	ND	198	99.0	200	0.668	
<b>EXT DRO &gt;C28-C36</b>	<b>3480</b>	100	02/23/2023	ND					

Surrogate: 1-Chlorooctane 419 % 48.2-134

Surrogate: 1-Chlorooctadecane 1050 % 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: 02/21/2023  
 Reported: 02/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/21/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-009-02.0-V-S (H230808-08)**

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	02/22/2023	ND	2.08	104	2.00	0.0650		
Toluene*	<0.050	0.050	02/22/2023	ND	2.06	103	2.00	0.584		
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	1.99	99.5	2.00	1.10		
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.10	102	6.00	1.82		
Total BTEX	<0.300	0.300	02/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	02/22/2023	ND	400	100	400	3.92	

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	02/22/2023	ND	192	95.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	198	99.0	200	0.668	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					

Surrogate: 1-Chlorooctane 89.1 % 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: 02/21/2023  
 Reported: 02/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/21/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-010-00.0-V-S (H230808-09)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	02/22/2023	ND	2.08	104	2.00	0.0650	
Toluene*	9.35	0.500	02/22/2023	ND	2.06	103	2.00	0.584	
Ethylbenzene*	5.14	0.500	02/22/2023	ND	1.99	99.5	2.00	1.10	
Total Xylenes*	82.7	1.50	02/22/2023	ND	6.10	102	6.00	1.82	
Total BTEX	97.2	3.00	02/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 165 % 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	9460	16.0	02/22/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2670	100	02/23/2023	ND	192	95.8	200	2.09	
DRO >C10-C28*	14100	100	02/23/2023	ND	198	99.0	200	0.668	
EXT DRO >C28-C36	968	100	02/23/2023	ND					

Surrogate: 1-Chlorooctane 307 % 48.2-134

Surrogate: 1-Chlorooctadecane 294 % 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: 02/21/2023  
 Reported: 02/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/21/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-010-02.0-V-S (H230808-10)**

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	02/22/2023	ND	2.08	104	2.00	0.0650		
Toluene*	<0.050	0.050	02/22/2023	ND	2.06	103	2.00	0.584		
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	1.99	99.5	2.00	1.10		
Total Xylenes*	<0.150	0.150	02/22/2023	ND	6.10	102	6.00	1.82		
Total BTEX	<0.300	0.300	02/22/2023	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	624	16.0	02/22/2023	ND	400	100	400	3.92		

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	02/22/2023	ND	192	95.8	200	2.09	
DRO >C10-C28*	<10.0	10.0	02/22/2023	ND	198	99.0	200	0.668	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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: 02/21/2023  
 Reported: 02/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/21/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-011-00.0-V-S (H230808-11)**

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	02/22/2023	ND	2.08	104	2.00	0.0650	
Toluene*	<0.050	0.050	02/22/2023	ND	2.06	103	2.00	0.584	
Ethylbenzene*	<0.050	0.050	02/22/2023	ND	1.99	99.5	2.00	1.10	
Total Xylenes*	0.498	0.150	02/22/2023	ND	6.10	102	6.00	1.82	
Total BTEX	0.498	0.300	02/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	15200	16.0	02/22/2023	ND	400	100	400	3.92		

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*	35.9	10.0	02/22/2023	ND	192	95.8	200	2.09	
DRO >C10-C28*	1670	10.0	02/22/2023	ND	198	99.0	200	0.668	
EXT DRO >C28-C36	213	10.0	02/22/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 161 % 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: 02/21/2023  
 Reported: 02/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/21/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-011-02.0-V-S (H230808-12)**

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.251</b>	0.050	02/22/2023	ND	2.08	104	2.00	0.0650	
<b>Toluene*</b>	<b>5.57</b>	0.050	02/22/2023	ND	2.06	103	2.00	0.584	
<b>Ethylbenzene*</b>	<b>1.68</b>	0.050	02/22/2023	ND	1.99	99.5	2.00	1.10	
<b>Total Xylenes*</b>	<b>22.2</b>	0.150	02/22/2023	ND	6.10	102	6.00	1.82	
<b>Total BTEX</b>	<b>29.7</b>	0.300	02/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 331 % 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
<b>Chloride</b>	<b>16.0</b>	16.0	02/22/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>101</b>	10.0	02/22/2023	ND	192	95.8	200	2.09	
<b>DRO &gt;C10-C28*</b>	<b>209</b>	10.0	02/22/2023	ND	198	99.0	200	0.668	
EXT DRO >C28-C36	<10.0	10.0	02/22/2023	ND					

Surrogate: 1-Chlorooctane 99.3 % 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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### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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 15 of 16

Page 16 of 16



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March 02, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: RED HILLS WEST UNIT 10H

Enclosed are the results of analyses for samples received by the laboratory on 02/27/23 15:39.

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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/23/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-001-01.0-HE-P (H230854-01)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.08	104	2.00	7.28	
Toluene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	8.02	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.14	107	2.00	7.73	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.50	108	6.00	6.84	
Total BTEx	<0.300	0.300	02/28/2023	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	32.0	16.0	02/28/2023	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	02/28/2023	ND	217	108	200	5.77	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					

Surrogate: 1-Chlorooctane 117 % 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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/23/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-001-01.0-HS-P (H230854-02)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2023	ND	2.08	104	2.00	7.28		
Toluene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	8.02		
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.14	107	2.00	7.73		
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.50	108	6.00	6.84		
Total BTEX	<0.300	0.300	02/28/2023	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	32.0	16.0	02/28/2023	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	02/28/2023	ND	217	108	200	5.77	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					

Surrogate: 1-Chlorooctane 109 % 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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/23/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-002-01.0-HS-P (H230854-03)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.08	104	2.00	7.28	
Toluene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	8.02	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.14	107	2.00	7.73	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.50	108	6.00	6.84	
Total BTEX	<0.300	0.300	02/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 137 % 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	02/28/2023	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*	29.7	10.0	02/28/2023	ND	217	108	200	5.77	
DRO >C10-C28*	3580	10.0	02/28/2023	ND	207	104	200	1.52	
EXT DRO >C28-C36	334	10.0	02/28/2023	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/23/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-002-01.0-HW-P (H230854-04)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2023	ND	2.08	104	2.00	7.28		
Toluene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	8.02		
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.14	107	2.00	7.73		
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.50	108	6.00	6.84		
Total BTEX	<0.300	0.300	02/28/2023	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	32.0	16.0	02/28/2023	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	03/02/2023	ND	217	108	200	5.77	
DRO >C10-C28*	12.7	10.0	03/02/2023	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 104 % 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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/23/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-002-01.0-HN-P (H230854-05)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.08	104	2.00	7.28	
Toluene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	8.02	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.14	107	2.00	7.73	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.50	108	6.00	6.84	
Total BTEX	<0.300	0.300	02/28/2023	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	32.0	16.0	02/28/2023	ND	432	108	400	3.77		

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	03/02/2023	ND	217	108	200	5.77	
DRO >C10-C28*	<10.0	10.0	03/02/2023	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	03/02/2023	ND					

Surrogate: 1-Chlorooctane 139 % 48.2-134

Surrogate: 1-Chlorooctadecane 151 % 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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/23/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-003-01.0-HW-P (H230854-06)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2023	ND	2.08	104	2.00	7.28		
Toluene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	8.02		
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.14	107	2.00	7.73		
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.50	108	6.00	6.84		
Total BTEX	<0.300	0.300	02/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	03/01/2023	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	02/28/2023	ND	217	108	200	5.77	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					

Surrogate: 1-Chlorooctane 107 % 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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/23/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-003-01.0-HN-P (H230854-07)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/28/2023	ND	2.08	104	2.00	7.28	
Toluene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	8.02	
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.14	107	2.00	7.73	
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.50	108	6.00	6.84	
Total BTEx	<0.300	0.300	02/28/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	03/01/2023	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	02/28/2023	ND	217	108	200	5.77	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	207	104	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/23/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-003-01.0-HE-P (H230854-12)**

BTX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/28/2023	ND	2.08	104	2.00	7.28		
Toluene*	<0.050	0.050	02/28/2023	ND	2.00	100	2.00	8.02		
Ethylbenzene*	<0.050	0.050	02/28/2023	ND	2.14	107	2.00	7.73		
Total Xylenes*	<0.150	0.150	02/28/2023	ND	6.50	108	6.00	6.84		
Total BTX	<0.300	0.300	02/28/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	03/01/2023	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	02/28/2023	ND	215	107	200	2.08	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	214	107	200	3.22	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.1 % 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.
- 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 "C. D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Page 16 of 17



Page 17 of 17





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

March 02, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: RED HILLS WEST UNIT 10H

Enclosed are the results of analyses for samples received by the laboratory on 02/27/23 15:39.

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:	02/27/2023	Sampling Date:	02/27/2023
Reported:	03/02/2023	Sampling Type:	Soil
Project Name:	RED HILLS WEST UNIT 10H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

**Sample ID: SP-006-01.0-HE-S (H230902-01)**

BTEX 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.04	102	2.00	9.31	
Toluene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	8.00	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.24	112	2.00	8.14	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.96	116	6.00	8.65	
Total BTEX	<0.300	0.300	03/01/2023	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	03/01/2023	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	02/28/2023	ND	261	131	200	18.4	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	245	122	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-006-01.0-HW-S (H230902-02)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.04	102	2.00	9.31	
Toluene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	8.00	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.24	112	2.00	8.14	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.96	116	6.00	8.65	
Total BTEX	<0.300	0.300	03/01/2023	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	03/01/2023	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	02/28/2023	ND	261	131	200	18.4	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	245	122	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-007-01.0-HE-S (H230902-03)**

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/01/2023	ND	2.04	102	2.00	9.31		
Toluene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	8.00		
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.24	112	2.00	8.14		
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.96	116	6.00	8.65		
Total BTEX	<0.300	0.300	03/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	03/01/2023	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	02/28/2023	ND	261	131	200	18.4	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	245	122	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					

Surrogate: 1-Chlorooctane 110 % 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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-007-01.0-HW-S (H230902-04)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/01/2023	ND	2.04	102	2.00	9.31		
Toluene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	8.00		
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.24	112	2.00	8.14		
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.96	116	6.00	8.65		
Total BTEX	<0.300	0.300	03/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	03/01/2023	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	02/28/2023	ND	261	131	200	18.4	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	245	122	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-008-01.0-HS-S (H230902-05)**

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/01/2023	ND	2.04	102	2.00	9.31		
Toluene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	8.00		
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.24	112	2.00	8.14		
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.96	116	6.00	8.65		
Total BTEX	<0.300	0.300	03/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	03/01/2023	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	02/28/2023	ND	261	131	200	18.4	
DRO >C10-C28*	26.6	10.0	02/28/2023	ND	245	122	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-008-01.0-HE-S (H230902-06)**

BTEX 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.04	102	2.00	9.31	
Toluene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	8.00	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.24	112	2.00	8.14	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.96	116	6.00	8.65	
Total BTEX	<0.300	0.300	03/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	03/01/2023	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	02/28/2023	ND	261	131	200	18.4	
DRO >C10-C28*	14.3	10.0	02/28/2023	ND	245	122	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					

Surrogate: 1-Chlorooctane 99.8 % 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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-008-01.0-HN-S (H230902-07)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.04	102	2.00	9.31	
Toluene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	8.00	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.24	112	2.00	8.14	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.96	116	6.00	8.65	
Total BTEX	<0.300	0.300	03/01/2023	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	16.0	16.0	03/01/2023	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	02/28/2023	ND	261	131	200	18.4	
DRO >C10-C28*	37.4	10.0	02/28/2023	ND	245	122	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-009-01.0-HW-S (H230902-08)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/01/2023	ND	2.04	102	2.00	9.31		
Toluene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	8.00		
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.24	112	2.00	8.14		
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.96	116	6.00	8.65		
Total BTEX	<0.300	0.300	03/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	03/01/2023	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	02/28/2023	ND	261	131	200	18.4	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	245	122	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					

Surrogate: 1-Chlorooctane 109 % 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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-010-01.0-HE-S (H230902-09)**

BTEX 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/01/2023	ND	2.04	102	2.00	9.31		
Toluene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	8.00		
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.24	112	2.00	8.14		
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.96	116	6.00	8.65		
Total BTEX	<0.300	0.300	03/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	03/01/2023	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	02/28/2023	ND	261	131	200	18.4	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	245	122	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					

Surrogate: 1-Chlorooctane 93.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-010-01.0-HW-S (H230902-10)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/01/2023	ND	2.04	102	2.00	9.31	
Toluene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	8.00	
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.24	112	2.00	8.14	
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.96	116	6.00	8.65	
Total BTEX	<0.300	0.300	03/01/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	03/01/2023	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	02/28/2023	ND	261	131	200	18.4	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	245	122	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-011-01.0-HE-S (H230902-11)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/01/2023	ND	2.04	102	2.00	9.31		
Toluene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	8.00		
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.24	112	2.00	8.14		
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.96	116	6.00	8.65		
Total BTEx	<0.300	0.300	03/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	03/01/2023	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	02/28/2023	ND	261	131	200	18.4	
DRO >C10-C28*	<10.0	10.0	02/28/2023	ND	245	122	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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: 02/27/2023  
 Reported: 03/02/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 02/27/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-011-01.0-HW-S (H230902-12)**

BTEx 8021B		mg/kg		Analyzed By: ZZZ						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/01/2023	ND	2.04	102	2.00	9.31		
Toluene*	<0.050	0.050	03/01/2023	ND	2.08	104	2.00	8.00		
Ethylbenzene*	<0.050	0.050	03/01/2023	ND	2.24	112	2.00	8.14		
Total Xylenes*	<0.150	0.150	03/01/2023	ND	6.96	116	6.00	8.65		
Total BTEX	<0.300	0.300	03/01/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	03/01/2023	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	02/28/2023	ND	261	131	200	18.4	
<b>DRO &gt;C10-C28*</b>	<b>41.6</b>	10.0	02/28/2023	ND	245	122	200	19.2	
EXT DRO >C28-C36	<10.0	10.0	02/28/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
A-01	GRO blank spike failed high. Result deemed acceptable because all samples were ND for GRO.
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 16 of 17



Page 17 of 17





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March 16, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: RED HILLS WEST UNIT 10H

Enclosed are the results of analyses for samples received by the laboratory on 03/09/23 16:50.

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, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received: 03/09/2023  
 Reported: 03/16/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

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

**Sample ID: SP-011-03.0-V-S (H231106-01)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	03/13/2023	ND	1.94	97.1	2.00	8.97	
<b>Toluene*</b>	<b>2.27</b>	0.500	03/13/2023	ND	1.99	99.4	2.00	9.90	
Ethylbenzene*	<0.500	0.500	03/13/2023	ND	1.97	98.3	2.00	8.98	
<b>Total Xylenes*</b>	<b>22.8</b>	1.50	03/13/2023	ND	6.09	102	6.00	10.1	GC-NC1
<b>Total BTEx</b>	<b>25.1</b>	3.00	03/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 136 % 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
<b>Chloride</b>	<b>32.0</b>	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
<b>GRO C6-C10*</b>	<b>592</b>	10.0	03/10/2023	ND	200	100	200	1.35	
<b>DRO &gt;C10-C28*</b>	<b>249</b>	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 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 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: 03/09/2023  
 Reported: 03/16/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

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

**Sample ID: SP-010-03.0-V-S (H231106-02)**

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	03/13/2023	ND	1.94	97.1	2.00	8.97	
<b>Toluene*</b>	<b>6.19</b>	0.500	03/13/2023	ND	1.99	99.4	2.00	9.90	
Ethylbenzene*	<0.500	0.500	03/13/2023	ND	1.97	98.3	2.00	8.98	
<b>Total Xylenes*</b>	<b>56.0</b>	1.50	03/13/2023	ND	6.09	102	6.00	10.1	GC-NC1
<b>Total BTEX</b>	<b>62.2</b>	3.00	03/13/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 167 % 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
<b>Chloride</b>	<b>16.0</b>	16.0	03/10/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>1390</b>	10.0	03/10/2023	ND	200	100	200	1.35	
<b>DRO &gt;C10-C28*</b>	<b>587</b>	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 179 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 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: 03/09/2023  
 Reported: 03/16/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

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

**Sample ID: SP-002-01.0-HS-P (H231106-04)**

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	1.94	97.1	2.00	8.97		
Toluene*	0.059	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) 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	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	03/15/2023	ND	200	100	200	1.35	
DRO >C10-C28*	<10.0	10.0	03/15/2023	ND	239	119	200	1.88	
EXT DRO >C28-C36	<10.0	10.0	03/15/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

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\*=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.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
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 7 of 7



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

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March 23, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: RED HILLS WEST UNIT 10H

Enclosed are the results of analyses for samples received by the laboratory on 03/20/23 16:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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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:	03/20/2023	Sampling Date:	03/17/2023
Reported:	03/23/2023	Sampling Type:	Soil
Project Name:	RED HILLS WEST UNIT 10H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

**Sample ID: SP-012-00.0-V-P (H231263-01)**

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	03/22/2023	ND	2.12	106	2.00	4.73		
Toluene*	<0.050	0.050	03/22/2023	ND	2.16	108	2.00	4.50		
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.16	108	2.00	3.51		
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.70	112	6.00	3.72		
Total BTX	<0.300	0.300	03/22/2023	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	288	16.0	03/23/2023	ND	416	104	400	10.9		

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	03/22/2023	ND	173	86.5	200	2.72	
DRO >C10-C28*	1400	10.0	03/22/2023	ND	178	89.0	200	4.11	
EXT DRO >C28-C36	354	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 146 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-012-04.0-V-P (H231263-02)**

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	03/22/2023	ND	2.12	106	2.00	4.73	
Toluene*	<0.050	0.050	03/22/2023	ND	2.16	108	2.00	4.50	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.16	108	2.00	3.51	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.70	112	6.00	3.72	
Total BTEX	<0.300	0.300	03/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	4800	16.0	03/23/2023	ND	416	104	400	10.9		

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	03/22/2023	ND	173	86.5	200	2.72	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	178	89.0	200	4.11	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 87.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-012-06.0-V-P (H231263-03)**

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	03/22/2023	ND	2.12	106	2.00	4.73		
Toluene*	<0.050	0.050	03/22/2023	ND	2.16	108	2.00	4.50		
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.16	108	2.00	3.51		
Total Xylenes*	<0.150	0.150	03/22/2023	ND	6.70	112	6.00	3.72		
Total BTEX	<0.300	0.300	03/22/2023	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	<16.0	16.0	03/23/2023	ND	416	104	400	10.9		

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	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-013-00.0-V-P (H231263-04)**

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	03/23/2023	ND	2.12	106	2.00	4.73	
Toluene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	4.50	
Ethylbenzene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	3.51	
Total Xylenes*	<0.150	0.150	03/23/2023	ND	6.70	112	6.00	3.72	
Total BTEX	<0.300	0.300	03/23/2023	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	336	16.0	03/23/2023	ND	416	104	400	10.9		

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	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	11.8	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-013-04.0-V-P (H231263-05)**

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	03/23/2023	ND	2.12	106	2.00	4.73	
Toluene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	4.50	
Ethylbenzene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	3.51	
Total Xylenes*	<0.150	0.150	03/23/2023	ND	6.70	112	6.00	3.72	
Total BTEX	<0.300	0.300	03/23/2023	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	2480	16.0	03/23/2023	ND	416	104	400	10.9	

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	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	297	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	47.5	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-013-06.0-V-P (H231263-06)**

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	03/23/2023	ND	2.12	106	2.00	4.73		
Toluene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	4.50		
Ethylbenzene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	3.51		
Total Xylenes*	<0.150	0.150	03/23/2023	ND	6.70	112	6.00	3.72		
Total BTEX	<0.300	0.300	03/23/2023	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	<16.0	16.0	03/23/2023	ND	416	104	400	10.9		

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	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-014-00.0-V-P (H231263-07)**

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	03/23/2023	ND	2.12	106	2.00	4.73		
Toluene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	4.50		
Ethylbenzene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	3.51		
Total Xylenes*	<0.150	0.150	03/23/2023	ND	6.70	112	6.00	3.72		
Total BTEX	<0.300	0.300	03/23/2023	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	464	16.0	03/23/2023	ND	416	104	400	10.9		

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	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	6850	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	1640	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 74.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 200 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-014-04.0-V-P (H231263-08)**

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	03/23/2023	ND	2.12	106	2.00	4.73	
Toluene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	4.50	
Ethylbenzene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	3.51	
Total Xylenes*	<0.150	0.150	03/23/2023	ND	6.70	112	6.00	3.72	
Total BTX	<0.300	0.300	03/23/2023	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	2240	16.0	03/23/2023	ND	416	104	400	10.9		

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	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	184	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	61.3	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 90.6 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-014-06.0-V-P (H231263-09)**

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	03/23/2023	ND	2.12	106	2.00	4.73	
Toluene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	4.50	
Ethylbenzene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	3.51	
Total Xylenes*	<0.150	0.150	03/23/2023	ND	6.70	112	6.00	3.72	
Total BTEx	<0.300	0.300	03/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 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	03/23/2023	ND	416	104	400	10.9		

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	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-012-01.0-HE-P (H231263-10)**

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	03/23/2023	ND	2.12	106	2.00	4.73	
Toluene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	4.50	
Ethylbenzene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	3.51	
Total Xylenes*	<0.150	0.150	03/23/2023	ND	6.70	112	6.00	3.72	
Total BTEX	<0.300	0.300	03/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	03/23/2023	ND	416	104	400	10.9		

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	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-012-01.0-HW-P (H231263-11)**

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	03/23/2023	ND	2.12	106	2.00	4.73	
Toluene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	4.50	
Ethylbenzene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	3.51	
Total Xylenes*	<0.150	0.150	03/23/2023	ND	6.70	112	6.00	3.72	
Total BTEX	<0.300	0.300	03/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	03/23/2023	ND	416	104	400	10.9		

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	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-013-01.0-HE-P (H231263-12)**

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	03/23/2023	ND	2.12	106	2.00	4.73		
Toluene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	4.50		
Ethylbenzene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	3.51		
Total Xylenes*	<0.150	0.150	03/23/2023	ND	6.70	112	6.00	3.72		
Total BTEX	<0.300	0.300	03/23/2023	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	16.0	16.0	03/23/2023	ND	416	104	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	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-013-01.0-HW-P (H231263-13)**

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	03/23/2023	ND	2.12	106	2.00	4.73	
Toluene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	4.50	
Ethylbenzene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	3.51	
Total Xylenes*	<0.150	0.150	03/23/2023	ND	6.70	112	6.00	3.72	
Total BTEX	<0.300	0.300	03/23/2023	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	03/23/2023	ND	416	104	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	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-014-01.0-HE-P (H231263-14)**

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	03/23/2023	ND	2.12	106	2.00	4.73	
Toluene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	4.50	
Ethylbenzene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	3.51	
Total Xylenes*	<0.150	0.150	03/23/2023	ND	6.70	112	6.00	3.72	
Total BTEX	<0.300	0.300	03/23/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 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	03/23/2023	ND	416	104	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	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-014-01.0-HW-P (H231263-15)**

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	03/23/2023	ND	2.12	106	2.00	4.73	
Toluene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	4.50	
Ethylbenzene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	3.51	
Total Xylenes*	<0.150	0.150	03/23/2023	ND	6.70	112	6.00	3.72	
Total BTEX	<0.300	0.300	03/23/2023	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	16.0	16.0	03/23/2023	ND	416	104	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	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	<10.0	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	<10.0	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 90.1 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-001-01.0-NA-S (H231263-16)**

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	03/23/2023	ND	2.12	106	2.00	4.73	
Toluene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	4.50	
Ethylbenzene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	3.51	
Total Xylenes*	<0.150	0.150	03/23/2023	ND	6.70	112	6.00	3.72	
Total BTEX	<0.300	0.300	03/23/2023	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	1500	16.0	03/23/2023	ND	416	104	400	0.00		

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	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	1640	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	351	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 165 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-002-01.0-NA-S (H231263-17)**

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	03/23/2023	ND	2.12	106	2.00	4.73	
Toluene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	4.50	
Ethylbenzene*	<0.050	0.050	03/23/2023	ND	2.16	108	2.00	3.51	
Total Xylenes*	<0.150	0.150	03/23/2023	ND	6.70	112	6.00	3.72	
Total BTEX	<0.300	0.300	03/23/2023	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	1470	16.0	03/23/2023	ND	416	104	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	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	1460	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	322	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 139 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-003-01.0-NA-S (H231263-18)**

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	03/22/2023	ND	2.33	117	2.00	0.0758	
Toluene*	<0.050	0.050	03/22/2023	ND	2.31	116	2.00	1.17	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.44	122	2.00	1.08	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	7.53	126	6.00	1.66	
Total BTEX	<0.300	0.300	03/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	1280	16.0	03/23/2023	ND	416	104	400	0.00		

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	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	1460	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	322	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 152 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-004-01.0-NA-S (H231263-19)**

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	03/22/2023	ND	2.33	117	2.00	0.0758	
Toluene*	<0.050	0.050	03/22/2023	ND	2.31	116	2.00	1.17	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.44	122	2.00	1.08	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	7.53	126	6.00	1.66	
Total BTEX	<0.300	0.300	03/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	496	16.0	03/23/2023	ND	416	104	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*	10.7	10.0	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	2240	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	366	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 135 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-005-01.0-NA-S (H231263-20)**

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	03/22/2023	ND	2.33	117	2.00	0.0758	
Toluene*	<0.050	0.050	03/22/2023	ND	2.31	116	2.00	1.17	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.44	122	2.00	1.08	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	7.53	126	6.00	1.66	
Total BTEX	<0.300	0.300	03/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 132 % 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	768	16.0	03/23/2023	ND	416	104	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*	10.3	10.0	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	2170	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	362	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 95.8 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-006-01.0-NA-S (H231263-21)**

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	03/22/2023	ND	2.33	117	2.00	0.0758	
Toluene*	<0.050	0.050	03/22/2023	ND	2.31	116	2.00	1.17	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.44	122	2.00	1.08	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	7.53	126	6.00	1.66	
Total BTEX	<0.300	0.300	03/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	656	16.0	03/23/2023	ND	416	104	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	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	2010	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	338	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-007-01.0-NA-S (H231263-22)**

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	03/22/2023	ND	2.33	117	2.00	0.0758		
Toluene*	<0.050	0.050	03/22/2023	ND	2.31	116	2.00	1.17		
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.44	122	2.00	1.08		
Total Xylenes*	<0.150	0.150	03/22/2023	ND	7.53	126	6.00	1.66		
Total BTEX	<0.300	0.300	03/22/2023	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	688	16.0	03/23/2023	ND	416	104	400	0.00		

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	03/22/2023	ND	179	89.3	200	0.116	
DRO >C10-C28*	1490	10.0	03/22/2023	ND	171	85.7	200	0.700	
EXT DRO >C28-C36	311	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 149 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-008-01.0-NA-S (H231263-23)**

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	03/22/2023	ND	2.33	117	2.00	0.0758		
Toluene*	<0.050	0.050	03/22/2023	ND	2.31	116	2.00	1.17		
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.44	122	2.00	1.08		
Total Xylenes*	<0.150	0.150	03/22/2023	ND	7.53	126	6.00	1.66		
Total BTEX	<0.300	0.300	03/22/2023	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	640	16.0	03/23/2023	ND	416	104	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	03/22/2023	ND	165	82.4	200	3.91	
DRO >C10-C28*	1460	10.0	03/22/2023	ND	176	87.9	200	6.91	
EXT DRO >C28-C36	247	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-009-01.0-NA-S (H231263-24)**

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	03/22/2023	ND	2.33	117	2.00	0.0758		
Toluene*	<0.050	0.050	03/22/2023	ND	2.31	116	2.00	1.17		
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.44	122	2.00	1.08		
Total Xylenes*	<0.150	0.150	03/22/2023	ND	7.53	126	6.00	1.66		
Total BTEX	<0.300	0.300	03/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	656	16.0	03/23/2023	ND	416	104	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	03/22/2023	ND	165	82.4	200	3.91	
DRO >C10-C28*	1560	10.0	03/22/2023	ND	176	87.9	200	6.91	
EXT DRO >C28-C36	284	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-010-01.0-NA-S (H231263-25)**

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	03/22/2023	ND	2.33	117	2.00	0.0758	
Toluene*	<0.050	0.050	03/22/2023	ND	2.31	116	2.00	1.17	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.44	122	2.00	1.08	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	7.53	126	6.00	1.66	
Total BTEX	<0.300	0.300	03/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	03/23/2023	ND	416	104	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	03/22/2023	ND	165	82.4	200	3.91	
DRO >C10-C28*	2030	10.0	03/22/2023	ND	176	87.9	200	6.91	
EXT DRO >C28-C36	368	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-011-01.0-NA-S (H231263-26)**

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	03/22/2023	ND	2.33	117	2.00	0.0758		
Toluene*	<0.050	0.050	03/22/2023	ND	2.31	116	2.00	1.17		
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.44	122	2.00	1.08		
Total Xylenes*	<0.150	0.150	03/22/2023	ND	7.53	126	6.00	1.66		
Total BTEX	<0.300	0.300	03/22/2023	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	624	16.0	03/23/2023	ND	416	104	400	0.00		

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	03/22/2023	ND	165	82.4	200	3.91	
DRO >C10-C28*	6700	10.0	03/22/2023	ND	176	87.9	200	6.91	
EXT DRO >C28-C36	1140	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 219 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-012-01.0-NA-S (H231263-27)**

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	03/22/2023	ND	2.33	117	2.00	0.0758		
Toluene*	<0.050	0.050	03/22/2023	ND	2.31	116	2.00	1.17		
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.44	122	2.00	1.08		
Total Xylenes*	<0.150	0.150	03/22/2023	ND	7.53	126	6.00	1.66		
Total BTEx	<0.300	0.300	03/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 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	656	16.0	03/23/2023	ND	416	104	400	0.00		

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	03/22/2023	ND	165	82.4	200	3.91	
DRO >C10-C28*	5500	10.0	03/22/2023	ND	176	87.9	200	6.91	
EXT DRO >C28-C36	1010	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 158 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-013-01.0-NA-S (H231263-28)**

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	03/22/2023	ND	2.33	117	2.00	0.0758	
Toluene*	<0.050	0.050	03/22/2023	ND	2.31	116	2.00	1.17	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.44	122	2.00	1.08	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	7.53	126	6.00	1.66	
Total BTEX	<0.300	0.300	03/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	672	16.0	03/23/2023	ND	416	104	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	03/22/2023	ND	165	82.4	200	3.91	
DRO >C10-C28*	5070	10.0	03/22/2023	ND	176	87.9	200	6.91	
EXT DRO >C28-C36	803	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 83.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-014-01.0-NA-S (H231263-29)**

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	03/22/2023	ND	2.33	117	2.00	0.0758		
Toluene*	<0.050	0.050	03/22/2023	ND	2.31	116	2.00	1.17		
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.44	122	2.00	1.08		
Total Xylenes*	<0.150	0.150	03/22/2023	ND	7.53	126	6.00	1.66		
Total BTEx	<0.300	0.300	03/22/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	576	16.0	03/23/2023	ND	416	104	400	0.00		

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	03/22/2023	ND	165	82.4	200	3.91	
DRO >C10-C28*	5130	10.0	03/22/2023	ND	176	87.9	200	6.91	
EXT DRO >C28-C36	807	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 153 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-001-00.5-NA-S (H231263-30)**

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	03/22/2023	ND	2.33	117	2.00	0.0758	
Toluene*	<0.050	0.050	03/22/2023	ND	2.31	116	2.00	1.17	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.44	122	2.00	1.08	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	7.53	126	6.00	1.66	
Total BTEX	<0.300	0.300	03/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	1310	16.0	03/23/2023	ND	416	104	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	03/22/2023	ND	165	82.4	200	3.91	
DRO >C10-C28*	2170	10.0	03/22/2023	ND	176	87.9	200	6.91	
EXT DRO >C28-C36	455	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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: 03/20/2023  
 Reported: 03/23/2023  
 Project Name: RED HILLS WEST UNIT 10H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 03/17/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-002-00.5-NA-S (H231263-31)**

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	03/22/2023	ND	2.33	117	2.00	0.0758	
Toluene*	<0.050	0.050	03/22/2023	ND	2.31	116	2.00	1.17	
Ethylbenzene*	<0.050	0.050	03/22/2023	ND	2.44	122	2.00	1.08	
Total Xylenes*	<0.150	0.150	03/22/2023	ND	7.53	126	6.00	1.66	
Total BTEx	<0.300	0.300	03/22/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	608	16.0	03/23/2023	ND	416	104	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	03/22/2023	ND	165	82.4	200	3.91	
DRO >C10-C28*	1770	10.0	03/22/2023	ND	176	87.9	200	6.91	
EXT DRO >C28-C36	355	10.0	03/22/2023	ND					

Surrogate: 1-Chlorooctane 90.7 % 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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### 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





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		ANALYSIS REQUEST	
Project Manager: Dan Dunkelberg		Company: Mewbourne Oil Co.					
Address: 8426 N Dal Paso		Attn: Connor Walker					
City: Hobbs		State: NM Zip: 88241					
Phone #: Hobbs		Address:					
Project #: Hobbs		City:					
Project Name: Red Hills West Unit 10H		State:					
Project Location: Lea Co., NM		Zip:					
Sampler Name: MMV		Phone #:					
Fax #:							
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING	
Lab I.D. H231263		(G)RAB OR (C)OMP.		DATE		TIME	
Sample I.D.		# CONTAINERS				Chloride	
1 SP-012-00.0-V-P		GROUNDWATER		3/17/2023		X	
2 SP-012-04.0-V-P		WASTEWATER		3/17/2023		X	
3 SP-012-06.0-V-P		SOIL		3/17/2023		X	
4 SP-013-00.0-V-P		SLUDGE		3/17/2023		X	
5 SP-013-04.0-V-P		OTHER:		3/17/2023		X	
6 SP-013-06.0-V-P		ACID/BASE:		3/17/2023		X	
7 SP-014-00.0-V-P		ICE / COOL		3/17/2023		X	
8 SP-014-04.0-V-P		OTHER:		3/17/2023		X	
9 SP-014-06.0-V-P				3/17/2023		X	
10 SP-012-01.0-HE-P				3/17/2023		X	
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Relinquished By: [Signature]		Received By: [Signature]		All Results are emailed. Please provide Email address:		Add'l Phone #:	
Temp: 1100		Date: 3-20-23					
Time:		Received By: [Signature]					
Delivered By: (Circle One)		Observed Temp. °C: 21.2		Sample Condition		CHECKED BY: (Initials)	
Cool Isotect		Corrected Temp. °C: 1.5		Yes [X] No [ ]		Thermometer ID #113	
Sampler - UPS - Bus - Other:		Correction Factor -4.6 °C		Standard		Bacteria (only) Sample Condition	
				Cool [X] Intact [ ]		Cool [ ] Intact [ ]	
				Yes [ ] No [ ]		Yes [ ] No [ ]	
				Corrected Temp. °C			

† Cardinal cannot accept verbal changes. Please email changes to caley.keene@cardinalabnm.com



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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		ANALYSIS REQUEST	
Project Manager: Dan Dunkelberg		Company: Melbourne Oil Co.					
Address: 8426 N Dal Paso		Attn: Connor Walker					
City: Hobbs		Address:					
State: NM Zip: 88241		City:					
Phone #:		Fax #:					
Project #:		Project Owner: (see below)					
Project Location: Red Hills West Unit 10H		State: Zip:					
Project Location: Lea Co., NM		Phone #:					
Sample Name: MW		Fax #:					
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING	
Lab I.D. <b>H331243</b>		(G)RAB OR (C)OMP.		# CONTAINERS			
Sample I.D.		GROUNDWATER		WASTEWATER			
		SOIL		OIL			
		SLUDGE		OTHER:			
		ACID/BASE:		ICE / COOL			
		OTHER:					
Lab I.D.		DATE		TIME		Chloride	
11 SP-012-01.0-HW-P		3/17/2023				X	
12 SP-013-01.0-HE-P		3/17/2023				X	
13 SP-013-01.0-HW-P		3/17/2023				X	
14 SP-014-01.0-HE-P		3/17/2023				X	
15 SP-014-01.0-HW-P		3/17/2023				X	
16 CF-001-01.0-NA-S		3/17/2023				X	
17 CF-002-01.0-NA-S		3/17/2023				X	
18 CF-003-01.0-NA-S		3/17/2023				X	
19 CF-004-01.0-NA-S		3/17/2023				X	
20 CF-005-01.0-NA-S		3/17/2023				X	
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Relinquished By: <b>[Signature]</b>		Received By: <b>[Signature]</b>		All Results are emailed. Please provide Email address:		Add'l Phone #:	
Refined By: <b>[Signature]</b>		Date: <b>3/20/23</b>		Time: <b>10:00</b>		REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: <b>[Signature]</b>	
		21		Cool Intact		Initials: <b>[Signature]</b>	
		1.5					
						Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
						Bacteria (only) Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/>	
						Observed Temp. °C	





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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Relinquished By:		Date:		Received By:		Verbal Result:		Add'l Phone #:	
		3-20-23				Yes			
Time:						No			
11:00									
All Results are emailed. Please provide Email address:									



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

---

April 18, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: RED HILLS WEST UNIT #010H

Enclosed are the results of analyses for samples received by the laboratory on 04/11/23 16:45.

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:	04/11/2023	Sampling Date:	04/06/2023
Reported:	04/18/2023	Sampling Type:	Soil
Project Name:	RED HILLS WEST UNIT #010H	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO., NM		

**Sample ID: SP-010-04.0-V-S (H231711-01)**

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	04/14/2023	ND	1.91	95.6	2.00	4.97		
Toluene*	<0.050	0.050	04/14/2023	ND	2.02	101	2.00	6.57		
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.19	110	2.00	7.31		
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.68	111	6.00	7.88		
Total BTEX	<0.300	0.300	04/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	64.0	16.0	04/14/2023	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	04/15/2023	ND	185	92.5	200	0.149	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	173	86.3	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-011-04.0-V-S (H231711-02)**

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	04/14/2023	ND	1.91	95.6	2.00	4.97		
Toluene*	<0.050	0.050	04/14/2023	ND	2.02	101	2.00	6.57		
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.19	110	2.00	7.31		
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.68	111	6.00	7.88		
Total BTEX	<0.300	0.300	04/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	64.0	16.0	04/14/2023	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	04/15/2023	ND	185	92.5	200	0.149	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	173	86.3	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP-011-01.0-HW-S (H231711-03)**

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	04/14/2023	ND	1.91	95.6	2.00	4.97	
Toluene*	<0.050	0.050	04/14/2023	ND	2.02	101	2.00	6.57	
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.19	110	2.00	7.31	
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.68	111	6.00	7.88	
Total BTEX	<0.300	0.300	04/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	04/14/2023	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	04/15/2023	ND	185	92.5	200	0.149	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	173	86.3	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-027-05.0-NA-P (H231711-04)**

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	04/14/2023	ND	1.91	95.6	2.00	4.97		
Toluene*	<0.050	0.050	04/14/2023	ND	2.02	101	2.00	6.57		
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.19	110	2.00	7.31		
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.68	111	6.00	7.88		
Total BTEX	<0.300	0.300	04/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	04/14/2023	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	04/15/2023	ND	185	92.5	200	0.149	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	173	86.3	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-028-05.0-NA-P (H231711-05)**

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	04/14/2023	ND	1.91	95.6	2.00	4.97		
Toluene*	<0.050	0.050	04/14/2023	ND	2.02	101	2.00	6.57		
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.19	110	2.00	7.31		
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.68	111	6.00	7.88		
Total BTEX	<0.300	0.300	04/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	04/14/2023	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	04/15/2023	ND	185	92.5	200	0.149	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	173	86.3	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-029-04.0-NA-P (H231711-06)**

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	04/14/2023	ND	1.91	95.6	2.00	4.97		
Toluene*	<0.050	0.050	04/14/2023	ND	2.02	101	2.00	6.57		
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.19	110	2.00	7.31		
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.68	111	6.00	7.88		
Total BTEX	<0.300	0.300	04/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	64.0	16.0	04/14/2023	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	04/15/2023	ND	185	92.5	200	0.149	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	173	86.3	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 90.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-030-04.5-NA-P (H231711-07)**

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	04/14/2023	ND	1.91	95.6	2.00	4.97		
Toluene*	<0.050	0.050	04/14/2023	ND	2.02	101	2.00	6.57		
Ethylbenzene*	<0.050	0.050	04/14/2023	ND	2.19	110	2.00	7.31		
Total Xylenes*	<0.150	0.150	04/14/2023	ND	6.68	111	6.00	7.88		
Total BTEx	<0.300	0.300	04/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	64.0	16.0	04/14/2023	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	04/15/2023	ND	185	92.5	200	0.149	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	173	86.3	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 92.1 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-031-07.0-NA-P (H231711-08)**

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	04/15/2023	ND	1.91	95.6	2.00	4.97		
Toluene*	<0.050	0.050	04/15/2023	ND	2.02	101	2.00	6.57		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.19	110	2.00	7.31		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.68	111	6.00	7.88		
Total BTEX	<0.300	0.300	04/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	32.0	16.0	04/14/2023	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	04/15/2023	ND	185	92.5	200	0.149	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	173	86.3	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.7 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-032-05.0-NA-P (H231711-09)**

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	04/15/2023	ND	1.91	95.6	2.00	4.97		
Toluene*	<0.050	0.050	04/15/2023	ND	2.02	101	2.00	6.57		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.19	110	2.00	7.31		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.68	111	6.00	7.88		
Total BTEx	<0.300	0.300	04/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	48.0	16.0	04/14/2023	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	04/15/2023	ND	185	92.5	200	0.149	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	173	86.3	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-033-03.0-NA-P (H231711-10)**

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	04/15/2023	ND	1.91	95.6	2.00	4.97		
Toluene*	<0.050	0.050	04/15/2023	ND	2.02	101	2.00	6.57		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.19	110	2.00	7.31		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.68	111	6.00	7.88		
Total BTEX	<0.300	0.300	04/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	04/14/2023	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	04/15/2023	ND	185	92.5	200	0.149	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	173	86.3	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-034-03.0-NA-P (H231711-11)**

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	04/15/2023	ND	1.91	95.6	2.00	4.97		
Toluene*	<0.050	0.050	04/15/2023	ND	2.02	101	2.00	6.57		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.19	110	2.00	7.31		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.68	111	6.00	7.88		
Total BTX	<0.300	0.300	04/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	48.0	16.0	04/14/2023	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	04/15/2023	ND	185	92.5	200	0.149	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	173	86.3	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-035-02.0-NA-P (H231711-12)**

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	04/15/2023	ND	1.91	95.6	2.00	4.97	
Toluene*	<0.050	0.050	04/15/2023	ND	2.02	101	2.00	6.57	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.19	110	2.00	7.31	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.68	111	6.00	7.88	
Total BTEX	<0.300	0.300	04/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	256	16.0	04/14/2023	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	04/15/2023	ND	185	92.5	200	0.149	
DRO >C10-C28*	23.3	10.0	04/15/2023	ND	173	86.3	200	3.48	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 90.7 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-036-03.0-NA-P (H231711-13)**

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	04/15/2023	ND	1.91	95.6	2.00	4.97		
Toluene*	<0.050	0.050	04/15/2023	ND	2.02	101	2.00	6.57		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.19	110	2.00	7.31		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.68	111	6.00	7.88		
Total BTEX	<0.300	0.300	04/15/2023	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	64.0	16.0	04/14/2023	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	04/15/2023	ND	185	92.5	200	0.149	
DRO >C10-C28*	972	10.0	04/15/2023	ND	173	86.3	200	3.48	
EXT DRO >C28-C36	189	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-037-03.0-NA-P (H231711-14)**

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	04/15/2023	ND	1.91	95.6	2.00	4.97	
Toluene*	<0.050	0.050	04/15/2023	ND	2.02	101	2.00	6.57	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.19	110	2.00	7.31	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.68	111	6.00	7.88	
Total BTEX	<0.300	0.300	04/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	04/14/2023	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	04/14/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	851	10.0	04/14/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	151	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-038-03.0-NA-P (H231711-15)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16	QM-07
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33	QM-07
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09	QM-07
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04	QM-07
Total BTEX	<0.300	0.300	04/15/2023	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	48.0	16.0	04/14/2023	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	04/14/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	812	10.0	04/14/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	141	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-039-02.0-NA-P (H231711-16)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16		
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04		
Total BTEX	<0.300	0.300	04/15/2023	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	48.0	16.0	04/14/2023	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	04/14/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	580	10.0	04/14/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	110	10.0	04/14/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-040-02.5-NA-P (H231711-17)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16		
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04		
Total BTEX	<0.300	0.300	04/15/2023	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	80.0	16.0	04/14/2023	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	04/15/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	660	10.0	04/15/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	118	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 117 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-041-03.0-NA-P (H231711-18)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16		
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04		
Total BTX	<0.300	0.300	04/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	32.0	16.0	04/14/2023	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	04/15/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	323	10.0	04/15/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	51.8	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 101 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-042-03.0-NA-P (H231711-19)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16		
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04		
Total BTX	<0.300	0.300	04/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	48.0	16.0	04/14/2023	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	04/15/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	362	10.0	04/15/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	53.8	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-043-03.0-NA-P (H231711-20)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16		
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04		
Total BTEX	<0.300	0.300	04/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	04/14/2023	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	04/15/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	370	10.0	04/15/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	48.5	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 106 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-044-03.0-NA-P (H231711-21)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16		
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04		
Total BTX	<0.300	0.300	04/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	32.0	16.0	04/14/2023	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	04/15/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 104 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-045-04.0-NA-P (H231711-22)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16		
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04		
Total BTEX	<0.300	0.300	04/15/2023	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	176	16.0	04/14/2023	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	04/15/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	420	10.0	04/15/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	51.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 111 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-046-04.0-NA-P (H231711-23)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16		
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04		
Total BTEX	<0.300	0.300	04/15/2023	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	208	16.0	04/14/2023	ND	432	108	400	0.00		

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*	37.1	10.0	04/15/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	3400	10.0	04/15/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	434	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 189 % 48.2-134

Surrogate: 1-Chlorooctadecane 189 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-047-04.0-NA-P (H231711-24)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16		
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04		
Total BTEX	<0.300	0.300	04/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	64.0	16.0	04/14/2023	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	04/15/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	787	10.0	04/15/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	111	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-048-03.0-NA-P (H231711-25)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16	
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33	
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09	
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04	
Total BTX	<0.300	0.300	04/15/2023	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	64.0	16.0	04/14/2023	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	04/15/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	352	10.0	04/15/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	51.6	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-049-03.0-NA-P (H231711-26)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16		
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04		
Total BTEx	<0.300	0.300	04/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	32.0	16.0	04/14/2023	ND	416	104	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	04/15/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	152	10.0	04/15/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	24.1	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 134 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-050-04.0-NA-P (H231711-27)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16		
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04		
Total BTX	<0.300	0.300	04/15/2023	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	80.0	16.0	04/14/2023	ND	416	104	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	04/15/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-051-04.0-NA-P (H231711-28)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16		
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04		
Total BTX	<0.300	0.300	04/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	48.0	16.0	04/14/2023	ND	416	104	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	04/15/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	244	10.0	04/15/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	33.8	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-052-03.0-NA-P (H231711-29)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16		
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04		
Total BTEX	<0.300	0.300	04/15/2023	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	48.0	16.0	04/14/2023	ND	416	104	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	04/15/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	<10.0	10.0	04/15/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	<10.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-053-02.5-NA-P (H231711-30)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16		
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04		
Total BTEX	<0.300	0.300	04/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	04/14/2023	ND	416	104	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*	21.5	10.0	04/15/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	1860	10.0	04/15/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	233	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-054-02.0-NA-P (H231711-31)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16		
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04		
Total BTEX	<0.300	0.300	04/15/2023	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	48.0	16.0	04/14/2023	ND	416	104	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	04/15/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	630	10.0	04/15/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	93.0	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-055-01.0-NA-P (H231711-32)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16		
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04		
Total BTEX	<0.300	0.300	04/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	04/14/2023	ND	416	104	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	04/15/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	184	10.0	04/15/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	32.9	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 112 % 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: 04/11/2023  
 Reported: 04/18/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - EDDY CO., NM

Sampling Date: 04/06/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-056-02.0-NA-P (H231711-33)**

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	04/15/2023	ND	1.88	93.8	2.00	5.16		
Toluene*	<0.050	0.050	04/15/2023	ND	2.07	103	2.00	4.33		
Ethylbenzene*	<0.050	0.050	04/15/2023	ND	2.06	103	2.00	5.09		
Total Xylenes*	<0.150	0.150	04/15/2023	ND	6.39	106	6.00	5.04		
Total BTEX	<0.300	0.300	04/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	04/14/2023	ND	416	104	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*	18.0	10.0	04/15/2023	ND	202	101	200	0.0203	
DRO >C10-C28*	2510	10.0	04/15/2023	ND	202	101	200	4.94	
EXT DRO >C28-C36	470	10.0	04/15/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 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.
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

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Page 38 of 39



Page 39 of 39



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May 22, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: RED HILLS WEST UNIT #010H

Enclosed are the results of analyses for samples received by the laboratory on 05/16/23 16:30.

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" and last name "Keene" clearly distinguishable.

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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-003.0-03.0-P (H232464-01)**

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	05/19/2023	ND	2.37	119	2.00	1.61	
Toluene*	<0.050	0.050	05/19/2023	ND	2.34	117	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.30	115	2.00	1.81	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.03	117	6.00	2.24	
Total BTEx	<0.300	0.300	05/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	05/18/2023	ND	416	104	400	7.41		

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	05/18/2023	ND	172	86.0	200	8.75	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	181	90.6	200	7.77	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-004.0-03.0-P (H232464-02)**

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	05/19/2023	ND	2.37	119	2.00	1.61	
Toluene*	<0.050	0.050	05/19/2023	ND	2.34	117	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.30	115	2.00	1.81	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.03	117	6.00	2.24	
Total BTEX	<0.300	0.300	05/19/2023	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	48.0	16.0	05/18/2023	ND	416	104	400	7.41	

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	05/18/2023	ND	172	86.0	200	8.75	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	181	90.6	200	7.77	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-005.0-03.0-P (H232464-03)**

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	05/19/2023	ND	2.37	119	2.00	1.61	
Toluene*	<0.050	0.050	05/19/2023	ND	2.34	117	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.30	115	2.00	1.81	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.03	117	6.00	2.24	
Total BTEX	<0.300	0.300	05/19/2023	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	32.0	16.0	05/18/2023	ND	416	104	400	7.41	

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	05/18/2023	ND	172	86.0	200	8.75	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	181	90.6	200	7.77	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-006.0-03.0-P (H232464-04)**

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	05/19/2023	ND	2.37	119	2.00	1.61	
Toluene*	<0.050	0.050	05/19/2023	ND	2.34	117	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.30	115	2.00	1.81	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.03	117	6.00	2.24	
Total BTEX	<0.300	0.300	05/19/2023	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	48.0	16.0	05/18/2023	ND	416	104	400	7.41	

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	05/18/2023	ND	172	86.0	200	8.75	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	181	90.6	200	7.77	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-007.0-01.0-P (H232464-05)**

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	05/19/2023	ND	2.37	119	2.00	1.61	
Toluene*	<0.050	0.050	05/19/2023	ND	2.34	117	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.30	115	2.00	1.81	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.03	117	6.00	2.24	
Total BTEX	<0.300	0.300	05/19/2023	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	05/18/2023	ND	416	104	400	7.41		

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	05/18/2023	ND	162	80.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	168	84.0	200	5.73	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-008.0-01.0-P (H232464-06)**

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	05/19/2023	ND	2.37	119	2.00	1.61	
Toluene*	<0.050	0.050	05/19/2023	ND	2.34	117	2.00	1.99	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.30	115	2.00	1.81	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	7.03	117	6.00	2.24	
Total BTEX	<0.300	0.300	05/19/2023	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	16.0	16.0	05/18/2023	ND	416	104	400	7.41		

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	05/18/2023	ND	162	80.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	168	84.0	200	5.73	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-009.0-02.0-P (H232464-07)**

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	05/19/2023	ND	2.11	106	2.00	4.23	
Toluene*	<0.050	0.050	05/19/2023	ND	2.11	105	2.00	3.51	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.19	109	2.00	4.09	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.49	108	6.00	3.85	
Total BTEx	<0.300	0.300	05/19/2023	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	32.0	16.0	05/18/2023	ND	416	104	400	7.41		

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	05/18/2023	ND	162	80.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	168	84.0	200	5.73	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.0 % 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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-010.0-02.0-P (H232464-08)**

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	05/19/2023	ND	2.11	106	2.00	4.23	
Toluene*	<0.050	0.050	05/19/2023	ND	2.11	105	2.00	3.51	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.19	109	2.00	4.09	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.49	108	6.00	3.85	
Total BTEx	<0.300	0.300	05/19/2023	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	48.0	16.0	05/18/2023	ND	416	104	400	7.41		

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	05/18/2023	ND	162	80.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	168	84.0	200	5.73	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-011.0-00.3-P (H232464-09)**

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	05/19/2023	ND	2.11	106	2.00	4.23	
Toluene*	<0.050	0.050	05/19/2023	ND	2.11	105	2.00	3.51	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.19	109	2.00	4.09	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.49	108	6.00	3.85	
Total BTEX	<0.300	0.300	05/19/2023	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	16.0	16.0	05/18/2023	ND	416	104	400	7.41		

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	05/18/2023	ND	162	80.8	200	5.79	
DRO >C10-C28*	65.7	10.0	05/18/2023	ND	168	84.0	200	5.73	
EXT DRO >C28-C36	21.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-012.0-02.0-P (H232464-10)**

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	05/19/2023	ND	2.11	106	2.00	4.23	
Toluene*	<0.050	0.050	05/19/2023	ND	2.11	105	2.00	3.51	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.19	109	2.00	4.09	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.49	108	6.00	3.85	
Total BTEX	<0.300	0.300	05/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	05/18/2023	ND	416	104	400	7.41	

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	05/18/2023	ND	162	80.8	200	5.79	
DRO >C10-C28*	14.7	10.0	05/18/2023	ND	168	84.0	200	5.73	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 93.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-013.0-02.0-P (H232464-11)**

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	05/19/2023	ND	2.11	106	2.00	4.23	
Toluene*	<0.050	0.050	05/19/2023	ND	2.11	105	2.00	3.51	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.19	109	2.00	4.09	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.49	108	6.00	3.85	
Total BTEx	<0.300	0.300	05/19/2023	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	64.0	16.0	05/18/2023	ND	416	104	400	7.41		

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	05/18/2023	ND	162	80.8	200	5.79	
DRO >C10-C28*	62.5	10.0	05/18/2023	ND	168	84.0	200	5.73	
EXT DRO >C28-C36	13.8	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-014.0-03.0-P (H232464-12)**

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	05/19/2023	ND	2.11	106	2.00	4.23	
Toluene*	<0.050	0.050	05/19/2023	ND	2.11	105	2.00	3.51	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.19	109	2.00	4.09	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.49	108	6.00	3.85	
Total BTEX	<0.300	0.300	05/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	05/18/2023	ND	416	104	400	7.41	

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	05/18/2023	ND	162	80.8	200	5.79	
DRO >C10-C28*	34.6	10.0	05/18/2023	ND	168	84.0	200	5.73	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-015.0-03.0-P (H232464-13)**

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	05/19/2023	ND	2.11	106	2.00	4.23		
Toluene*	<0.050	0.050	05/19/2023	ND	2.11	105	2.00	3.51		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.19	109	2.00	4.09		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.49	108	6.00	3.85		
Total BTEX	<0.300	0.300	05/19/2023	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	16.0	16.0	05/18/2023	ND	416	104	400	7.41		

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	05/18/2023	ND	162	80.8	200	5.79	
DRO >C10-C28*	24.9	10.0	05/18/2023	ND	168	84.0	200	5.73	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-016.0-03.0-P (H232464-14)**

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	05/19/2023	ND	2.11	106	2.00	4.23	
Toluene*	<0.050	0.050	05/19/2023	ND	2.11	105	2.00	3.51	
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.19	109	2.00	4.09	
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.49	108	6.00	3.85	
Total BTEX	<0.300	0.300	05/19/2023	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	64.0	16.0	05/18/2023	ND	416	104	400	7.41	

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	05/18/2023	ND	162	80.8	200	5.79	
DRO >C10-C28*	<10.0	10.0	05/18/2023	ND	168	84.0	200	5.73	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 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: 05/16/2023  
 Reported: 05/22/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 05/16/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-017.0-03.0-P (H232464-15)**

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	05/19/2023	ND	2.11	106	2.00	4.23		
Toluene*	<0.050	0.050	05/19/2023	ND	2.11	105	2.00	3.51		
Ethylbenzene*	<0.050	0.050	05/19/2023	ND	2.19	109	2.00	4.09		
Total Xylenes*	<0.150	0.150	05/19/2023	ND	6.49	108	6.00	3.85		
Total BTEX	<0.300	0.300	05/19/2023	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	32.0	16.0	05/18/2023	ND	416	104	400	7.41		

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	05/18/2023	ND	157	78.7	200	6.23	
DRO >C10-C28*	38.0	10.0	05/18/2023	ND	157	78.5	200	8.11	
EXT DRO >C28-C36	<10.0	10.0	05/18/2023	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-06            The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
- 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



Page 18 of 19

Page 19 of 19



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

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June 09, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: RED HILLS WEST UNIT #010H

Enclosed are the results of analyses for samples received by the laboratory on 06/06/23 8:10.

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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-011.0-03.0-P (H232847-01)**

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	06/06/2023	ND	2.22	111	2.00	0.611	
Toluene*	<0.050	0.050	06/06/2023	ND	2.27	113	2.00	0.0513	
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.18	109	2.00	0.453	
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.81	113	6.00	0.0778	
Total BTX	<0.300	0.300	06/06/2023	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	06/06/2023	ND	416	104	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	209	105	200	24.5	
DRO >C10-C28*	<10.0	10.0	06/06/2023	ND	211	106	200	20.9	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-012.0-03.0-P (H232847-02)**

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	06/06/2023	ND	2.22	111	2.00	0.611	
Toluene*	<0.050	0.050	06/06/2023	ND	2.27	113	2.00	0.0513	
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.18	109	2.00	0.453	
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.81	113	6.00	0.0778	
Total BTEX	<0.300	0.300	06/06/2023	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	32.0	16.0	06/06/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	209	105	200	24.5	
DRO >C10-C28*	<10.0	10.0	06/06/2023	ND	211	106	200	20.9	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 78.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.2 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-013.0-03.0-P (H232847-03)**

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	06/06/2023	ND	2.22	111	2.00	0.611	
Toluene*	<0.050	0.050	06/06/2023	ND	2.27	113	2.00	0.0513	
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.18	109	2.00	0.453	
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.81	113	6.00	0.0778	
Total BTX	<0.300	0.300	06/06/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/06/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	209	105	200	24.5	
DRO >C10-C28*	<10.0	10.0	06/06/2023	ND	211	106	200	20.9	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 79.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-014.0-03.0-P (H232847-04)**

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	06/06/2023	ND	2.22	111	2.00	0.611		
Toluene*	<0.050	0.050	06/06/2023	ND	2.27	113	2.00	0.0513		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.18	109	2.00	0.453		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.81	113	6.00	0.0778		
Total BTEX	<0.300	0.300	06/06/2023	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	48.0	16.0	06/06/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	209	105	200	24.5	
DRO >C10-C28*	<10.0	10.0	06/06/2023	ND	211	106	200	20.9	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-015.0-03.0-P (H232847-05)**

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	06/06/2023	ND	2.22	111	2.00	0.611		
Toluene*	<0.050	0.050	06/06/2023	ND	2.27	113	2.00	0.0513		
Ethylbenzene*	<0.050	0.050	06/06/2023	ND	2.18	109	2.00	0.453		
Total Xylenes*	<0.150	0.150	06/06/2023	ND	6.81	113	6.00	0.0778		
Total BTEx	<0.300	0.300	06/06/2023	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	32.0	16.0	06/06/2023	ND	416	104	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	209	105	200	24.5	
DRO >C10-C28*	<10.0	10.0	06/06/2023	ND	211	106	200	20.9	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-016.0-03.0-P (H232847-06)**

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	06/07/2023	ND	2.22	111	2.00	0.611	
Toluene*	<0.050	0.050	06/07/2023	ND	2.27	113	2.00	0.0513	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.18	109	2.00	0.453	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.81	113	6.00	0.0778	
Total BTEX	<0.300	0.300	06/07/2023	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	32.0	16.0	06/06/2023	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
DRO >C10-C28*	<10.0	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 93.0 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-017.0-03.0-P (H232847-07)**

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	06/07/2023	ND	2.22	111	2.00	0.611	
Toluene*	<0.050	0.050	06/07/2023	ND	2.27	113	2.00	0.0513	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.18	109	2.00	0.453	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.81	113	6.00	0.0778	
Total BTEX	<0.300	0.300	06/07/2023	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	<16.0	16.0	06/06/2023	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
DRO >C10-C28*	<10.0	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-036-04.0-P (H232847-08)**

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	06/07/2023	ND	2.22	111	2.00	0.611	
Toluene*	<0.050	0.050	06/07/2023	ND	2.27	113	2.00	0.0513	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.18	109	2.00	0.453	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.81	113	6.00	0.0778	
Total BTEX	<0.300	0.300	06/07/2023	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	<16.0	16.0	06/06/2023	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
<b>DRO &gt;C10-C28*</b>	<b>11.5</b>	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-037-04.0-P (H232847-09)**

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	06/07/2023	ND	2.22	111	2.00	0.611		
Toluene*	<0.050	0.050	06/07/2023	ND	2.27	113	2.00	0.0513		
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.18	109	2.00	0.453		
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.81	113	6.00	0.0778		
Total BTEX	<0.300	0.300	06/07/2023	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	<16.0	16.0	06/06/2023	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
DRO >C10-C28*	18.5	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 97.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-038-04.0-P (H232847-10)**

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	06/07/2023	ND	2.22	111	2.00	0.611		
Toluene*	<0.050	0.050	06/07/2023	ND	2.27	113	2.00	0.0513		
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.18	109	2.00	0.453		
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.81	113	6.00	0.0778		
Total BTEx	<0.300	0.300	06/07/2023	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	112	16.0	06/06/2023	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
DRO >C10-C28*	21.4	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-039-03.0-P (H232847-11)**

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	06/07/2023	ND	2.22	111	2.00	0.611		
Toluene*	<0.050	0.050	06/07/2023	ND	2.27	113	2.00	0.0513		
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.18	109	2.00	0.453		
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.81	113	6.00	0.0778		
Total BTEX	<0.300	0.300	06/07/2023	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	80.0	16.0	06/06/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
DRO >C10-C28*	<10.0	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-040-03.5-P (H232847-12)**

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	06/07/2023	ND	2.22	111	2.00	0.611		
Toluene*	<0.050	0.050	06/07/2023	ND	2.27	113	2.00	0.0513		
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.18	109	2.00	0.453		
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.81	113	6.00	0.0778		
Total BTEX	<0.300	0.300	06/07/2023	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	224	16.0	06/06/2023	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
DRO >C10-C28*	10.8	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 118 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-041-04.0-P (H232847-13)**

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	06/07/2023	ND	2.22	111	2.00	0.611	
Toluene*	<0.050	0.050	06/07/2023	ND	2.27	113	2.00	0.0513	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.18	109	2.00	0.453	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.81	113	6.00	0.0778	
Total BTEX	<0.300	0.300	06/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	06/06/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
DRO >C10-C28*	218	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	21.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-042-04.0-P (H232847-14)**

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	06/07/2023	ND	2.22	111	2.00	0.611		
Toluene*	<0.050	0.050	06/07/2023	ND	2.27	113	2.00	0.0513		
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.18	109	2.00	0.453		
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.81	113	6.00	0.0778		
Total BTEX	<0.300	0.300	06/07/2023	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	80.0	16.0	06/06/2023	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
DRO >C10-C28*	<10.0	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-043-04.0-P (H232847-15)**

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	06/07/2023	ND	2.22	111	2.00	0.611		
Toluene*	<0.050	0.050	06/07/2023	ND	2.27	113	2.00	0.0513		
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.18	109	2.00	0.453		
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.81	113	6.00	0.0778		
Total BTEx	<0.300	0.300	06/07/2023	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	160	16.0	06/06/2023	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
DRO >C10-C28*	71.9	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-045-05.0-P (H232847-16)**

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	06/07/2023	ND	2.22	111	2.00	0.611	
Toluene*	<0.050	0.050	06/07/2023	ND	2.27	113	2.00	0.0513	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.18	109	2.00	0.453	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.81	113	6.00	0.0778	
Total BTEx	<0.300	0.300	06/07/2023	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	32.0	16.0	06/06/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
DRO >C10-C28*	<10.0	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-046-05.0-P (H232847-17)**

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	06/07/2023	ND	2.22	111	2.00	0.611		
Toluene*	<0.050	0.050	06/07/2023	ND	2.27	113	2.00	0.0513		
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.18	109	2.00	0.453		
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.81	113	6.00	0.0778		
Total BTEx	<0.300	0.300	06/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	06/06/2023	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
DRO >C10-C28*	121	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	15.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 136 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-047-05.0-P (H232847-18)**

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	06/07/2023	ND	2.22	111	2.00	0.611	
Toluene*	<0.050	0.050	06/07/2023	ND	2.27	113	2.00	0.0513	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.18	109	2.00	0.453	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.81	113	6.00	0.0778	
Total BTEX	<0.300	0.300	06/07/2023	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	06/06/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
DRO >C10-C28*	52.4	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-048-04.0-P (H232847-19)**

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	06/07/2023	ND	2.22	111	2.00	0.611		
Toluene*	<0.050	0.050	06/07/2023	ND	2.27	113	2.00	0.0513		
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.18	109	2.00	0.453		
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.81	113	6.00	0.0778		
Total BTEx	<0.300	0.300	06/07/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	06/06/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
DRO >C10-C28*	30.6	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 125 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-049-04.0-P (H232847-20)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTX	<0.300	0.300	06/07/2023	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	32.0	16.0	06/06/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
DRO >C10-C28*	114	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	12.6	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 119 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-051-05.0-P (H232847-21)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTEX	<0.300	0.300	06/07/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	06/06/2023	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
DRO >C10-C28*	23.8	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-053-03.5-P (H232847-22)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTEX	<0.300	0.300	06/07/2023	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	32.0	16.0	06/06/2023	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
DRO >C10-C28*	69.2	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	10.5	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-054-03.0-P (H232847-23)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTX	<0.300	0.300	06/07/2023	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	<16.0	16.0	06/06/2023	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
DRO >C10-C28*	108	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	13.7	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 118 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-055-02.0-P (H232847-24)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTEX	<0.300	0.300	06/07/2023	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	<16.0	16.0	06/06/2023	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/06/2023	ND	184	91.9	200	0.236	
DRO >C10-C28*	21.7	10.0	06/06/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/06/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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: 06/06/2023  
 Reported: 06/09/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/02/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-056-03.0-P (H232847-25)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/07/2023	ND	2.37	119	2.00	2.10	
Toluene*	<0.050	0.050	06/07/2023	ND	2.32	116	2.00	1.75	
Ethylbenzene*	<0.050	0.050	06/07/2023	ND	2.28	114	2.00	1.46	
Total Xylenes*	<0.150	0.150	06/07/2023	ND	6.88	115	6.00	0.746	
Total BTX	<0.300	0.300	06/07/2023	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	06/06/2023	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/07/2023	ND	184	91.9	200	0.236	
<b>DRO &gt;C10-C28*</b>	<b>18.1</b>	10.0	06/07/2023	ND	167	83.7	200	3.97	
EXT DRO >C28-C36	<10.0	10.0	06/07/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 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.
- 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

<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>	
<b>Company Name:</b> Trinity Oilfield Services				<b>BILL TO</b>	
<b>Project Manager:</b> Dan Dunkelberg				<b>P.O. #:</b>	
<b>Address:</b> 8426 N Cal Paso				<b>Company:</b> MEMBOURNE OIL CO.	
<b>City:</b> Hobbs				<b>Attn:</b> CONNOR WALKER	
<b>State:</b> NM <b>Zip:</b> 88241				<b>Address:</b>	
<b>Phone #:</b>				<b>City:</b>	
<b>Fax #:</b>				<b>State:</b>	
<b>Project #:</b>				<b>Zip:</b>	
<b>Project Name:</b> RED HILLS WEST UNIT 010H				<b>Phone #:</b>	
<b>Project Location:</b> Lea Co., NM				<b>Fax #:</b>	
<b>Sampler Name:</b> GM				<b>SAMPLING</b>	
<b>FOR LAB USE ONLY</b>				<b>PRESERV.</b>	
<b>Lab I.D.</b>		<b>Sample I.D.</b>		<b>DATE</b>	
H232847		1		6/2/2023	
2		3		6/2/2023	
3		4		6/2/2023	
4		5		6/2/2023	
5		6		6/2/2023	
6		7		6/2/2023	
7		8		6/2/2023	
8		9		6/2/2023	
9		10		6/2/2023	
10		11		6/2/2023	
11		12		6/2/2023	
12		13		6/2/2023	
13		14		6/2/2023	
14		15		6/2/2023	
15		16		6/2/2023	
16		17		6/2/2023	
17		18		6/2/2023	
18		19		6/2/2023	
19		20		6/2/2023	
20		21		6/2/2023	
21		22		6/2/2023	
22		23		6/2/2023	
23		24		6/2/2023	
24		25		6/2/2023	
25		26		6/2/2023	
26		27		6/2/2023	
27		28		6/2/2023	
28		29		6/2/2023	
29		30		6/2/2023	
30		31		6/2/2023	
31		32		6/2/2023	
32		33		6/2/2023	
33		34		6/2/2023	
34		35		6/2/2023	
35		36		6/2/2023	
36		37		6/2/2023	
37		38		6/2/2023	
38		39		6/2/2023	
39		40		6/2/2023	
40		41		6/2/2023	
41		42		6/2/2023	
42		43		6/2/2023	
43		44		6/2/2023	
44		45		6/2/2023	
45		46		6/2/2023	
46		47		6/2/2023	
47		48		6/2/2023	
48		49		6/2/2023	
49		50		6/2/2023	
50		51		6/2/2023	
51		52		6/2/2023	
52		53		6/2/2023	
53		54		6/2/2023	
54		55		6/2/2023	
55		56		6/2/2023	
56		57		6/2/2023	
57		58		6/2/2023	
58		59		6/2/2023	
59		60		6/2/2023	
60		61		6/2/2023	
61		62		6/2/2023	
62		63		6/2/2023	
63		64		6/2/2023	
64		65		6/2/2023	
65		66		6/2/2023	
66		67		6/2/2023	
67		68		6/2/2023	
68		69		6/2/2023	
69		70		6/2/2023	
70		71		6/2/2023	
71		72		6/2/2023	
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73		74		6/2/2023	
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80		81		6/2/2023	
81		82		6/2/2023	
82		83		6/2/2023	
83		84		6/2/2023	
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91		92		6/2/2023	
92		93		6/2/2023	
93		94		6/2/2023	
94		95		6/2/2023	
95		96		6/2/2023	
96		97		6/2/2023	
97		98		6/2/2023	
98		99		6/2/2023	
99		100		6/2/2023	
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102		103		6/2/2023	
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110		111		6/2/2023	
111		112		6/2/2023	
112		113		6/2/2023	
113		114		6/2/2023	
114		115		6/2/2023	
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127		128		6/2/2023	
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129		130		6/2/2023	
130		131		6/2/2023	
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136		137		6/2/2023	
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151		152		6/2/2023	
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162		163		6/2/2023	
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165		166		6/2/2023	
166		167		6/2/2023	
167		168		6/2/2023	
168		169		6/2/2023	
169		170		6/2/2023	
170		171		6/2/2023	
171		172		6/2/2023	
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173		174		6/2/2023	
174		175		6/2/2023	
175		176		6/2/2023	
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221		222		6/2/2023	
222		223		6/2/2023	
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225		226		6/2/2023	
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227		228		6/2/2023	
228		229		6/2/2023	
229		230		6/2/2023	
230		231		6/2/2023	
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234		235		6/2/2023	
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238		239		6/2/2023	
239		240		6/2/2023	
240		241		6/2/2023	
241		242		6/2/2023	
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247		248		6/2/2023	
248		249		6/2/2023	
249		250		6/2/2023	
250		251		6/2/2023	
251		252		6/2/2023	
252		253		6/2/2023	
253		254		6/2/2023	
254		255		6/2/2023	
255		256		6/2/2023	
256		257		6/2/2023	
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258		259		6/2/2023	
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260		261		6/2/2023	
261		262		6/2/2023	
262		263		6/2/2023	
263		264		6/2/2023	
264		265		6/2/2023	
265		266		6/2/2023	
266		267		6/2/2023	
267		268		6/2/2023	
268		269		6/2/2023	
269		270		6/2/2023	
270		271		6/2/2023	
271		272		6/2/2023	
272		273		6/2/2023	
273		274		6/2/2023	
274		275		6/2/2023	
275		276		6/2/2023	
276		277		6/2/2023	
277		278		6/2/2023	
278		279		6/2/2023	
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280		281		6/2/2023	
281		282		6/2/2023	
282		283		6/2/2023	
283		284		6/	





101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services		BILL TO		ANALYSIS REQUEST	
Project Manager: Dan Dunkelberg		P.O. #:			
Address: 8426 N Dal Paso		Company: MEMBOURNE OIL CO.			
City: Hobbs		Attn: CONNOR WALKER			
State: NM Zip: 88241		Address:			
Phone #: Hobbs		City:			
Project #:		State:		Zip:	
Project Name: RED HILLS WEST UNIT 010H		dan@trinityoilfieldservices.com			
Project Location: Lea Co., NM		Phone #:			
Sampler Name: GM		Fax #:			
FOR LAB USE ONLY		MATRIX		PRESERV.	
Lab I.D. H232847		GROUNDWATER		DATE	
Sample I.D.		WASTEWATER		TIME	
11 CF-039-03.0-P		SOIL		Chloride	
12 CF-040-03.5-P		OIL		TPH	
13 CF-041-04.0-P		SLUDGE		BTEX	
14 CF-042-04.0-P		OTHER			
15 CF-043-04.0-P		ACID/BASE			
16 CF-045-05.0-P		ICE / COOL			
17 CF-046-05.0-P		OTHER :			
18 CF-047-05.0-P					
19 CF-048-04.0-P					
20 CF-049-04.0-P					
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Relinquished By: [Signature]		All Results are emailed. Please provide Email address:		No	
Relinquished By: [Signature]		REMARKS:		Add'l Phone #:	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Impact	
		-6.9		Yes	
		-7.5		No	
		CHECKED BY: (Initials)		Turnaround Time:	
		V.E.		Standard	
		Thermometer ID #113		Rush	
		Correction Factor -0.6 °C		X	
		Bacteria (only) Sample Condition		Cool	
		Intact		Yes	
		Observed Temp. °C		No	
		Corrected Temp. °C		Yes	

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com

Page 30 of 30



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

June 26, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: RED HILLS WEST UNIT #010H

Enclosed are the results of analyses for samples received by the laboratory on 06/20/23 16:45.

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: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-015.0-04.0-S (H233207-01)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2023	ND	2.11	105	2.00	2.66	
Toluene*	<0.050	0.050	06/22/2023	ND	1.98	99.0	2.00	2.93	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	1.98	99.1	2.00	1.73	
Total Xylenes*	<0.150	0.150	06/22/2023	ND	6.03	101	6.00	1.31	
Total BTX	<0.300	0.300	06/22/2023	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	96.0	16.0	06/21/2023	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	06/21/2023	ND	168	84.1	200	2.06	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	146	73.0	200	6.77	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 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: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-016.0-04.0-S (H233207-02)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2023	ND	2.11	105	2.00	2.66	
Toluene*	<0.050	0.050	06/22/2023	ND	1.98	99.0	2.00	2.93	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	1.98	99.1	2.00	1.73	
Total Xylenes*	<0.150	0.150	06/22/2023	ND	6.03	101	6.00	1.31	
Total BTEX	<0.300	0.300	06/22/2023	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	176	16.0	06/21/2023	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	06/21/2023	ND	168	84.1	200	2.06	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	146	73.0	200	6.77	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.0 % 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: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-017.0-04.0-S (H233207-03)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2023	ND	2.11	105	2.00	2.66	
Toluene*	<0.050	0.050	06/22/2023	ND	1.98	99.0	2.00	2.93	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	1.98	99.1	2.00	1.73	
Total Xylenes*	<0.150	0.150	06/22/2023	ND	6.03	101	6.00	1.31	
Total BTEX	<0.300	0.300	06/22/2023	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	176	16.0	06/21/2023	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	06/21/2023	ND	168	84.1	200	2.06	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	146	73.0	200	6.77	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 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: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-018.0-04.0-S (H233207-04)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2023	ND	2.11	105	2.00	2.66	
Toluene*	<0.050	0.050	06/22/2023	ND	1.98	99.0	2.00	2.93	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	1.98	99.1	2.00	1.73	
Total Xylenes*	<0.150	0.150	06/22/2023	ND	6.03	101	6.00	1.31	
Total BTEX	<0.300	0.300	06/22/2023	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	112	16.0	06/21/2023	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	06/21/2023	ND	168	84.1	200	2.06	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	146	73.0	200	6.77	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 103 % 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



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

**Analytical Results For:**

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

Received: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-019.0-04.0-S (H233207-05)**

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	06/22/2023	ND	2.11	105	2.00	2.66		
Toluene*	<0.050	0.050	06/22/2023	ND	1.98	99.0	2.00	2.93		
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	1.98	99.1	2.00	1.73		
Total Xylenes*	<0.150	0.150	06/22/2023	ND	6.03	101	6.00	1.31		
Total BTEX	<0.300	0.300	06/22/2023	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	96.0	16.0	06/21/2023	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	06/21/2023	ND	168	84.1	200	2.06	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	146	73.0	200	6.77	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 104 % 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: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-020.0-04.0-S (H233207-06)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/22/2023	ND	2.11	105	2.00	2.66	
Toluene*	<0.050	0.050	06/22/2023	ND	1.98	99.0	2.00	2.93	
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	1.98	99.1	2.00	1.73	
Total Xylenes*	<0.150	0.150	06/22/2023	ND	6.03	101	6.00	1.31	
Total BTEX	<0.300	0.300	06/22/2023	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	160	16.0	06/21/2023	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	06/21/2023	ND	168	84.1	200	2.06	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	146	73.0	200	6.77	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 83.7 % 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: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-021.0-01.0-S (H233207-07)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.02	101	2.00	5.23	
Toluene*	<0.050	0.050	06/21/2023	ND	1.93	96.4	2.00	5.18	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	1.93	96.5	2.00	4.85	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	5.79	96.5	6.00	5.56	
Total BTEX	<0.300	0.300	06/21/2023	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	1800	16.0	06/21/2023	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	06/21/2023	ND	168	84.1	200	2.06	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	146	73.0	200	6.77	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-022.0-01.0-S (H233207-08)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2023	ND	2.02	101	2.00	5.23		
Toluene*	<0.050	0.050	06/21/2023	ND	1.93	96.4	2.00	5.18		
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	1.93	96.5	2.00	4.85		
Total Xylenes*	<0.150	0.150	06/21/2023	ND	5.79	96.5	6.00	5.56		
Total BTEX	<0.300	0.300	06/21/2023	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	1760	16.0	06/21/2023	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	06/21/2023	ND	168	84.1	200	2.06	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	146	73.0	200	6.77	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-023.0-01.0-S (H233207-09)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.02	101	2.00	5.23	
Toluene*	<0.050	0.050	06/21/2023	ND	1.93	96.4	2.00	5.18	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	1.93	96.5	2.00	4.85	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	5.79	96.5	6.00	5.56	
Total BTEX	<0.300	0.300	06/21/2023	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	608	16.0	06/21/2023	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	06/21/2023	ND	168	84.1	200	2.06	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	146	73.0	200	6.77	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 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: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-024.0-01.0-S (H233207-10)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2023	ND	2.02	101	2.00	5.23		
Toluene*	<0.050	0.050	06/21/2023	ND	1.93	96.4	2.00	5.18		
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	1.93	96.5	2.00	4.85		
Total Xylenes*	<0.150	0.150	06/21/2023	ND	5.79	96.5	6.00	5.56		
Total BTEX	<0.300	0.300	06/21/2023	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	528	16.0	06/21/2023	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	06/21/2023	ND	168	84.1	200	2.06	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	146	73.0	200	6.77	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-025.0-01.0-S (H233207-11)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.02	101	2.00	5.23	
Toluene*	<0.050	0.050	06/21/2023	ND	1.93	96.4	2.00	5.18	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	1.93	96.5	2.00	4.85	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	5.79	96.5	6.00	5.56	
Total BTEX	<0.300	0.300	06/21/2023	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	480	16.0	06/21/2023	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	06/21/2023	ND	168	84.1	200	2.06	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	146	73.0	200	6.77	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 101 % 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: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-026.0-01.0-S (H233207-12)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2023	ND	2.02	101	2.00	5.23		
Toluene*	<0.050	0.050	06/21/2023	ND	1.93	96.4	2.00	5.18		
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	1.93	96.5	2.00	4.85		
Total Xylenes*	<0.150	0.150	06/21/2023	ND	5.79	96.5	6.00	5.56		
Total BTEX	<0.300	0.300	06/21/2023	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	512	16.0	06/21/2023	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	06/21/2023	ND	168	84.1	200	2.06	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	146	73.0	200	6.77	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-041.0-04.5-S (H233207-13)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.02	101	2.00	5.23	
Toluene*	<0.050	0.050	06/21/2023	ND	1.93	96.4	2.00	5.18	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	1.93	96.5	2.00	4.85	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	5.79	96.5	6.00	5.56	
Total BTEX	<0.300	0.300	06/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	160	16.0	06/21/2023	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	06/21/2023	ND	168	84.1	200	2.06	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	146	73.0	200	6.77	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-049.0-04.5-S (H233207-14)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2023	ND	2.02	101	2.00	5.23		
Toluene*	<0.050	0.050	06/21/2023	ND	1.93	96.4	2.00	5.18		
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	1.93	96.5	2.00	4.85		
Total Xylenes*	<0.150	0.150	06/21/2023	ND	5.79	96.5	6.00	5.56		
Total BTEX	<0.300	0.300	06/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 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	06/21/2023	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	06/21/2023	ND	168	84.1	200	2.06	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	146	73.0	200	6.77	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-046.0-06.0-S (H233207-15)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.02	101	2.00	5.23	
Toluene*	<0.050	0.050	06/21/2023	ND	1.93	96.4	2.00	5.18	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	1.93	96.5	2.00	4.85	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	5.79	96.5	6.00	5.56	
Total BTEX	<0.300	0.300	06/21/2023	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	144	16.0	06/21/2023	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	06/21/2023	ND	168	84.1	200	2.06	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	146	73.0	200	6.77	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CF-054.0-03.5-S (H233207-16)**

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2023	ND	2.02	101	2.00	5.23		
Toluene*	<0.050	0.050	06/21/2023	ND	1.93	96.4	2.00	5.18		
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	1.93	96.5	2.00	4.85		
Total Xylenes*	<0.150	0.150	06/21/2023	ND	5.79	96.5	6.00	5.56		
Total BTEX	<0.300	0.300	06/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/21/2023	ND	416	104	400	3.77		

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	06/21/2023	ND	168	84.1	200	2.06	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	146	73.0	200	6.77	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 151 % 48.2-134

Surrogate: 1-Chlorooctadecane 150 % 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: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-018.0-00.5-S (H233207-17)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2023	ND	2.44	122	2.00	1.60		
Toluene*	<0.050	0.050	06/22/2023	ND	2.23	111	2.00	1.37		
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	2.18	109	2.00	1.84		
Total Xylenes*	<0.150	0.150	06/22/2023	ND	6.40	107	6.00	2.01		
Total BTEX	<0.300	0.300	06/22/2023	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	128	16.0	06/21/2023	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	06/21/2023	ND	177	88.3	200	3.03	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	186	93.0	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 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: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-019.0-02.0-S (H233207-18)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2023	ND	2.44	122	2.00	1.60		
Toluene*	<0.050	0.050	06/22/2023	ND	2.23	111	2.00	1.37		
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	2.18	109	2.00	1.84		
Total Xylenes*	<0.150	0.150	06/22/2023	ND	6.40	107	6.00	2.01		
Total BTEX	<0.300	0.300	06/22/2023	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	160	16.0	06/21/2023	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	06/21/2023	ND	177	88.3	200	3.03	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	186	93.0	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 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: 06/20/2023  
 Reported: 06/26/2023  
 Project Name: RED HILLS WEST UNIT #010H  
 Project Number: NOT GIVEN  
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 06/20/2023  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: CW-020.0-02.0-S (H233207-19)**

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/22/2023	ND	2.44	122	2.00	1.60		
Toluene*	<0.050	0.050	06/22/2023	ND	2.23	111	2.00	1.37		
Ethylbenzene*	<0.050	0.050	06/22/2023	ND	2.18	109	2.00	1.84		
Total Xylenes*	<0.150	0.150	06/22/2023	ND	6.40	107	6.00	2.01		
Total BTEX	<0.300	0.300	06/22/2023	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	1650	16.0	06/21/2023	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	06/21/2023	ND	177	88.3	200	3.03	
DRO >C10-C28*	<10.0	10.0	06/21/2023	ND	186	93.0	200	5.01	
EXT DRO >C28-C36	<10.0	10.0	06/21/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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.
- 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 22 of 23

Page 23 of 23

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS  
  
Action 347792

QUESTIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:
	14744
	Action Number: 347792
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2304133508
Incident Name	NAPP2304133508 RED HILLS WEST UNIT #010H BATTERY @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received

Location of Release Source

Please answer all the questions in this group.

Site Name	RED HILLS WEST UNIT #010H BATTERY
Date Release Discovered	01/28/2023
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   Separator   Crude Oil   Released: 45 BBL   Recovered: 35 BBL   Lost: 10 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Separator   Produced Water   Released: 45 BBL   Recovered: 35 BBL   Lost: 10 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
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.



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QUESTIONS, Page 2

Action 347792

**QUESTIONS (continued)**

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:	14744
	Action Number:	347792
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

**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>Yes</b>
Reasons why this would be considered a submission for a notification of a major release	<b>From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.</b>
<i>With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.</i>	

**Initial Response**

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.*

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

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

I hereby agree and sign off to the above statement	Name: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 05/24/2024
--	---

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QUESTIONS, Page 3

Action 347792

**QUESTIONS (continued)**

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:	14744
	Action Number:	347792
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Estimate or Other
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	Between ½ and 1 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 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 ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Between 1000 (ft.) and ½ (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 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
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)	15200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	40690
GRO+DRO (EPA SW-846 Method 8015M)	37210
BTEX (EPA SW-846 Method 8021B or 8260B)	217
Benzene (EPA SW-846 Method 8021B or 8260B)	0.3

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	02/21/2023
On what date will (or did) the final sampling or liner inspection occur	02/21/2023
On what date will (or was) the remediation complete(d)	04/06/2023
What is the estimated surface area (in square feet) that will be reclaimed	13292
What is the estimated volume (in cubic yards) that will be reclaimed	1165
What is the estimated surface area (in square feet) that will be remediated	13292
What is the estimated volume (in cubic yards) that will be remediated	1165

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 347792

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:	14744
	Action Number:	347792
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

<b>Remediation Plan (continued)</b>	
<i>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.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(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	OWL LANDFILL JAL [fJEG1635837366]
<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.
<i>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>	
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: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 05/24/2024
<i>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.</i>	

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QUESTIONS, Page 5

Action 347792

**QUESTIONS (continued)**

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID:	14744
	Action Number:	347792
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

**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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Production separation equipment and piping between various vessels would have to be deconstructed.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	2950
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	328
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	RED HILLS WEST UNIT #010H BATTERY [fAPP2125629965]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
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: Connor Walker Title: Senior Engineer Email: cwalker@mewbourne.com Date: 05/24/2024

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Action 347792

QUESTIONS (continued)

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 347792
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

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	No

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CONDITIONS

Action 347792

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 347792
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Deferral approved. Deferral of the area inside of CW-001, CW-002 and CW-020 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time.	6/17/2024