Received by OCD: 2/6/2023 3:09:18 PM Form C-141 State of New Mexico

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Oil Conservation Division

	1 450 1 0 1
Incident ID	NAPP2219452897
District RP	
Facility ID	
Application ID	

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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>&gt;170</u> (ft bgs)
Did this release impact groundwater or surface water?	🗌 Yes 🔽 No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	🗌 Yes 🛛 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)?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	🗌 Yes 🛛 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?	🗌 Yes 🛛 No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	🗌 Yes 🔽 No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	🗌 Yes 🛛 No
Are the lateral extents of the release within 300 feet of a wetland?	🗌 Yes 🔽 No
Are the lateral extents of the release overlying a subsurface mine?	🗌 Yes 🔽 No
Are the lateral extents of the release overlying an unstable area such as karst geology?	🗌 Yes 🔽 No
Are the lateral extents of the release within a 100-year floodplain?	🗌 Yes 🔽 No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	🗹 Yes 🗌 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
- $\overline{\nabla}$  Data table of soil contaminant concentration data
- $\checkmark$  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.

Received by OCD: 2/6/2	023 3:09:18 PM State of New Mexi			Page 2 of 230
			Incident ID	NAPP2219452897
Page 4	Oil Conservation Division	/1S10n	District RP	
			Facility ID	
			Application ID	
regulations all operators a public health or the envir failed to adequately invest	Alalh	ease notifications and perfo t by the OCD does not relie ose a threat to groundwater, erator of responsibility for o	orm corrective actions for releve the operator of liability sho surface water, human health compliance with any other fee ngineer	ases which may endanger ould their operations have or the environment. In
OCD Only Received by:	Jocelyn Harimon	Date:	02/06/2023	

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Oil Conservation Division

Incident ID	NAPP2219452897
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## Closure

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

Closure Report Attachment Checklist: Each of the following items must be included in the closure report. A scaled site and sampling diagram as described in 19.15.29.11 NMAC Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection) Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling) Description of remediation activities I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete. 

 Printed Name:
 Connor Walker
 Title:
 Sr. Engineer

 Signature:
 Oz/06/2023
 Date:
 02/06/2023

 Telephone: 806-202-5281 email: cwalker@mewbourne.com **OCD Only** Jocelyn Harimon Received by: Date: 02/06/2023 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:
 Jennifer Nobui
 02/22/2023

 Printed Name:
 Jennifer Nobui
 Title:

 Environmental S

 Title: Environmental Specialist A

## Trinity Oilfield Services & Rentals, LLC



January 18th, 2023

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

## Re: Closure Report Antelope Ridge CDP Booster Tracking #: NAPP2219452897

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	NAPP2219452897	
Site Name	Antelope Ridge CDP Booster	
Company	Mewbourne Oil Co	
County	Lea	
ULSTR	N-09-24S-34E	
GPS Coordinates (NAD 83)	32.226206, -103.476077	
Landowner	Private	

## **RELEASE BACKGROUND**

On 7/13/2022, Mewbourne Oil Co reported a release at the Antelope Ridge CDP Booster. The release was caused when a poly riser developed a small crack. Approximately 11,724 sqft. of the Pasture was found to be damp upon initial inspection.

Release Information		
Date of Release	06/30/2022	
Type of Release	Produced Water	
Source of Release	Equipment Failure	
Volume Released – Produced Water	136 bbls	
Volume Recovered – Produced Water	80 bbls	
Volume Released – Crude Oil	0 bbls	
Volume Recovered – Crude Oil	0 bbls	
Affected Area – Damp Soil	Pasture - Approximately 11,724 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 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	Low	
Distance to Watercourse	> 1000 ft. (5,489.39 ft. to Wetland)	
Within 100 yr Floodplain	No	
Pasture Impact	Yes	

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

## **Closure Criteria:**

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

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

## INITIAL ASSESSMENT AND REMEDIATION ACTIVITIES

## **Initial Sample Activities:**

Delineation Summary		
Delineation Dates	10/27/2022 - 11/17/2022	
Depths Sampled	Surface - 7'	
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:**

Remediation Summary		
Remediation Dates	11/01/2022 - 12/06/2022	
Confirmation Sample Notification	10/31/2022	
Liner Variance Request	None	
Deferral Request	None	
Depths Excavated	6" - 11'	
Area Represented by the required 5-point Confirmation Samples – Floors and Walls	200 sqft.	
Total Volume of Excavated Soil	1,129 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. The floors of the excavated area were advanced until laboratory analytical results from confirmation soil samples indicate Chloride, Benzene, BTEX, and TPH concentrations are below the NMOCD Closure Criteria listed in the Table above, and all 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 Land Owner 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

Dan Dunkelberg Project Manager



Cynthia Jordan <cynthia@trinityoilfieldservices.com>

# Confirmation Sample Notification - NAPP2219452897 ANTELOPE RIDGE CDP BOOSTER

Dan Dunkelberg <dan@trinityoilfieldservices.com>

Mon, Oct 31, 2022 at 8:33 AM

To: OCD.Enviro@emnrd.nm.gov Cc: Josh Halcomb <josh@trinityoilfieldservices.com>, Michael Ferrell <m.ferrell@trinityoilfieldservices.com> Bcc: cynthia@trinityoilfieldservices.com

This is a notification that Trinity Oilfield Services will conduct confirmation sampling on behalf of Mewbourne Oil Co. at the above referenced site on Wednesday, November 2, 2022 at 8:00 a.m.

Dan Dunkelberg Environmental Manager



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

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



	•		1	-				1				
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	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)
Delineation Special cir	rcumstances	s, On-Site, & I	Deeper than	4' Pasture	600	2500	1000	NE	NE	NE	50	10
NMOCD Delineation Limits Pasture to 4' & Walls					600	100	NE	NE	NE	NE	50	10
	T	1			Vertical Delin							
SP-001-00.0-V-P	0	10/27/2022	Grab	Excavated	1,480.00	37.00	21.30	<10.0	21.30	15.70	<0.300	<0.050
SP-001-01.0-V-P	1	10/27/2022	Grab	In-Situ	192.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-002-00.0-V-P	0	10/27/2022	Grab	Excavated	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-002-01.0-V-P	1	10/27/2022	Grab	In-Situ	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-003-00.0-V-P	0	10/27/2022	Grab	Excavated	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-003-01.0-V-P	1	10/27/2022	Grab	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-004-00.0-V-P	0	10/27/2022	Grab	Excavated	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-004-01.0-V-P	1	10/27/2022	Grab	In-Situ	96.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-005-00.0-V-P	0	10/27/2022	Grab	Excavated	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-005-01.0-V-P	1	10/27/2022	Grab	Excavated	1,230.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-005-02.0-V-P	2	10/27/2022	Grab	In-Situ	368.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-006-00.0-V-P	0	10/27/2022	Grab	Excavated	80.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-006-01.0-V-P	1	10/27/2022	Grab	Excavated	224.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-006-02.0-V-P	2	10/27/2022	Grab	Excavated	336.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-006-03.0-V-P	3	10/27/2022	Grab	Excavated	400.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-006-04.0-V-P	4	10/27/2022	Grab	Excavated	816.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-006-06.0-V-P	6	10/27/2022	Grab	In-Situ	176.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-007-00.0-V-P	0	10/27/2022	Grab	Excavated	112.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-007-01.0-V-P	1	10/27/2022	Grab	Excavated	1,410.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-007-02.0-V-P	2	10/27/2022	Grab	Excavated	608.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-007-03.0-V-P	3	10/27/2022	Grab	Excavated	1,060.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-007-04.0-V-P	4	11/10/2022	Grab	In-Situ	304.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-008-02.0-V-P	2	12/6/2022	Grab	In-Situ	192.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050

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



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	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)
Delineation Special cir	rcumstances	, On-Site, & I	Deeper than	4' Pasture	600	2500	1000	NE	NE	NE	50	10
NMOCD Delineation Limits Pasture to 4' & Walls					600	100	NE	NE	NE	NE	50	10
SP-009-00.0-V-P	0	10/27/2022	Grab	Excavated	6,480.00	14.10	14.10	<10.0	14.10	<10.0	<0.300	<0.050
SP-009-04.0-V-P	4	10/27/2022	Grab	Excavated	1,920.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-009-07.0-V-P	7	10/27/2022	Grab	Excavated	1,880.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-009-10.0-V-P	10	11/29/2022	Grab	In-Situ	208.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
	-				Horizontal Del	ineation						
SP-001-01.0-HN-P	1	11/1/2022	Grab	In-Situ	192.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-001-01.0-HS-P	1	10/28/2022	Grab	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-002-01.0-HN-P	1	10/28/2022	Grab	In-Situ	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-002-01.0-HS-P	1	10/28/2022	Grab	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-003-01.0-HN-P	1	10/28/2022	Grab	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-003-01.0-HS-P	1	10/28/2022	Grab	In-Situ	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-004-01.0-HN-P	1	10/28/2022	Grab	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-004-01.0-HS-P	1	10/28/2022	Grab	In-Situ	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-005-01.0-HN-P	1	10/28/2022	Grab	In-Situ	48.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-005-01.0-HS-P	1	10/28/2022	Grab	In-Situ	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-006-01.0-HN-P	1	10/28/2022	Grab	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-006-01.0-HS-P	1	10/28/2022	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-007-01.0-HE-P	1	10/28/2022	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-007-01.0-HN-P	1	10/28/2022	Grab	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-007-01.0-HS-P	1	10/28/2022	Grab	In-Situ	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-008-01.0-HN-P	1	11/1/2022	Grab	In-Situ	80.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-008-01.0-HS-P	1	11/17/2022	Grab	In-Situ	192.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-009-01.0-HN-P	1	11/17/2022	Grab	In-Situ	336.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-009-01.0-HS-P	1	11/17/2022	Grab	In-Situ	128.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050

TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL
MEWBOURNE OIL CO.
ANTELOPE RIDGE CDP BOOSTER
COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2219452897



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	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)
Delineation Special cir	cumstances	, On-Site, & I	Deeper than	4' Pasture	600	2500	1000	NE	NE	NE	50	10
NMOCD Delineation Limits Pasture to 4' & Walls					600	100	NE	NE	NE	NE	50	10
SP-009-01.0-HW-P	1	11/17/2022	Grab	In-Situ	96.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050

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Received by OCD: 2/6/2023 3:09:18 PM

			CONCENTR	ATIONS OF	TABLE BENZENE, B		& CHLORIE	DE IN SOIL				
MEWBOURNE OIL CO. ANTELOPE RIDGE CDP BOOSTER COUNTY, NEW MEXICO NMOCD REFERENCE #: NAPP2219452897												
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	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)
		sure Limits Pa	ad		600	100	NE	NE	NE	NE	50	10
NMOCD	Closure Limi	its Pasture to	4' & Walls		600	100	NE	NE	NE	NE	50	10
					Remediation	Floors						
CF-001-06.0-NA-P	6	11/9/2022	Composite	In-Situ	320.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-002-01.0-NA-P	1	11/1/2022	Composite	In-Situ	272.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-003-01.0-NA-P	1	11/1/2022	Composite	In-Situ	224.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-004-01.0-NA-P	1	11/1/2022	Composite	In-Situ	384.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-005-01.0-NA-P	1	11/3/2022	Composite	In-Situ	192.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-006-01.0-NA-P	1	11/3/2022	Composite	In-Situ	240.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-007-01.0-NA-P	1	11/3/2022	Composite	In-Situ	208.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-008-01.0-NA-P	1	11/3/2022	Composite	In-Situ	64.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-009-01.0-NA-P	1	11/3/2022	Composite	In-Situ	48.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-010-09.5-NA-P	9.5	11/9/2022	Composite	In-Situ	336.00	11.30	11.30	<10.0	11.30	<10.0	<0.300	<0.050
CF-011-01.0-NA-P	1	11/3/2022	Composite	In-Situ	48.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-012-00.5-NA-P	0.5	11/3/2022	Composite	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-013-00.5-NA-P	0.5	11/3/2022	Composite	In-Situ	64.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-014-00.5-NA-P	0.5	11/3/2022	Composite	In-Situ	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-015-00.5-NA-P	0.5	11/3/2022	Composite	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-016-00.5-NA-P	0.5	11/3/2022	Composite	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-017-00.5-NA-P	0.5	11/3/2022	Composite	In-Situ	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-018-00.5-NA-P	0.5	11/9/2022	Composite	In-Situ	48.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-019-00.5-NA-P	0.5	11/9/2022	Composite	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-020-00.5-NA-P	0.5	11/9/2022	Composite	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-021-00.5-NA-P	0.5	11/9/2022	Composite	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-022-00.5-NA-P	0.5	11/9/2022	Composite	In-Situ	48.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-023-00.5-NA-P	0.5	11/9/2022	Composite	In-Situ	32.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050

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



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	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 Clos	sure Limits Pa	ad		600	100	NE	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4' & Walls				600	100	NE	NE	NE	NE	50	10	
CF-024-00.5-NA-P	0.5	11/9/2022	Composite	In-Situ	48.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-025-00.5-NA-P	0.5	11/9/2022	Composite	In-Situ	112.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-026-00.5-NA-P	0.5	11/9/2022	Composite	In-Situ	16.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-027-00.5-NA-P	0.5	11/10/2022	Composite	In-Situ	128.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-028-00.5-NA-P	0.5	11/10/2022	Composite	In-Situ	272.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-029-00.5-NA-P	0.5	11/10/2022	Composite	In-Situ	80.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-030-00.5-NA-P	0.5	11/10/2022	Composite	In-Situ	192.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-031-00.5-NA-P	0.5	11/10/2022	Composite	In-Situ	128.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-032-00.5-NA-P	0.5	11/10/2022	Composite	In-Situ	80.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-033-00.5-NA-P	0.5	11/10/2022	Composite	In-Situ	96.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-034-00.5-NA-P	0.5	11/10/2022	Composite	In-Situ	128.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-035-02.0-NA-P	2	11/10/2022	Composite	In-Situ	304.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-036-02.0-NA-P	2	11/10/2022	Composite	In-Situ	304.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-037-02.0-NA-P	2	11/17/2022	Composite	Excavated	816.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-037-03.0	3	12/2/2022	Composite	In-Situ	304.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-038-02.0-NA-P	2	11/17/2022	Composite	Excavated	656.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-038-03.0	3	12/2/2022	Composite	In-Situ	352.00	<10.0	<10.0	<10.0	<10.0	<10.0	0.37	0.06
CF-039-11.0-NA-P	11	11/17/2022	Composite	In-Situ	400.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-040-05.0-NA-P	5	11/17/2022	Composite	In-Situ	272.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-041-10.0-NA-P	10	11/29/2022	Composite	In-Situ	192.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-042-03.0-NA-P	3	12/6/2022	Composite	In-Situ	112.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-043-03.0-NA-P	3	12/6/2022	Composite	In-Situ	128.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-044-03.0-NA-P	3	12/6/2022	Composite	In-Situ	192.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-045-03.0-NA-P	3	12/6/2022	Composite	In-Situ	160.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050

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



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	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 Clos	sure Limits Pa	ad		600	100	NE	NE	NE	NE	50	10
NMOCD	Closure Limi	its Pasture to	4' & Walls		600	100	NE	NE	NE	NE	50	10
CF-046-03.0-NA-P	3	12/7/2022	Composite	In-Situ	160.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-047-02.0-NA-P	2	12/7/2022	Composite	In-Situ	432.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-048-02.0-NA-P	2	12/7/2022	Composite	In-Situ	272.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-049-02.0-NA-P	2	12/7/2022	Composite	In-Situ	160.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-050-02.0-NA-P	2	12/7/2022	Composite	In-Situ	144.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-051-02.0-NA-P	2	12/7/2022	Composite	In-Situ	192.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-052-02.0-NA-P	2	12/7/2022	Composite	In-Situ	144.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-053-03.0-NA-P	3	12/7/2022	Composite	In-Situ	336.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-054-03.0-NA-P	3	12/7/2022	Composite	In-Situ	432.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-055-03.0-NA-P	3	12/7/2022	Composite	In-Situ	272.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-056-05.0-NA-P	5	12/7/2022	Composite	In-Situ	400.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-057-08.0-NA-P	8	12/7/2022	Composite	Excavated	624.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-057-09.0	9	12/16/2022	Composite	In-Situ	192.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-058-08.0-NA-P	8	12/7/2022	Composite	In-Situ	320.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-059-09.0-NA-P	9	12/7/2022	Composite	In-Situ	352.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-060-08.0-NA-P	8	12/9/2022	Composite	In-Situ	528.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-061-08.0-NA-P	8	12/9/2022	Composite	In-Situ	272.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-062-04.0-NA-P	4	12/9/2022	Composite	In-Situ	336.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-063-04.0-NA-P	4	12/9/2022	Composite	In-Situ	400.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
					Remediation	n Walls						
CW-001-00.5-NA-P	0.5	12/1/2022	Composite	In-Situ	320.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CW-002-00.5-NA-P	0.5	12/1/2022	Composite	In-Situ	80.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CW-003-04.0-NA-P	4	12/6/2022	Composite	In-Situ	208.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CW-004-03.0-NA-P	3	12/1/2022	Composite	In-Situ	304.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050

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





























**Pasture:** 

































*Received by OCD: 2/6/2023 3:09:18 PM* 



## **NEW MEXICO OFFICE OF THE STATE ENGINEER** APPLICATION FOR PERMIT TO DRILL A WELL WITH NO CONSUMPTIVE USE OF WATER (check applicable box): e196 For fees, see State Engineer website: http://www.ose.state.nm.us/ Purpose: Pollution Control And / Or Recovery Geo-Thermal Exploratory Construction Site De-Watering Other (Describe): Monitoring Mineral De-Watering A separate permit will be required to apply water to beneficial use. Temporary Request - Requested Start Date: Requested End Date: Plugging Plan of Operations Submitted? 🛛 No

### 1. APPLICANT(S)

Name: Mr. Bryce Karger		Name:	
Contact or Agent: check here if	Agent 🗌	Contact or Agent:	check here if Agent
Robert H. Holder			
Mailing Address: 4222 85th St.		Mailing Address:	
City: Lubbock		City:	
State: Zip Code: 7	9423	State:	Zip Code:
Phone:  Home  Home  Home  Work): 806-473-3526	] Cell	Phone: Phone (Work):	Home Cell
E-mail (optional): hholder@team-psc.	com	E-mail (optional):	2008 SUA
	FOR OSE INTERNA	AL USE	Application for Permit, Form w 07, Rev 4/12/12
ſ	File Number: 2	2907	Trn Number: 5740
~	Trans Description (o	<b>X</b>	
-	Sub-Basin:	<u> </u>	
	PCW/LOG Due Date	a: 8/15/16	· · · · · · · · · · · · · · · · · · ·
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2. WELL(S) Describe the well(s) applicable to this application.

<ul> <li>NM State Plane (NAD83)</li> <li>NM West Zone</li> <li>NM East Zone</li> <li>NM Central Zone</li> </ul>		JTM (NAD83) (Met ]Zone 12N ]Zone 13N	ters) X Lat/Long (WGS8 1/10 <sup>th</sup> of second)	4) (to the nearest
Well Number (if known):	X or Easting or Longitude:	Y or Northing or Latitude:	Provide if known: -Public Land Survey System (PLSS) (Quarters or Halves, Section, Towns - Hydrographic Survey Map & Tract; C - Lot, Block & Subdivision; OR - Land Grant Name	
S8-BH-03	W103 <sup>0</sup> 29'30.86"	N032 14'09.18	" Sec. 8, T24, R34	
S9-BH-03	W103 <sup>0</sup> 28'29.39"	N032 14'09.06	" Sec.9, T24, R34	
S14-BH-03	W103 <sup>0</sup> 26'26.55"	N032 13'16.53	<sup>3"</sup> Sec.14, T24, R34	
S15-BH-03	₩103 <sup>0</sup> 27'28.01"	N032 13'16.68	" Sec.15, T24, R34	
Additional well description Other description relating wel	s are attached: [] ` Il to common landmark	Yes DNo	m WR-08 (Attachment 1 – POD Descriptic If yes, how many	ns)
Well is on land owned by: M			scribed, provide attachment. Attached?	
		in needs to be dea	schoed, provide attachment. Attached :	
If yes, how many	et): 170 feet		Outside diameter of well casing (inches):6 -	inch(not case
			Driller License Number: WD-1731	
Approximate depth of well (fe	oper			
If yes, how many Approximate depth of well (fe Driller Name: Kenny Co ADDITIONAL STATEMENTS		¥		STATE 1 SUSSINE

FOR OSE INTERNAL USE

Application for Permit, Form wr-07





4. SPECIFIC REQUIREMENTS: The applicant must include the following, as applicable to each well type. Please check the appropriate boxes, to indicate the information has been included and/or attached to this application:

Exploratory:	Pollution Control and/or Recovery:	Construction De-Watering:	Mine De-Watering:
description of	control/recovery, that includes the	Include a description of the	control/recovery, that includes the following
any proposed	following:	proposed dewatering	A description of the need for mine
pump test, if	A description of the need for the	operation,	dewatering.
applicable.	pollution control or recovery operation.	The estimated duration of the operation,	The estimated maximum period of time for completion of the operation.
	time for completion of the operation.	The maximum amount of	The source(s) of the water to be diverted
lee	The annual diversion amount.	water to be diverted.	The geohydrologic characteristics of the
ttachment	The annual consumptive use	A description of the need	aquifer(s).
L	amount.	for the dewatering operation,	The maximum amount of water to be
	The maximum amount of water to be	and,	diverted per annum.
	diverted and injected for the duration of	A description of how the	The maximum amount of water to be
	the operation.  The method and place of discharge.	diverted water will be disposed of.	diverted for the duration of the operation.
Monitoring:	The method of measurement of	Geo-Thermal:	The method of measurement of water
Include the	water produced and discharged.	Include a description of the	diverted.
reason for the	The source of water to be injected.	geothermal heat exchange	The recharge of water to the aquifer.
monitoring	The method of measurement of	project,	Description of the estimated area of
well, and,	water injected.	The amount of water to be	hydrologic effect of the project.
	The characteristics of the aquifer.	diverted and re-injected for the	The method and place of discharge.
duration of the planned	The method of determining the resulting annual consumptive use of	project,	water rights and underground water rights
nonitoring.	water and depletion from any related	constructing the geothermal	from the mine dewatering project.
normornig.	stream system.	heat exchange project, and	A description of the methods employed t
	Proof of any permit required from the	The duration of the project.	estimate effects on surface water rights and
	New Mexico Environment Department.	Preliminary surveys, design	underground water rights.
	An access agreement if the	data, and additional	☐ Information on existing wells, rivers,
	applicant is not the owner of the land on	information shall be included to	springs, and wetlands within the area of
	applicant is not the owner of the land on which the pollution plume control or recovery well is to be located.	provide all essential facts relating to the request.	hydrologic effect.
	which the pollution plume control or recovery well is to be located.	provide all essential facts relating to the request.	hydrologic effect.
, We (name of a	which the pollution plume control or recovery well is to be located.	provide all essential facts relating to the request.	hydrologic effect.
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	which the pollution plume control or recovery well is to be located. Accupplicant(s)), Robert	provide all essential facts relating to the request. CKNOWLEDGEMENT Holly Holds rint Name(s) (my, our) knowledge and belief.	hydrologic effect.
	which the pollution plume control or recovery well is to be located. Add applicant(s)), Pregoing statements are true to the best of the best of the best of the be	provide all essential facts relating to the request. CKNOWLEDGEMENT How How How And	hydrologic effect.
	which the pollution plume control or recovery well is to be located. Add applicant(s)), Pregoing statements are true to the best of the best of the best of the be	provide all essential facts relating to the request. CKNOWLEDGEMENT Hold Hold Hold Hold Hold (my, our) knowledge and belief. Applicant Signature OF THE STATE ENGINEER	hydrologic effect.
i, We (name of a	which the pollution plume control or recovery well is to be located.	provide all essential facts relating to the request. <b>CKNOWLEDGEMENT</b> Hall, Hald and rint Name(s) (my, our) knowledge and belief. Applicant Signature <b>OF THE STATE ENGINEER</b> This application is:	hydrologic effect.
Applicant Signat	which the pollution plume control or recovery well is to be located.	provide all essential facts relating to the request.	hydrologic effect.
affirm that the fo Applicant Signat	which the pollution plume control or recovery well is to be located.	provide all essential facts relating to the request. <b>CKNOWLEDGEMENT</b> Hall Hall Hall A. (my, our) knowledge and belief. (my, our) knowledge and belief. Applicant Signature <b>OF THE STATE ENGINEER</b> This application is: [] partially approved [] having existing rights, and is not complete the second seco	hydrologic effect.
Applicant Signat	which the pollution plume control or recovery well is to be located.	provide all essential facts relating to the request. CKNOWLEDGEMENT How How How How How How How How How How	hydrologic effect.
affirm that the for Applicant Signal provided it is no Mexico nor det Vitness my hand	which the pollution plume control or recovery well is to be located.	provide all essential facts relating to the request.	hydrologic effect.
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affirm that the for Applicant Signat Provided it is m Mexico nor det Vitness my hand Tom B1a	which the pollution plume control or recovery well is to be located.	provide all essential facts relating to the request.	hydrologic effect.

FOR OSE INTERNAL USE	Application for Permit, Form wr-07
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#### NEW MEXICO STATE ENGINEER OFFICE PERMIT TO EXPLORE

#### SPECIFIC CONDITIONS OF APPROVAL

- 1A Depth of the well shall not exceed the thickness of the valley fill.
- 4 No water shall be appropriated and beneficially used under this permit.
- 6 The well shall be plugged upon completion of the permitted use, and a plugging report shall be filed with the State Engineer within 10 days.
- 7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated.
- C Driller's well record must be filed with the State Engineer within 20 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.
- C2 No water shall be diverted from this well except for testing purposes which shall not exceed ten (10) cumulative days, and well shall be plugged or capped on or before, unless a permit to use water from this well is acquired from the Office of the State Engineer.
- G If artesian water is encountered, all rules and regulations pertaining to the drilling and casing of artesian wells shall be complied with.

Trn Desc: <u>C 03902</u>

File Number: <u>C 03902</u> Trn Number: <u>574028</u>

page: 1

#### NEW MEXICO STATE ENGINEER OFFICE PERMIT TO EXPLORE

#### SPECIFIC CONDITIONS OF APPROVAL (Continued)

- P The well shall be constructed, maintained, and operated to prevent inter-aquifer exchange of water and to prevent loss of hydraulic head between geologic zones.
- LOG The Point of Diversion C 03902 POD1 must be completed and the Well Log filed on or before 08/17/2016.
- LOG The Point of Diversion C 03902 POD2 must be completed and the Well Log filed on or before 08/17/2016.
- LOG The Point of Diversion C 03902 POD3 must be completed and the Well Log filed on or before 08/17/2016.
- LOG The Point of Diversion C 03902 POD4 must be completed and the Well Log filed on or before 08/17/2016.

#### ACTION OF STATE ENGINEER

Notice of Intention Rcvd:		Date Rcvd. Corrected:
Formal Application Rcvd:	08/17/2015	Pub. of Notice Ordered:
Date Returned - Correction:		Affidavit of Pub. Filed:

This application is approved provided it is not exercised to the detriment of any others having existing rights, and is not contrary to the conservation of water in New Mexico nor detrimental to the public welfare of the state; and further subject to the specific conditions listed previously.

Witness my hand and seal this <u>17</u> day of <u>Aug</u> A.D.,

, State Engineer Tom Blaine, P.E. JUAN HERNANDEZ



Trn Desc: C 03902

File Number: <u>C 03902</u> Trn Number: 574028

page: 2

*Received by OCD: 2/6/2023 3:09:18 PM* 

Tom Blaine, P.E. State Engineer



Roswell Office 1900 WEST SECOND STREET ROSWELL, NM 88201

### STATE OF NEW MEXICO OFFICE OF THE STATE ENGINEER

Trn Nbr: 574028 File Nbr: C 03902

Aug. 17, 2015

BRYCE KARGER 4222 85TH ST LUBBOCK, TX 79423

Greetings:

Enclosed is your copy of the above numbered permit that has been approved subject to the conditions set forth on the approval page. In accordance with the conditions of approval, the well can only be tested for 10 cumulative days, and the well is to be plugged on or before 08/17/2016, unless a permit to use the water is acquired from this office.

A Well Record & Log (OSE Form wr-20) shall be filed in this office within twenty (20) days after completion of drilling, but no later than 08/17/2016.

Appropriate forms can be downloaded from the OSE website www.ose.state.nm.us or will be mailed upon request.

Sincerely,

Andrew Dennis (575)622-6521

Enclosure

explore

## Locator Tool Report

### General Information:

Application ID:29

Date: 08-17-2015

Time: 13:29:49

WR File Number: C-03902-POD1 Purpose: POINT OF DIVERSION

Applicant First Name: KARGER Applicant Last Name: BRYCE

> GW Basin: CARLSBAD County: LEA

Critical Management Area Name(s): NONE Special Condition Area Name(s): NONE Land Grant Name: NON GRANT

### **PLSS Description (New Mexico Principal Meridian):**

SW 1/4 of SW 1/4 of NW 1/4 of NE 1/4 of Section 08, Township 24S, Range 34E.

### **Coordinate System Details:**

#### **Geographic Coordinates:**

Latitude: 32 Degrees 14 Minutes 9.2 Seconds N Longitude: 103 Degrees 29 Minutes 30.9 Seconds W

#### **Universal Transverse Mercator Zone: 13N**

NAD 1983(92) (Meters)	N: 3,567,580	E: 642,089
NAD 1983(92) (Survey Feet)	N: 11,704,634	E: 2,106,586
NAD 1927 (Meters)	N: 3,567,378	E: 642,137
NAD 1927 (Survey Feet)	N: 11,703,973	E: 2,106,744

#### State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters)	N: 137,333	E: 244,299
NAD 1983(92) (Survey Feet)	N: 450,567	E: 801,504
NAD 1927 (Meters)	N: 137,315	E: 231,746
NAD 1927 (Survey Feet)	N: 450,508	E: 760,320

## NEW MEXICO OFFICE OF STATE ENGINEER

## Locator Tool Report





 WR File Number: C-03902-POD1
 Scale: 1:29,928

 Northing/Easting: UTM83(92) (Meter):
 N: 3,567,580
 E: 642,089

 Northing/Easting: SPCS83(92) (Feet):
 N: 450,567
 E: 801,504

 GW Basin: Carlsbad
 E: 801,504
 E: 801,504

Page 2 of 2

Print Date: 08/17/2015

## Locator Tool Report

#### **General Information:**

Application ID:29

Date: 08-17-2015

Time: 13:35:31

WR File Number: C-03902-POD2 Purpose: POINT OF DIVERSION

Applicant First Name: KARGER Applicant Last Name: BRYCE

> GW Basin: CARLSBAD County: LEA

Critical Management Area Name(s): NONE Special Condition Area Name(s): NONE Land Grant Name: NON GRANT

#### PLSS Description (New Mexico Principal Meridian):

SW 1/4 of SW 1/4 of NW 1/4 of NE 1/4 of Section 09, Township 24S, Range 34E.

#### **Coordinate System Details:**

#### **Geographic Coordinates:**

Latitude: 32 Degrees 14 Minutes 9.1 Seconds N Longitude: 103 Degrees 28 Minutes 29.4 Seconds W

#### **Universal Transverse Mercator Zone: 13N**

NAD 1983(92) (Meters)	N: 3,567,599	E: 643,698
NAD 1983(92) (Survey Feet)	N: 11,704,697	E: 2,111,865
NAD 1927 (Meters)	N: 3,567,397	E: 643,746
NAD 1927 (Survey Feet)	N: 11,704,035	E: 2,112,023

#### State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters)	N: 137,342	E: 245,908
NAD 1983(92) (Survey Feet)	N: 450,597	E: 806,784
NAD 1927 (Meters)	N: 137,324	E: 233,355
NAD 1927 (Survey Feet)	N: 450,538	E: 765,600

## **NEW MEXICO OFFICE OF STATE ENGINEER**

## Locator Tool Report





 WR File Number: C-03902-POD2
 Scale: 1:31,818

 Northing/Easting: UTM83(92) (Meter):
 N: 3,567,599
 E: 643,698

 Northing/Easting: SPCS83(92) (Feet):
 N: 450,597
 E: 806,784

 GW Basin: Carlsbad
 Eigender State
 Eigender State

Page 2 of 2

Print Date: 08/17/2015
#### Locator Tool Report

#### **General Information:**

Application ID:29

Date: 08-17-2015

Time: 13:50:10

WR File Number: C-03902-POD Purpose: POINT OF DIVERSION

Applicant First Name: KARGER Applicant Last Name: BRYCE

> GW Basin: CARLSBAD County: LEA

Critical Management Area Name(s): NONE Special Condition Area Name(s): NONE Land Grant Name: NON GRANT

#### **PLSS Description (New Mexico Principal Meridian):**

SW 1/4 of SW 1/4 of NW 1/4 of NE 1/4 of Section 14, Township 24S, Range 34E.

#### **Coordinate System Details:**

#### Geographic Coordinates:

Latitude:	32 Degrees	13 Minutes	16.5 Seconds	Ν
Lonaitude:	103 Degrees	26 Minutes	26.6 Seconds	W

Page 1 of 2

#### Universal Transverse Mercator Zone: 13N

NAD 1983(92) (Meters)	N: 3,566,027	E: 646,937
NAD 1983(92) (Survey Feet)	N: 11,699,541	E: 2,122,491
NAD 1927 (Meters)	N: 3,565,826	E: 646,985
NAD 1927 (Survey Feet)	N: 11,698,879	E: 2,122,648

#### State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters)	N: 135,750	E: 249,138
NAD 1983(92) (Survey Feet)	N: 445,374	E: 817,379
NAD 1927 (Meters)	N: 135,732	E: 236,584
NAD 1927 (Survey Feet)	N: 445,315	E: 776,194

## NEW MEXICO OFFICE OF STATE ENGINEER

## Locator Tool Report





 WR File Number: C-03902-POD
 Scale: 1:40,009

 Northing/Easting: UTM83(92) (Meter):
 N: 3,566,027
 E: 646,937

 Northing/Easting: SPCS83(92) (Feet):
 N: 445,374
 E: 817,379

 GW Basin: Carlsbad
 E: 817,379

Page 2 of 2

Print Date: 08/17/2015

#### Locator Tool Report

#### **General Information:**

Application ID:29

Date: 08-17-2015

Time: 13:41:54

WR File Number: C-03902-POD4 Purpose: POINT OF DIVERSION

Applicant First Name: KARGER Applicant Last Name: BRYCE

> GW Basin: CARLSBAD County: LEA

Critical Management Area Name(s): NONE Special Condition Area Name(s): NONE Land Grant Name: NON GRANT

#### PLSS Description (New Mexico Principal Meridian):

SW 1/4 of SW 1/4 of NW 1/4 of NE 1/4 of Section 15, Township 24S, Range 34E.

#### **Coordinate System Details:**

#### Geographic Coordinates:

Latitude:	32 Degrees	13 Minutes	16.7 Seconds	Ν
Longitude:	103 Degrees	27 Minutes	28.0 Seconds	W

#### **Universal Transverse Mercator Zone: 13N**

NAD 1983(92) (Meters)	N: 3,566,009	E: 645,328
NAD 1983(92) (Survey Feet)	N: 11,699,481	E: 2,117,214
NAD 1927 (Meters)	N: 3,565,807	E: 645,376
NAD 1927 (Survey Feet)	N: 11,698,820	E: 2,117,371

#### State Plane Coordinate System Zone: New Mexico East

NAD 1983(92) (Meters)	N: 135,742	E: 247,529
NAD 1983(92) (Survey Feet)	N: 445,347	E: 812,101
NAD 1927 (Meters)	N: 135,724	E: 234,976
NAD 1927 (Survey Feet)	N: 445,288	E: 770,916

## NEW MEXICO OFFICE OF STATE ENGINEER

# Locator Tool Report





 WR File Number: C-03902-POD4
 Scale: 1:49,145

 Northing/Easting: UTM83(92) (Meter):
 N: 3,566,009
 E: 645,328

 Northing/Easting: SPCS83(92) (Feet):
 N: 445,347
 E: 812,101

 GW Basin: Carlsbad
 E: 812,101
 E: 812,101

Page 2 of 2

Print Date: 08/17/2015





Page 41 of 230 501 W. San Antonio El Paso, Texas 79901 915.533.6811

### ATTACHMENT A

593

#### Application for Permit, Form wr-07, Rev 4/12/12

)

If after 24-hours following drilling water is found, we propose to pump the water column and observe if water returns.

2015 AUS STATE ENGINEER - / 90 al EV  $\square$ 

Abilene Amarilio Austin El Paso Erisco Las Cruces Lubbock Midland team-psc.com

Received by OCD: 2/6/2023 3:09:18 PM

# NAPP2219452897 | ANTELOPE RIDGE CDP BOOSTER



U.S. Fish and Wildlife Service

# National Wetlands Inventory

Page 43 of 230



## August 18, 2022

#### 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.

Released to Imaging: 2/22/2023 11:33:23 AM

National Wetlands Inventory (NWI) This page was produced by the NWI mapper

# Received by OCD: 246/2023 3:09:18 PM National Flood Hazard Layer FIRMette



# Legend

Page 44 of 230



Releasea to Imaging: 2/22/2023 PP.93:23 AM 1,500

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Received by OCD: 2/6/2023 3:09:18 PM

# NAPP2219452897 | ANTELOPE RIDGE CDP BOOSTER



Released to Imaging: 2/22/2023 11:33:23 AM

NM OCD Oil and Gas Map. http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75: New Mexico Oil Conservation Division

Received by OCD: 2/6/2023 3:09:18 PM



Released to Imaging: 2/22/2023 11:33:23 AM

Web Soil Survey National Cooperative Soil Survey

#### Soil Map—Lea County, New Mexico (NAPP2219452897 | ANTELOPE RIDGE CDP BOOSTER)



# Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
BE	Berino-Cacique loamy fine sands association	6.4	17.3%
BF	Berino-Cacique fine sandy loams association	14.8	40.2%
ВН	Berino-Cacique association, hummocky	15.7	42.5%
Totals for Area of Interest		36.8	100.0%





November 07, 2022

DAN DUNKELBERG TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS, NM 88241

RE: ANTELOPE RIDGE CDP

Enclosed are the results of analyses for samples received by the laboratory on 11/01/22 15:52.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

#### Sample ID: SP-008-01.0-HN-P (H225138-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	<0.050	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	<0.050	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	<0.300	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2022	ND	213	106	200	7.59	
DRO >C10-C28*	<10.0	10.0	11/03/2022	ND	240	120	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	11/03/2022	ND					
Surrogate: 1-Chlorooctane	79.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	92.3	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

#### Sample ID: SP-001-01.0-HN-P (H225138-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	<0.050	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	<0.050	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	<0.300	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS % Recovery		True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2022	ND	213	106	200	7.59	
DRO >C10-C28*	<10.0	10.0	11/03/2022	ND	240	120	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	11/03/2022	ND					
Surrogate: 1-Chlorooctane	74.3	45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.4	46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OII	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	LBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

#### Sample ID: CF-002-01.0-NA-P (H225138-03)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	<0.050	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	<0.050	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	<0.300	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/02/2022 ND		432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2022	ND	213	106	200	7.59	
DRO >C10-C28*	<10.0	10.0	11/03/2022	ND	240	120	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	11/03/2022	ND					
Surrogate: 1-Chlorooctane	89.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	107	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OII	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	LBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

#### Sample ID: CF-003-01.0-NA-P (H225138-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	<0.050	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	<0.050	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	<0.300	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/02/2022 ND		432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2022	ND	213	106	200	7.59	
DRO >C10-C28*	<10.0	10.0	11/03/2022	ND	240	120	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	11/03/2022	ND					
Surrogate: 1-Chlorooctane	105	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	122	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OIL	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	LBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	11/01/2022	Sampling Date:	11/01/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

#### Sample ID: CF-004-01.0-NA-P (H225138-05)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result Reporting Lir		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2022	ND	2.01	100	2.00	0.379	
Toluene*	<0.050	0.050	11/06/2022	ND	2.06	103	2.00	0.402	
Ethylbenzene*	<0.050	0.050	11/06/2022	ND	2.05	102	2.00	1.21	
Total Xylenes*	<0.150	0.150	11/06/2022	ND	6.20	103	6.00	0.906	
Total BTEX	<0.300	0.300	11/06/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result Reporting Limit		Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	11/02/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2022	ND	213	106	200	7.59	
DRO >C10-C28*	<10.0 10.0		11/03/2022	ND	240	120	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	11/03/2022	ND					
Surrogate: 1-Chlorooctane	104 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	122 9	46.3-17							

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



#### **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

	Sampler - UPS - Bus - Other:	Delivered By: (Circle One)		Kelinquished By:	X-mm	A very	affiliates or successors arising Relinnuished Rv.	analyses. All claims including service. In no event shall Can	PLEASE NOTE: Liability and				(	r		S	ع		Lab I.D.	Haasis	FOR LAB USE ONLY	Sampler Name:	Project Location: Lea Co., NM	Project Name:	Project #:	Phone #:	City:	Address:	Project Manager	Company Name:	<b>NCA</b>
						Ar low	affiafte or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Refinenciched Rv.	analyses. All claims including those for negligence and any other cause whatsower shall be deemed waived unless made in writing and reached by claims including those for negligence and any other cause whatsower shall be deemed waived unless made in writing and reached by Cardinal within 30 days after completion of the applicable service. In no event shall be faither to the service in no event shall be faither to be anount of the service in no event shall be faither to be anount of the service. In no event shall be faither to be anount of the applicable service. In no event shall be faither to be anount of the service in the serv	PLEASE NOTE: Liability and Damages. Cardinal's liability and dient's exclusive remedy for an claim action whether brown is contract as the second sec					CF-004-01.0-NA-P	CF-003-01.0-NA-P	CF-002-01.0-NA-P	SP-001-01.0-HN-P	SP-008-01.0-HN-P	Sample I.D.			XT	Lea Co., NM	ANTELOPE RIDGE CDP			Hobbs	8426 N Dal Paso	Project Manager: Dan Dunkelberg	Company Name: Trinity Oilfield Services	Laboratories (s
+ c	Corrected Temp. °C	Observed Temp. °C	Time:	Date: Rece	Timet S2	Uate: Rec	invices hereunder by Cardinal, r	whatsoever shall be deemed vial damages, including without I	exclusive remedy for any claim				-	-	-	С	0	G	(G)R	AB OR (C)OMP.				dan@trinityoilfieldservices.com	Project Owner:	Fax #:	State: NM Zip:				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	No No	Sample Condition		Received By:	100 AC	Received By:	egardless of whether such cla	mitation husiness internetse	arising who firer kaped in part					1 X	1 X	1 X	1 X	×	GRC WAS SOIL OIL SLUI	DGE	MATRIX				(see below)		88241				Hobbs, NM 88240 ( (575) 393-2476
ept verbal cha	R	유			leight	,	im is based upon any	and received by Card										_		/BASE: COOL	PRESERV.	Fax #:	<b>#</b>		City:	Address:		iny:	P.O. #:		
anges. Please	1			REI	K	Ver	of the above stated real	inal within 30 days after						11/1/2022	11/1/2022	11/1/2022	11/1/2022	11/1/2022	DATE		SAMPLING			Zip:			Connor Walker	Mewbourne Oil Co.		BILL TO	
email change	Thermometer ID #113 Correction Factor -0.6 °C	Turnaround Time:		REMARKS:	All Results are emailed. Please provide Email address:	Verbal Result:	sons or otherwise.	d by the client for the completion of the ap			-	_	_			_		_	TIME		NG							ò.			
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	Cool Intact Yes	Bacteria (only) Sample Condition				le #:																								ANALYSIS REQUEST	CUSTODY AND ANALYSIS REQUEST
	Yes	y) Sample (								_	+	+		-		+	-	-				e e							- WOLOI	FOLIEST	ANAL
	Observed Temp. °C Corrected Temp. °C	Condition							_		+	-	-	-	-		-			1											YSIS R
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November 03, 2022

DAN DUNKELBERG TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS, NM 88241

RE: ANTELOPE RIDGE CDP

Enclosed are the results of analyses for samples received by the laboratory on 10/27/22 15:42.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Whe Singh

Mike Snyder For Celey D. Keene Lab Director/Quality Manager



TRINITY O	ILFIELD SERVICES & RENTALS, LLC	
dan dunk	ELBERG	
P. O. BOX	2587	
HOBBS NM	, 88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

#### Sample ID: SP-001-00.0-V-P (H225082-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.82	91.1	2.00	4.11	
Toluene*	<0.050	0.050	11/03/2022	ND	2.00	99.9	2.00	3.93	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.07	103	2.00	2.70	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.38	106	6.00	1.55	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1480	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	234	117	200	10.8	
DRO >C10-C28*	21.3	10.0	11/01/2022	ND	217	109	200	12.1	
EXT DRO >C28-C36	15.7	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	101	% 45.3-16	51						
Surrogate: 1-Chlorooctadecane	112 9	% 46.3-17	'8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

#### Sample ID: SP-001-01.0-V-P (H225082-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98. <i>3</i>	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	234	117	200	10.8	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	217	109	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	99.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	109	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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P. O. BOX 2	.587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

#### Sample ID: SP-002-00.0-V-P (H225082-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	234	117	200	10.8	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	217	109	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	91.2	% 45.3-16	51						
Surrogate: 1-Chlorooctadecane	99.3	% 46.3-17	'8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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P. O. BOX 2	2587	
HOBBS NM,	, 88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

#### Sample ID: SP-002-01.0-V-P (H225082-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	234	117	200	10.8	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	217	109	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	84.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	90.6	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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P. O. BOX 2	.587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

#### Sample ID: SP-003-00.0-V-P (H225082-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	234	117	200	10.8	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	217	109	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	97.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	105 9	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	ILFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	2587	
HOBBS NM,	, 88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

#### Sample ID: SP-003-01.0-V-P (H225082-06)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	234	117	200	10.8	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	217	109	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	105	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	117 9	46.3-17	8						

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#### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	2587	
HOBBS NM,	, 88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

#### Sample ID: SP-004-00.0-V-P (H225082-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	234	117	200	10.8	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	217	109	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	106 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	118 9	% 46.3-17	8						

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#### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	2587	
HOBBS NM,	, 88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

#### Sample ID: SP-004-01.0-V-P (H225082-08)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	234	117	200	10.8	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	217	109	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	106	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	118 9	% 46.3-17	8						

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Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

#### Sample ID: SP-005-00.0-V-P (H225082-09)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	234	117	200	10.8	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	217	109	200	12.1	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	112 9	% 45.3-16	51						
Surrogate: 1-Chlorooctadecane	125 9	% 46.3-17	18						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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P. O. BOX 2	2587	
HOBBS NM,	, 88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

#### Sample ID: SP-005-01.0-V-P (H225082-10)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	215	108	200	3.01	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	186	93.0	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	103 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	115 9	% 46.3-17	8						

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Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

#### Sample ID: SP-005-02.0-V-P (H225082-11)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	215	108	200	3.01	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	186	93.0	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	118 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	131	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

#### Sample ID: SP-006-00.0-V-P (H225082-12)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	215	108	200	3.01	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	186	93.0	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	117 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	132	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

#### Sample ID: SP-006-01.0-V-P (H225082-13)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	215	108	200	3.01	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	186	93.0	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	103	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	116 9	46.3-17	8						

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HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

#### Sample ID: SP-006-02.0-V-P (H225082-14)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	215	108	200	3.01	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	186	93.0	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	110 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	123	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

#### Sample ID: SP-006-03.0-V-P (H225082-15)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	215	108	200	3.01	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	186	93.0	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	110 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	124	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager


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DAN DUNKE	ELBERG	
P. O. BOX 2	.587	
HOBBS NM,	88241	
Fax To:	NONE	
	DAN DUNKE P. O. BOX 2 HOBBS NM,	TRINITY OILFIELD SERVICES & RENTALS, DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

# Sample ID: SP-006-04.0-V-P (H225082-16)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	215	108	200	3.01	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	186	93.0	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	99.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	110 9	46.3-17	8						

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DAN DUNKE	ELBERG	
P. O. BOX 2	2587	
HOBBS NM,	, 88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

## Sample ID: SP-007-00.0-V-P (H225082-17)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	215	108	200	3.01	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	186	93.0	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	93.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102	% 46.3-17	8						

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DAN DUNKE	ELBERG	
P. O. BOX 2	.587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

# Sample ID: SP-007-01.0-V-P (H225082-18)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1410	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	215	108	200	3.01	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	186	93.0	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	98.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	110 9	% 46.3-17	8						

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### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	.587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

# Sample ID: SP-007-02.0-V-P (H225082-19)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	215	108	200	3.01	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	186	93.0	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	95.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	107	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	2587	
HOBBS NM,	, 88241	
Fax To:	NONE	
	DAN DUNKI P. O. BOX 2 HOBBS NM,	TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241 Fax To: NONE

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

# Sample ID: SP-007-03.0-V-P (H225082-20)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.3	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	11/01/2022	ND	400	100	400	0.00	QM-07
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	215	108	200	3.01	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	186	93.0	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	104 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	115 9	% 46.3-17	0						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

## Sample ID: SP-009-00.0-V-P (H225082-21)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.85	92.7	2.00	7.03	
Toluene*	<0.050	0.050	11/03/2022	ND	2.23	111	2.00	6.84	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.15	107	2.00	5.10	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.56	109	6.00	5.68	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6480	16.0	11/01/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	215	108	200	3.01	
DRO >C10-C28*	14.1	10.0	11/01/2022	ND	186	93.0	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	85.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.0	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
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P. O. BOX 2	.587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

# Sample ID: SP-009-04.0-V-P (H225082-22)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.87	93.6	2.00	1.09	
Toluene*	<0.050	0.050	11/03/2022	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.06	103	2.00	1.36	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.25	104	6.00	1.16	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	101 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1920	16.0	11/01/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	215	108	200	3.01	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	186	93.0	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	99.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	111 9	46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

# Sample ID: SP-009-07.0-V-P (H225082-23)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.87	93.6	2.00	1.09	
Toluene*	<0.050	0.050	11/03/2022	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.06	103	2.00	1.36	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.25	104	6.00	1.16	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1880	16.0	11/01/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	215	108	200	3.01	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	186	93.0	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	99.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	112 9	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD S	ERVICES & RENTALS, LLC
DAN DUNKE	LBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/27/2022	Sampling Date:	10/27/2022
Reported:	11/03/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

## Sample ID: SP-006-06.0-V-P (H225082-24)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/03/2022	ND	1.87	93.6	2.00	1.09	
Toluene*	<0.050	0.050	11/03/2022	ND	2.05	103	2.00	1.57	
Ethylbenzene*	<0.050	0.050	11/03/2022	ND	2.06	103	2.00	1.36	
Total Xylenes*	<0.150	0.150	11/03/2022	ND	6.25	104	6.00	1.16	
Total BTEX	<0.300	0.300	11/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/01/2022	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	215	108	200	3.01	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	186	93.0	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	92.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	104	% 46.3-17	8						

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500CI-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

## **Cardinal Laboratories**

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whe Sigh

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

	Sampler - UPS - Bus - Other:	Delivered By: (Circle One)		Relinquished By:	Vermel	NO1	Relinquished By:	service. In no event shall C	PLEASE NOTE: Liability a analyses. All claims includin	10	9	2	2	6	2		u	2	_	Lab I.D.	14225082	FOR LAB USE ONLY	Sampler Name:	Project Location: Lea Co., NM	Project Name:	Project #:	Phone #:	City:	Address:		Company Name:	Labo
					Annon T	Ar in Da Ma		service. In no event shall Cardinal be ladde for incidential or consequential damages, including without limitation, business interruptions, loss of uses, or loss of points incurred by clerin, is seconaires articutes or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above statisd reasons or otherwise.	PLEASE NOTE: Lability and Damages. Cardinal's lability and clerit's exclusive tensedy for any claim ansing wetwer reases in connector inclusioner and use animous or use animous or use animous per operation of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed valved unless made in writing and necelved by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed valved unless made in writing and necelved by Cardinal within 30 days after completion of the applicable analyses.	SP-005-01.0-V-P	SP-005-00.0-V-P	SP-004-01.0-V-P	SP-004-00.0-V-P	SP-003-01.0-V-P	SP-003-00.0-V-P			SP-001-01.0-V-P	SP-001-00.0-V-P	Sample I.D.			ХT	Lea Co., NM	ANTELOPE RIDGE CDP			Hobbs	8426 N Dal Paso	Dan Dunkelberg	Trinity Oilfield Services	Laboratories
2	Corrected Temp. °C	Observed Temp. °C	Time:	Date:	13-YA	10.2120	Date:	quental damages, including with of services hereunder by Can	ent's exclusive remedy for any cause whatsoever shall be dee										0						dan@trinityoilf	Project Owner:	Fax #:	State: NM Z				101 East Marland, Hobbs, NM 8824 (575) 393-2326 FAX (575) 393-2476
YO NO	Yes	Sample Condition	-	Received By:	10000	hours	Received By:	thout limitation, business interr dinal, regardless of whether su	claim ansing whether based in med waived unless made in w	Ê	G 1 X	G 1 X	G 1 X	G 1 X	G 1 X	G 1 X	G 1 X	G 1 X	G 1 X	# CC GRC WAS SOII	AB OR (C)OMP. DNTAINERS DUNDWATER STEWATER L	MATRIX			dan@trinityoilfieldservices.com	(see below)		Zip: 88241				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
No No V . Correction Factor 4.6 °C	1				NAN D		5	uptions, loss of use, or los ch claim is based upon a	in contract or tort, shall be initiated to are entry writing and received by Cardinal within 30 da													PRESERV.	Fax #	Phone #:	State:	City:	Address:	Attn: 0	Company: N	P.O. #:		
		(Initials)		R	X	A	ye ye	ny of the above stated r	rdinal within 30 days aft		10/27/2022	10/27/2022	10/27/2022	10/27/2022	10/27/2022	10/27/2022	10/27/2022	10/27/2022	10/27/2022	DATE		SAMPLING			Zip:			Connor Walker	Mewbourne C.I Co.		BILL TO	
Correction Factor -0.6 °C	Thermometer ID #113	Turnaround Time:		REMARKS:		I Results are e	Verbal Result:	easons or otherwise.	er completion of the s	int road hu the client for the										TIME		G										_
0.6 °C	13					mailed. Pleas			applicable	x	-	-	××	+	××	+	××	-	××	-	loride H					~				-		
		Standard Rush				All Results are emailed. Please provide Email address:	Yes			×	-	-	×	+	+	+	×	+	+	+				_						Ŧ		CHAIN-O
linallahen	[	d X				il address:	No																									)F-CUS
m.com	Yes	Bacteria (only) Sample Condition Cool Intact Observ					Add'I Phone #:																								ANALYSIS REQUEST	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
Corrected Temp. °C		DLserved Temp. °C																					2									YSIS REQUES
																															_	

Delivered By: (Circle One)		Relinquished By:	MANDER	Relinquished By: 1	analyses. At claims including bose for registrons and any other cause whatsevere shall be deemed waved unsers many an unserverue or curver wave or one of profession of the standards of the stan	PLEASE NOTE: Lability and Damages. Cardinal's lability and client's exclusive remedy for any claim ansing whether based in contract or tot, shall be limited to the amount paid by the client for the PLEASE NOTE: Lability and Damages. Cardinal's lability and client's exclusive remedy for any claim ansing whether based in contract or tot, shall be limited to the amount paid by the client for the		-	1 4 SP-0				-		12 SP-0	1	HZ2506°Z Lab I.D.	FOR LAB USE ONLY	Sampler Name: XT	n:	ame:	Project #:	Phone #:	City: Hobbs	Address: 8426	Project Manager: Dan Dunkelberg	Company Name: Trinity	
			<i>Y</i>		nalyses. All dains including trading hoses for nagligons and any other cause whatsoever shall be deemde whord untests mains in rearry and uncernary of second or dains in based of profits incruding to deemde without instance. In on event shall cardinal to glade to incrude their cause whatsoever shall be deemde without instance interruptions to sec of any other and by deemt. Its subsidiaries areas and any on event shall cardinal be glade for incrudental or consequential damages. Including without instance without instance of any other shall be and the and the subsidiaries of whether such claim is based upon any of the above shalled reasons or otherwise areases or successors and on our of a halands to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above shalled reasons or otherwise and the second of the shall be the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above shalled reasons or otherwise and the second of the shall be the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above shalled reasons or otherwise the second of the second of	ges. Cardinal's liability and client's e	SP-007-03.0-V-P	SP-007-02.0-V-P	SP-007-01.0-V-P	SP-007-00.0-V-P	SP-006-04.0-V-P	SP-006-03.0-V-P	SP-006-02.0-V-P	SP-006-01.0-V-P	SP-006-00.0-V-P	SP-005-02.0-V-P	Sample I.D.			Lea Co., NM	ANTELOPE RIDGE CDP				8426 N Dal Paso	Dunkelberg	Trinity Oilfield Services	
Observed Temp. °C	Time:	Date:	Time:42	Date: 77 77	whatsoever shall be de I damages, including w vices hereunder by Ca	clusive remedy for any															dan@trinityoilt	Project Owner:	Fax #:	State: NM 2				East Marland, 393-2326 FA
Sample Condition		Received By:		Received By:	smed warved unless made i ithout limitation, business in dinal, regardless of whethe	claim arising whether base	-	G 1 X	1	G 1 X	1	G 1 X	-	G 1 X	G 1 X	G 1 X	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	MATRIX			dan@trinityoilfieldservices.com	(see below)		Zip: 88241				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
		4 14- 14- 14		11	n wriang and received by c iterruptions, loss of use, or r such claim is based upon	in contract or fort, shall b											SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	X PRESERV.	Fax #:	Phone #:	State:	City:	Address:	Attn:	Company:	P.O. #:		6 0
(Initials)			X	1	loss of profits incurred in any of the above state	be limited to the amount	10/27/2022	10/27/2022	10/27/2022	10/27/2022	10/27/2022	10/27/2022	10/27/2022	10/27/2022	10/27/2022	10/27/2022	DATE	SAMPLING			Zip:			Connor Walker	Mewbourne Oil Co.		BILL TO	
Turnaround Time: Thermometer ID ≢113 Correction Factor -0.6 °C		REMARKS:	All Results are emailed. Please provide Email address:	Verbal Result:	by client, its subsidiaries d reasons or otherwise.	t paid by the client for the a after completion of the a											TIME	ING							Co.			_
0.6 °C			nailed. Please	M N		oplicable	X X	× ×	X X	××	××	××	××	× ×	××	××	Chloride TPH			ł								0
Standard Rush			provide Email	Yes N			×	×	×	×	×	×	×	×	×	×	втех										_	CHAIN-OF
×			address:								-																AN	-custo
Bacteria (only) Sample Condition Cool Intact Observ Yes Yes No Corruct				Add'l Phone #:														-									ANALYSIS REQUEST	F-CUSTODY AND ANALYSIS REQUES
le Condition Observed Temp. °C Corructed Temp. °C																		7									_	<b>YSIS REQUES</b>
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	Sampler - UPS - Bus - Other:	Delivered By: (Circle One)		Relinquished By:	Juli	Relinquished By:	affiliates or successors ari	analyses. All claims includ	217407 LOTT. 11588.				5	24	22	22	12	Lab I.D.	H225082	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name:	Project #:	Phone #:	City:	Address:	Project Manager:	Company Name:	<b>NCAF</b>
					Æ		ervice. In no event shall Cardinal be lable for incidential of consequential iffiliates or successors arising out of or related to the performance of sen	PLEASE. VUI I.E. Lipping and usingles, variations arouny and work of water and a set of the set		1	1	 1			7 2 SP-009-07.0-V-P	22 SP-009-04.0-V-P	SP-009-00.0-V-P	Sample I.D.			XT	Lea Co., NM	ANTELOPE RIDGE CDP			Hobbs	8426 N Dal Paso	Project Manager: Dan Dunkelberg	Company Name: Trinity Oilfield Services	aboratories (57
† Cardinal	Corrected Temp. °C	Observed Temp. °C 32,8 Sample	Time:	Date: Received By:	Times 48	Date: Received By:	man ourseges, issueing thread in measury, concerning the such claim is based upon any of the above stated reasons or otherwise services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise	PLEXSE. VOL 15: Lipping and unanges. Saturate anony any construction water water and the deemed water unless muck in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any obser cause whatevers what be deemed waterd unless muck in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any obser cause whatevers what be deemed watered unless much in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including those for negligence and any observes what be deemed watered unless much in writing and received by Cardinal writin 30 days after analyses. All claims after the claim of the providence with the deemed without limitation business interruptions, less of use, or loss of profils incurred by client, its subaidarites.	s exclusive remedy for any claim ansing whether based					10-V-24	G 1 0	G 1 )	G 1 3	(G)F # CC GRC WAS	RAB OR (C)OMP. DNTAINERS DUNDWATER STEWATER	M			dan@trinityoilfieldservices.com	Project Owner: (see below)	Fax #:	State: NM Zip: 88241				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
+ Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	No No T	Sample Condition CHE Cool Intact (		-	inter alla	2	hether such claim is based upon	nade in writing and received by ( tess interruptions, loss of use, or	r based in contract or tort, shall be limited to the amo						×	×	×	OTH ACI		MATRIX PRESERV.	Fax #:	Phone #:	com State:	City:	Address:	Attn:	Company:	P.O. #:		88240 2476
I changes. Please	Col	CHECKED BY: Tur (Initials)		RE	all all all	// Ver	any of the above stated rea	ardinal within 30 days after loss of profits incurred by cl	21						10/27/2022	10/27/2022	10/27/2022	DATE		SAMPLING			Zip:			Connor Walker	Mewbourne Oil Co.		BILL TO	
email changes to	Thermometer ID #113 Correction Factor -0.6 °C	Turnaround Time:		REMARKS:	All Kesults are emailed, ritease provide chiait avoices.	Verbal Result:	asons or otherwise.	completion of the applicabl lient, its subsidiaries,	Int paid by the client for the						×	×	×	TIME	loride	<b>u</b>										
o celey.keene@c;		Standard Rush			L Please provide Ei	Yes									××	-	-	-	тех			×			8					CHAIN-OF-
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November 07, 2022

DAN DUNKELBERG TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS, NM 88241

RE: ANTELOPE RIDGE CDP

Enclosed are the results of analyses for samples received by the laboratory on 10/28/22 14:53.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	10/28/2022	Sampling Date:	10/28/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

# Sample ID: SP-007-01.0-HS-P (H225102-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2022	ND	1.90	94.9	2.00	3.01	
Toluene*	<0.050	0.050	11/04/2022	ND	2.16	108	2.00	1.14	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.02	101	2.00	1.28	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.09	101	6.00	2.33	
Total BTEX	<0.300	0.300	11/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/01/2022	ND	416	104	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	214	107	200	0.0725	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	211	105	200	7.82	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	87.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	108	% 46.3-17	8						

## Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	LBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/28/2022	Sampling Date:	10/28/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: SP-007-01.0-HN-P (H225102-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2022	ND	1.90	94.9	2.00	3.01	
Toluene*	<0.050	0.050	11/04/2022	ND	2.16	108	2.00	1.14	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.02	101	2.00	1.28	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.09	101	6.00	2.33	
Total BTEX	<0.300	0.300	11/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/01/2022	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	212	106	200	2.48	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	215	107	200	5.11	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	98.6	45.3-16	1						
Surrogate: 1-Chlorooctadecane	113 %	6 46.3-17	8						

## Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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DAN DUNKE	LBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/28/2022	Sampling Date:	10/28/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

# Sample ID: SP-007-01.0-HE-P (H225102-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2022	ND	1.90	94.9	2.00	3.01	
Toluene*	<0.050	0.050	11/04/2022	ND	2.16	108	2.00	1.14	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.02	101	2.00	1.28	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.09	101	6.00	2.33	
Total BTEX	<0.300	0.300	11/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/01/2022	ND	416	104	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	212	106	200	2.48	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	215	107	200	5.11	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	94.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	107 9	% 46.3-17	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/28/2022	Sampling Date:	10/28/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: SP-006-01.0-HS-P (H225102-04)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2022	ND	2.01	101	2.00	6.30	
Toluene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.44	107	6.00	7.73	
Total BTEX	<0.300	0.300	11/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/01/2022	ND	416	104	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	212	106	200	2.48	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	215	107	200	5.11	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	90.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	103 9	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



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HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/28/2022	Sampling Date:	10/28/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: SP-006-01.0-HN-P (H225102-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2022	ND	2.01	101	2.00	6.30	
Toluene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.44	107	6.00	7.73	
Total BTEX	<0.300	0.300	11/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/01/2022	ND	416	104	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	212	106	200	2.48	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	215	107	200	5.11	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	85.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.6	% 46.3-17	8						

## **Cardinal Laboratories**

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/28/2022	Sampling Date:	10/28/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: SP-005-01.0-HN-P (H225102-06)

BTEX 8021B	mg/	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2022	ND	2.01	101	2.00	6.30	
Toluene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.44	107	6.00	7.73	
Total BTEX	<0.300	0.300	11/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	212	106	200	2.48	
DRO >C10-C28*	<10.0	10.0	11/02/2022	ND	215	107	200	5.11	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	92.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	107 9	46.3-17	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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DAN DUNKE	LBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/28/2022	Sampling Date:	10/28/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: SP-005-01.0-HS-P (H225102-07)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2022	ND	2.01	101	2.00	6.30	
Toluene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.44	107	6.00	7.73	
Total BTEX	<0.300	0.300	11/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	212	106	200	2.48	
DRO >C10-C28*	<10.0	10.0	11/02/2022	ND	215	107	200	5.11	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	97.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	112 9	46.3-17	8						

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### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OII	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/28/2022	Sampling Date:	10/28/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: SP-004-01.0-HN-P (H225102-08)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2022	ND	2.01	101	2.00	6.30	
Toluene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.44	107	6.00	7.73	
Total BTEX	<0.300	0.300	11/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	212	106	200	2.48	
DRO >C10-C28*	<10.0	10.0	11/02/2022	ND	215	107	200	5.11	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	87.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	100	% 46.3-17	8						

## Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OII	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	LBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/28/2022	Sampling Date:	10/28/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: SP-004-01.0-HS-P (H225102-09)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2022	ND	2.01	101	2.00	6.30	
Toluene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.44	107	6.00	7.73	
Total BTEX	<0.300	0.300	11/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	212	106	200	2.48	
DRO >C10-C28*	<10.0	10.0	11/02/2022	ND	215	107	200	5.11	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	91.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	107	% 46.3-17	8						

## Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/28/2022	Sampling Date:	10/28/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: SP-003-01.0-HN-P (H225102-10)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2022	ND	2.01	101	2.00	6.30	
Toluene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.44	107	6.00	7.73	
Total BTEX	<0.300	0.300	11/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	212	106	200	2.48	
DRO >C10-C28*	<10.0	10.0	11/02/2022	ND	215	107	200	5.11	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	97.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	112 9	46.3-17	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/28/2022	Sampling Date:	10/28/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: SP-003-01.0-HS-P (H225102-11)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2022	ND	2.01	101	2.00	6.30	
Toluene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.44	107	6.00	7.73	
Total BTEX	<0.300	0.300	11/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	212	106	200	2.48	
DRO >C10-C28*	<10.0	10.0	11/02/2022	ND	215	107	200	5.11	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	101 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	116 9	46.3-17	8						

## Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	LBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/28/2022	Sampling Date:	10/28/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: SP-002-01.0-HN-P (H225102-12)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2022	ND	2.01	101	2.00	6.30	
Toluene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.44	107	6.00	7.73	
Total BTEX	<0.300	0.300	11/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/02/2022	ND	212	106	200	2.48	
DRO >C10-C28*	<10.0	10.0	11/02/2022	ND	215	107	200	5.11	
EXT DRO >C28-C36	<10.0	10.0	11/02/2022	ND					
Surrogate: 1-Chlorooctane	107 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	123 9	46.3-17	8						

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\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Received:	10/28/2022	Sampling Date:	10/28/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

# Sample ID: SP-002-01.0-HS-P (H225102-13)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2022	ND	2.01	101	2.00	6.30	
Toluene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.44	107	6.00	7.73	
Total BTEX	<0.300	0.300	11/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	194	96.8	200	1.10	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	177	88.7	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	98.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	108 9	46.3-17	8						

## Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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DAN DUNKE	LBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	10/28/2022	Sampling Date:	10/28/2022
Reported:	11/07/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: SP-001-01.0-HS-P (H225102-14)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2022	ND	2.01	101	2.00	6.30	
Toluene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.44	107	6.00	7.73	
Total BTEX	<0.300	0.300	11/04/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	96.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/01/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/01/2022	ND	194	96.8	200	1.10	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	177	88.7	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					
Surrogate: 1-Chlorooctane	91.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	99.8	% 46.3-17	0						

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### \*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

	Sampier - UPS - Bus - Other:		Delivered By: (Circle One)		Relinquished By:	( / HUT	Relinquished By:	affiliates cr successors aris	analyses, All claims includi service. In no event shall C	10 PIEASE NOTE: Liability of	0	8	7	0	S	¢	w	ø	-	Lab I.D.	Haasloa	FOR LAB USE ONLY	Sampler Name:	Project Location: Lea Co., NM	Project Name:	Project #:	Phone #:	City:	Address:	Project Manager:	Company Name	
						A		ng out of or related to the performan	a valves. A claims including those for units serving and central seconds simply or any canadical analogies and other costs and be limited to the amount pad by the claim for the available. A claims including those for an outpad to the applicable available. A claims including those for an outpad to the applicable service. In no event shall calculate the liber includes to non-service and a cost of the applicable service in no event shall calculate the liber includes to non-service and any other service to advant within 30 days sites concentration of the applicable service. In no event shall calculate the liber includes to non-service and any other service and any other service to advant within 30 days sites concentration of the applicable service.	SP-003-01.0-HN-P	SP-004-01.0-HS-P	SP-004-01.0-HN-P	SP-005-01.0-HS-P	SP-005-01.0-HN-P	SP-006-01.0-HN-P	SP-006-01.0-HS-P	SP-007-01.0-HE-P	SP-007-01.0-HN-P	SP-007-01.0-HS-P	Sample I.D.			XT	: Lea Co., NM	ANTELOPE RIDGE CDP			Hobbs	8426 N Dal Paso	: Dan Dunkelberg	Company Name: Trinity Oilfield Services	<b>CARDINAL</b> Laboratories
	Corrected Temp. °C	14.5	Observed Temp. °C	Time:		Time 1453	Date:	pe of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	suntal damanes inclution wi	affe and when a same b. Commen				ţ,						I.D.					dan@trinityoilfieldservices.com	Project Owner:	Fax #:	State: NM			ŭ	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
† Cai	0	r'			Receiv	5	Receiv	dinal, rega	med waiv	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1	G 1		AB OR (C)OMP.				ilfields			Zip:				d, Hol AX (5
† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	No No	Cool Intact	Sample Condition		Received By:	KNOR	Received By:	ardless of whether such i	ang whether based in co ed unless made in writin	X	X	X	X	×	×	×	×	×	×	•		MATRIX			ervices.com	(see below)		88241				bbs, NM 8824( 75) 393-2476
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hanges. Pleas	E O	jals)	CHECKED BY: TI		C	E L	<	y of the above stated	dinal within 30 days a	10/28/2022	10/28/2022	10/28/2022	10/28/2022	10/28/2022	10/28/2022	10/28/2022	10/28/2022	10/28/2022	10/28/2022	DATE		SAMPLING			Zip:			Connor Walker	Mewbourne Oil Co		BILL TO	
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(575) 393-2326 FAX (575) 393-2476								F
Company Name: Trinity Olifield Services	BILL TO				ANALYSIS REQUEST	EQUEST		*
P.O. #:			_					
Company:	Mewbourne Oil Co.							
	Connor Walker							
e #: Fax #: Address:								
Project #: Project Owner: (see below) City:								
me: ANTELOPE RIDGE CDP dan@trinityoilfieldservices.com State:	Zip:							
Phone #:								
FOR LAB USE ONLY MATRIX PRESERV.	SAMPLING							
ИР.								
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analyses. All claims includes your or users are sourced annoy of any damme anising withing the stead on contract or to, shall be limited to the amount paid by the claims for the same and to the service. All claims individe you for an expert shall be an out paid or you and to the service. In no event shall candinal within 30 days after completions of the applicable service. In no event shall candinal the liable for incidential or consequential domages, including witrout limitation, business interruptions, less of runks in a state completion of the applicable service. In no event shall candinal the liable for incidential or consequential domages, including witrout limitation, business interruptions, less of runk is one of prints incurate by claims, affiliates or successors arising out plot registed to the performance of services harsunder by Candinal, ngardess of whether such claim is based upon any of the above stated reasons or otherwise.	mited to the amount paid by the clien sinal within 30 days after completion s of profits incurred by client, its sub- ty of the above stated reasons or oth	nt for the of the applicable sidiaries, envise,						
Reininguished-By: AMMA Time: Received By: Time: Received By: Ti	\$	Verbal Result: Yes No All Results are emailed. Please provide Email address:	Yes ase provide Em		Add'l Phone #:			
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Time:								
Sample Condition CH	ED BY: Turnaround Time:	Time:	Standard	rd X	Bacteria (	Bacteria (only) Sample Condition	lition	
Sampler - UPS - Bus - Other: Corrected Teppa, °C / Yep Yes / Yes	Thermometer ID #113	ID #113	Rush		Cool Yes	Intact Ob Yes	Observed Temp. °C	

.



November 10, 2022

DAN DUNKELBERG TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS, NM 88241

RE: ANTELOPE RIDGE CDP

Enclosed are the results of analyses for samples received by the laboratory on 11/03/22 15:54.

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 <a href="https://www.tceq.texas.gov/field/ga/lab\_accred\_certif.html">www.tceq.texas.gov/field/ga/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TRINITY O	ILFIELD SERVICES & RENTALS, LLC	2
DAN DUNI	ELBERG	
P. O. BOX	2587	
HOBBS NN	I, 88241	
Fax To:	NONE	

Received:	11/03/2022	Sampling Date:	11/03/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

# Sample ID: CF-005-01.0-NA-P (H225205-01)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	11/10/2022	ND	1.93	96.5	2.00	0.371	
Toluene*	<0.050	0.050	11/10/2022	ND	2.04	102	2.00	0.0217	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.99	99.4	2.00	0.204	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.09	102	6.00	0.217	
Total BTEX	<0.300	0.300	11/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/04/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2022	ND	214	107	200	0.546	
DRO >C10-C28*	<10.0	10.0	11/07/2022	ND	238	119	200	15.5	
EXT DRO >C28-C36	<10.0	10.0	11/07/2022	ND					
Surrogate: 1-Chlorooctane	110 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	129	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	11/03/2022	Sampling Date:	11/03/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-006-01.0-NA-P (H225205-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.93	96.5	2.00	0.371	
Toluene*	<0.050	0.050	11/10/2022	ND	2.04	102	2.00	0.0217	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.99	99.4	2.00	0.204	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.09	102	6.00	0.217	
Total BTEX	<0.300	0.300	11/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	11/04/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	214	107	200	0.546	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	238	119	200	15.5	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					
Surrogate: 1-Chlorooctane	94.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	109 9	% 46.3-17	8						

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Received:	11/03/2022	Sampling Date:	11/03/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-007-01.0-NA-P (H225205-03)

BTEX 8021B	mg/	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.93	96.5	2.00	0.371	
Toluene*	<0.050	0.050	11/10/2022	ND	2.04	102	2.00	0.0217	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.99	99.4	2.00	0.204	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.09	102	6.00	0.217	
Total BTEX	<0.300	0.300	11/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.8	% 69.9-14	0						
Chloride, SM4500CI-B		kg	Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	11/04/2022	ND	400	100	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	214	107	200	0.546	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	238	119	200	15.5	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					
Surrogate: 1-Chlorooctane	106 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	122 9	46.3-17	8						

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Received:	11/03/2022	Sampling Date:	11/03/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-008-01.0-NA-P (H225205-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.93	96.5	2.00	0.371	
Toluene*	<0.050	0.050	11/10/2022	ND	2.04	102	2.00	0.0217	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.99	99.4	2.00	0.204	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.09	102	6.00	0.217	
Total BTEX	<0.300	0.300	11/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.6	% 69.9-14	0						
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	11/04/2022	ND	400	100	400	0.00	
TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	214	107	200	0.546	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	238	119	200	15.5	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					
Surrogate: 1-Chlorooctane	103	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	119 9	46.3-17	8						

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Received:	11/03/2022	Sampling Date:	11/03/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-009-01.0-NA-P (H225205-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.93	96.5	2.00	0.371	
Toluene*	<0.050	0.050	11/10/2022	ND	2.04	102	2.00	0.0217	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.99	99.4	2.00	0.204	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.09	102	6.00	0.217	
Total BTEX	<0.300	0.300	11/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/04/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	214	107	200	0.546	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	238	119	200	15.5	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					
Surrogate: 1-Chlorooctane	93.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	109	% 46.3-17	8						

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Received:	11/03/2022	Sampling Date:	11/03/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-011-01.0-NA-P (H225205-06)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.93	96.5	2.00	0.371	
Toluene*	<0.050	0.050	11/10/2022	ND	2.04	102	2.00	0.0217	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.99	99.4	2.00	0.204	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.09	102	6.00	0.217	
Total BTEX	<0.300	0.300	11/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/04/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	214	107	200	0.546	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	238	119	200	15.5	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					
Surrogate: 1-Chlorooctane	112 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	129 9	% 46.3-17	8						

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Received:	11/03/2022	Sampling Date:	11/03/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-012-00.5-NA-P (H225205-07)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.93	96.5	2.00	0.371	
Toluene*	<0.050	0.050	11/10/2022	ND	2.04	102	2.00	0.0217	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.99	99.4	2.00	0.204	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.09	102	6.00	0.217	
Total BTEX	<0.300	0.300	11/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/04/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	179	89.7	200	9.13	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					
Surrogate: 1-Chlorooctane	113 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	122 9	% 46.3-17	8						

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Received:	11/03/2022	Sampling Date:	11/03/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-013-00.5-NA-P (H225205-08)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.93	96.5	2.00	0.371	
Toluene*	<0.050	0.050	11/10/2022	ND	2.04	102	2.00	0.0217	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.99	99.4	2.00	0.204	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.09	102	6.00	0.217	
Total BTEX	<0.300	0.300	11/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/04/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	179	89.7	200	9.13	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					
Surrogate: 1-Chlorooctane	108 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	118 9	46.3-17	8						

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Received:	11/03/2022	Sampling Date:	11/03/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-014-00.5-NA-P (H225205-09)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.93	96.5	2.00	0.371	
Toluene*	<0.050	0.050	11/10/2022	ND	2.04	102	2.00	0.0217	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.99	99.4	2.00	0.204	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.09	102	6.00	0.217	
Total BTEX	<0.300	0.300	11/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	87.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/04/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	179	89.7	200	9.13	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					
Surrogate: 1-Chlorooctane	112 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	118 9	46.3-17	8						

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Received:	11/03/2022	Sampling Date:	11/03/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-015-00.5-NA-P (H225205-10)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	11/10/2022	ND	1.93	96.5	2.00	0.371	
Toluene*	<0.050	0.050	11/10/2022	ND	2.04	102	2.00	0.0217	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.99	99.4	2.00	0.204	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.09	102	6.00	0.217	
Total BTEX	<0.300	0.300	11/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.2	% 69.9-14	0						
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	11/04/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	179	89.7	200	9.13	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					
Surrogate: 1-Chlorooctane	115 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	124 9	% 46.3-17	8						

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Received:	11/03/2022	Sampling Date:	11/03/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-016-00.5-NA-P (H225205-11)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.93	96.5	2.00	0.371	
Toluene*	<0.050	0.050	11/10/2022	ND	2.04	102	2.00	0.0217	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.99	99.4	2.00	0.204	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.09	102	6.00	0.217	
Total BTEX	<0.300	0.300	11/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/04/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	179	89.7	200	9.13	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					
Surrogate: 1-Chlorooctane	97.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	111 9	46.3-17	8						

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Received:	11/03/2022	Sampling Date:	11/03/2022
Reported:	11/10/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-017-00.5-NA-P (H225205-12)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/10/2022	ND	1.93	96.5	2.00	0.371	
Toluene*	<0.050	0.050	11/10/2022	ND	2.04	102	2.00	0.0217	
Ethylbenzene*	<0.050	0.050	11/10/2022	ND	1.99	99.4	2.00	0.204	
Total Xylenes*	<0.150	0.150	11/10/2022	ND	6.09	102	6.00	0.217	
Total BTEX	<0.300	0.300	11/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/04/2022	ND	400	100	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/08/2022	ND	179	89.7	200	9.13	
DRO >C10-C28*	<10.0	10.0	11/08/2022	ND	203	101	200	6.31	
EXT DRO >C28-C36	<10.0	10.0	11/08/2022	ND					
Surrogate: 1-Chlorooctane	111 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	121 9	46.3-17	8						

## Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

† Card			Delivered By: (Circle One) Observed Temp. °C S	Date: Received By:	Date:	KAWUU (New march	Relinquished By:	affiliates of successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated real	e-waves. An owner and control to be to independent and any other cause what be denoted waved uses made in wining and necked by Curdinal within 30 days after completion of the applicable service. In one event and Cardinal be the indicating of an owner wave that the denotes made in wining and necked by Curdinal within 30 days after completion of the applicable service. In one event and Cardinal be the indicating of an owner wave that the denotes made in wining and necked by Curdinal within 30 days after completion of the applicable service. In one event and Cardinal be the indicating of an owner wave that the denotes made in wining and necked by Curdinal within 30 days after completion of the applicable service. In owner, the denotes and the denotes in the denotes of the denotes are denoted by the denotes and the denotes in the denotes of the denotes are denoted by the denote are denoted by the denotes are denoted by the denote	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the am	/0 CF-015-00.5-NA-P C 1	9 CF-014-00.5-NA-P C 1	CF-013-00.5-NA-P C 1	7 CF-012-00.5-NA-P C 1	CF-011-01.0-NA-P C 1	CF-009-01.0-NA-P C 1	4 CF-008-01.0-NA-P C 1	CF-007-01.0-NA-P C 1	CF-006-01.0-NA-P C 1	CF-005-01.0-NA-P C 1	(G)RAB # CONT	AINERS DWATER	FOR LAB USE ONLY	Sampler Name: XI		Project Name: ANTELOPE RIDGE CDP dan@trinityoilfieldservices.com	Project Owner:	Phone #: Fax #:	City: Hobbs State: NM Zip:	Address: 8426 N Dal Paso	Project Manager: Dan Dunkelberg	Company Name: Trinity Oilfield Services	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
al cannot accep		Yes Yes	Sample Condition	By:	MM MIN	UNUMO.	By:	s of whether such claim is	vess made in writing and a business interruptions. Ior	hether based in contract of	×	×	×	×	×	×	X	×	×	×	WASTE SOIL OIL SLUDGI OTHER	WATER E	MATRIX	Fax	Ph	vices.com State:	(see below) City:	Ad	88241 Attn:	Co	P.C		s, NM 88240 393-2476
t verbal changes	Nº.	Innuals	CHECKED BY:		RANDA	1 / M	141	s based upon any of the al	received by Cardinal withins of use of profit	or tort, shall be limited to t	11/3/2022	11/3/2022	11/3/2022	11/3/2022	11/3/2022	11/3/2022	11/3/2022	11/3/2022	11/3/2022	11/3/2022	ACID/BA ICE / CC OTHER DATE	DOL	PRESERV.	Fay #:	Phone #:	ate: Zip:	Y:	Address:		Company: Mewb	P.O. #:	BILI	
+ Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	Correction Factor -0.6 °C	Thermometer ID #113	: Turnaround Time:	REMARKS:	A A	AllResults	Verbal Result:	bove stated reasons or otherwise	n 30 days after completion.	he amount paid by the client for the	122	)22	722	122	022	022	022	022	022	022	TE TIME		SAMPLING						Connor Walker	Mewbourn- Oil Co.		BILL TO	
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Page 15 of 16

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				f the applicable	after completion o	dinal within 30 days	nd received by Car	ss made in writing a	hed waived unlet	hatsoever shall be deer	analyses. All daims including those for negligence and any other cause whatboever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal he lable for includent or nonsemantal domages including which including the service in the servic	analyses. All claims including t service. In no event shall Card
				for the	it paid by the dient	imited to the amoun	ct or tort, shall be	ther based in contra	laim arising whe	clusive remedy for any o	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any daim arising whether based in contract or fort, shall be limited to the amount paid by the client for the	PLEASE NOTE: Liability and
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					SAMPLING	SAM	PRESERV.	MATRIX				FOR LAB USE ONLY
							Fax #:	F			XT	Sampler Name:
							Phone #:	7			ea Co., NM	
						Zip:	State:		fieldservic	dan@trinityoilfieldservices.com	ANTELOPE RIDGE CDP	Project Name:
							City:		: (see below)	Project Owner:		
							Address:	P		Fax #:		Phone #:
		2			9r	Connor Walker	Attn:		Zip: 88241	State: NM	Hobbs	City:
					oil Co.	Mewbourne Oil Co.	Company:	0			8426 N Dal Paso	Address:
							P.O. #:	P			Dan Dunkelberg	Project Manager: Dan Dunkelberg
ANALYSIS REQUEST						BILL TO					Company Name: Trinity Oilfield Services	Company Name:
CUSTODY AND ANALYSIS REQUEST	)F-CUS	CHAIN-OF-	<u>c</u>					NM 88240 393-2476	l, Hobbs, AX (575) 3	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	Laboratories (57	Lab
		-										



November 15, 2022

DAN DUNKELBERG TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS, NM 88241

RE: ANTELOPE RIDGE CDP

Enclosed are the results of analyses for samples received by the laboratory on 11/09/22 14:58.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TRINITY OI	LFIELD S	SERVICES & RENTALS, LLC	
DAN DUNKE	LBERG		
P. O. BOX 2	587		
HOBBS NM,	88241		
Fax To:	NONE		

Received:	11/09/2022	Sampling Date:	11/09/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-001-06.0-NA-P (H225302-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	1.60	80.0	2.00	16.9	
Toluene*	<0.050	0.050	11/13/2022	ND	1.67	83.5	2.00	15.8	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.67	83.4	2.00	16.8	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	5.17	86.2	6.00	15.3	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	11/10/2022	ND	400	100	400	3.92	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2022	ND	199	99.5	200	3.14	
DRO >C10-C28*	<10.0	10.0	11/10/2022	ND	200	99.9	200	6.24	
EXT DRO >C28-C36	<10.0	10.0	11/10/2022	ND					
Surrogate: 1-Chlorooctane	86.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	94.6	% 46.3-17	8						

## Cardinal Laboratories

### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	11/09/2022	Sampling Date:	11/09/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-010-09.5-NA-P (H225302-02)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	1.60	80.0	2.00	16.9	
Toluene*	<0.050	0.050	11/13/2022	ND	1.67	83.5	2.00	15.8	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.67	83.4	2.00	16.8	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	5.17	86.2	6.00	15.3	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	11/10/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2022	ND	199	99.5	200	3.14	
DRO >C10-C28*	11.3	10.0	11/10/2022	ND	200	99.9	200	6.24	
EXT DRO >C28-C36	<10.0	10.0	11/10/2022	ND					
Surrogate: 1-Chlorooctane	84.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	91.6	% 46.3-17	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OII	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	11/09/2022	Sampling Date:	11/09/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-018-00.5-NA-P (H225302-03)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	1.60	80.0	2.00	16.9	
Toluene*	<0.050	0.050	11/13/2022	ND	1.67	83.5	2.00	15.8	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.67	83.4	2.00	16.8	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	5.17	86.2	6.00	15.3	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/10/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2022	ND	199	99.5	200	3.14	
DRO >C10-C28*	<10.0	10.0	11/10/2022	ND	200	99.9	200	6.24	
EXT DRO >C28-C36	<10.0	10.0	11/10/2022	ND					
Surrogate: 1-Chlorooctane	93.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101 9	% 46.3-17	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	11/09/2022	Sampling Date:	11/09/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-019-00.5-NA-P (H225302-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	1.60	80.0	2.00	16.9	
Toluene*	<0.050	0.050	11/13/2022	ND	1.67	83.5	2.00	15.8	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.67	83.4	2.00	16.8	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	5.17	86.2	6.00	15.3	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	100 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/10/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2022	ND	199	99.5	200	3.14	
DRO >C10-C28*	<10.0	10.0	11/10/2022	ND	200	99.9	200	6.24	
EXT DRO >C28-C36	<10.0	10.0	11/10/2022	ND					
Surrogate: 1-Chlorooctane	89.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.5	% 46.3-17	8						

## Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	11/09/2022	Sampling Date:	11/09/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-020-00.5-NA-P (H225302-05)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	1.60	80.0	2.00	16.9	
Toluene*	<0.050	0.050	11/13/2022	ND	1.67	83.5	2.00	15.8	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.67	83.4	2.00	16.8	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	5.17	86.2	6.00	15.3	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/10/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2022	ND	199	99.5	200	3.14	
DRO >C10-C28*	<10.0	10.0	11/10/2022	ND	200	99.9	200	6.24	
EXT DRO >C28-C36	<10.0	10.0	11/10/2022	ND					
Surrogate: 1-Chlorooctane	97.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	106 9	% 46.3-17	8						

### Cardinal Laboratories

### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Received:	11/09/2022	Sampling Date:	11/09/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-021-00.5-NA-P (H225302-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	1.60	80.0	2.00	16.9	
Toluene*	<0.050	0.050	11/13/2022	ND	1.67	83.5	2.00	15.8	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.67	83.4	2.00	16.8	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	5.17	86.2	6.00	15.3	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/10/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2022	ND	199	99.5	200	3.14	
DRO >C10-C28*	<10.0	10.0	11/10/2022	ND	200	99.9	200	6.24	
EXT DRO >C28-C36	<10.0	10.0	11/10/2022	ND					
Surrogate: 1-Chlorooctane	96.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	107 9	% 46.3-17	8						

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### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	11/09/2022	Sampling Date:	11/09/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-022-00.5-NA-P (H225302-07)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	1.60	80.0	2.00	16.9	
Toluene*	<0.050	0.050	11/13/2022	ND	1.67	83.5	2.00	15.8	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.67	83.4	2.00	16.8	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	5.17	86.2	6.00	15.3	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/10/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2022	ND	199	99.5	200	3.14	
DRO >C10-C28*	<10.0	10.0	11/10/2022	ND	200	99.9	200	6.24	
EXT DRO >C28-C36	<10.0	10.0	11/10/2022	ND					
Surrogate: 1-Chlorooctane	90.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	98.0	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



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HOBBS NM,	88241	
Fax To:	NONE	

Received:	11/09/2022	Sampling Date:	11/09/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-023-00.5-NA-P (H225302-08)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	1.60	80.0	2.00	16.9	
Toluene*	<0.050	0.050	11/13/2022	ND	1.67	83.5	2.00	15.8	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.67	83.4	2.00	16.8	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	5.17	86.2	6.00	15.3	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.7	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/10/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2022	ND	199	99.5	200	3.14	
DRO >C10-C28*	<10.0	10.0	11/10/2022	ND	200	99.9	200	6.24	
EXT DRO >C28-C36	<10.0	10.0	11/10/2022	ND					
Surrogate: 1-Chlorooctane	93.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102	% 46.3-17	8						

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HOBBS NM,	88241	
Fax To:	NONE	

Received:	11/09/2022	Sampling Date:	11/09/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-024-00.5-NA-P (H225302-09)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	1.60	80.0	2.00	16.9	
Toluene*	<0.050	0.050	11/13/2022	ND	1.67	83.5	2.00	15.8	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.67	83.4	2.00	16.8	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	5.17	86.2	6.00	15.3	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/10/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2022	ND	199	99.5	200	3.14	
DRO >C10-C28*	<10.0	10.0	11/10/2022	ND	200	99.9	200	6.24	
EXT DRO >C28-C36	<10.0	10.0	11/10/2022	ND					
Surrogate: 1-Chlorooctane	91.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	99.7	% 46.3-17	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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DAN DUNKE	LBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	11/09/2022	Sampling Date:	11/09/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-025-00.5-NA-P (H225302-10)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	1.60	80.0	2.00	16.9	
Toluene*	<0.050	0.050	11/13/2022	ND	1.67	83.5	2.00	15.8	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.67	83.4	2.00	16.8	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	5.17	86.2	6.00	15.3	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	98.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	11/10/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2022	ND	199	99.5	200	3.14	
DRO >C10-C28*	<10.0	10.0	11/10/2022	ND	200	99.9	200	6.24	
EXT DRO >C28-C36	<10.0	10.0	11/10/2022	ND					
Surrogate: 1-Chlorooctane	94.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	109	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



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P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	11/09/2022	Sampling Date:	11/09/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-026-00.5-NA-P (H225302-11)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/15/2022	ND	1.68	83.9	2.00	18.9	
Toluene*	<0.050	0.050	11/15/2022	ND	1.75	87.7	2.00	17.9	
Ethylbenzene*	<0.050	0.050	11/15/2022	ND	1.77	88.3	2.00	16.8	
Total Xylenes*	<0.150	0.150	11/15/2022	ND	5.52	91.9	6.00	14.9	
Total BTEX	<0.300	0.300	11/15/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/10/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/10/2022	ND	199	99.5	200	3.14	
DRO >C10-C28*	<10.0	10.0	11/10/2022	ND	200	99.9	200	6.24	
EXT DRO >C28-C36	<10.0	10.0	11/10/2022	ND					
Surrogate: 1-Chlorooctane	94.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	110 9	46.3-17	8						

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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

#### Cardinal Laboratories

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

	Samplet - UPS - Dus - Oulet.		Delivered By: (Circle One)		Relinquished By:	Num	NJA	Relinquished By:	affiliates or successors ari	analyses. All claims includ	DI EASE NOTE: I Jakilika	2	0	. 7	6	s.	4		N	-	Lab I.D.	H225302	FOR LAB USE ONLY	Sampler Name:	Project Location: Lea Co., NM	Project Name:	Project #:	Phone #:	City:	Address:	Project Manager:	Company Name:	Labo
	us - Onici.		cle One)		a	5	AT A		ervice. In no event shall Cardinal be liable for incidental or const filiates or successors arising out of or related to the performance	analyses. At claims including those for negligence and any offer cause whatsoever shall be deemed valved unless made in writing and received by Cardinal within 30 days after completion of the spolicable analyses. At claims including those for negligence and any offer, cause whatsoever shall be deemed valved unless made in writing and received by Cardinal within 30 days after completion of the spolicable analyses. At claims including those for negligence and any offer, cause whatsoever shall be deemed valved unless made in writing and received by Cardinal within 30 days after completion of the spolicable analyses. At claims including those for negligence and any offer, including the spolicable analyses after the spolicable analyses.	10 EACE NOTE: I Jokets and Demander. Eardinally indefine and clearly exclusive remedy for any chain artisting whether based in contract or but, shall be limited to the amount paid by the dent for the	CF-024-00.5-NA-P	CF-023-00.5-NA-P	CF-022-00.5-NA-P	CF-021-00.5-NA-P	CF-020-00.5-NA-P	CF-019-00.5-NA-P	CF-018-00.5-NA-P	CF-010-09.5-NA-P	CF-001-06.0-NA-P	Sample I.D.			ΧΤ	: Lea Co., NM	ANTELOPE RIDGE CDP			Hobbs	8426 N Dal Paso	Dan Dunkelberg	Trinity Oilfield Services	Laboratories
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	No	A A				NUM N	non l		uch claim is based up	writing and received b	in contract or fort, sha										ICE /	ER : D/BASE: COOL	PRESERV.	Fax #:	Phone #:	State:	City:	Address:	Attn:	Compuny:	P.O. #:		- 40
	r .	(innui)	CHECKED BY:			1 BUDD		1.1	oon any of the above s	or loss of profits incur	I 1/3/2022	7707/R/LL	11/9/2022	11/9/2022	11/9/2022	11/9/2022	11/9/2022	11/9/2022	11/9/2022	11/9/2022	OT DATE	ER :				Zip:			Connor Walker	Mewbourne Oil Co		BILL TO	
	Correction Factor -0.6 °C	Thermometer ID #113	Turnaround Time:		REMARKS:	C	All Results are emailed. Please provide Email address:	Verbal Result:	tated reasons or other	ays after completion o red by client, its subsi	ount paid by the client										TIME		SAMPLING						er	Dil Co.			
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	Sampler - UPS - Bus - Other:	Delivered By: (Circle One)		Relinquished By:	Kiewy	Relinquished By;	service. In no event shall Ca affiliates or successors arisin	PLEASE NOTE: Liability and Dama analyses. All claims including those						11	#2253072 Lab I.D.	FOR LAB USE ONLY	Sampler Name:	Project Location: Lea Co., NM	Project Name:	Project #:	Phone #:	City:	Address:	Project Manager: Dan Dunkelberg	Company Name:	Lab
					S	>	rdinal be liable for incidental or conseing out of or related to the performance	d Damages. Cardinal's liability and cliv g those for negligence and any other c	and a second sec	 1	-	 	 	 CF-026-00.5-NA-P	Sample I.D.		ΧТ	Lea Co., NM	ANTELOPE RIDGE CDP			Hobbs	8426 N Dal Paso	Dan Dunkelberg	Company Name: Trinity Oilfield Services	aboratories
7,28		Observed Temp. °C	Time:	Date: Received By:	Time:458	Date: A 77 Received By:	service. In no event shall Candinal be lable for incidental or consecuental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiarie infliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	PLEASE NOTE: Lability and Damages. Candnats lability and clients exclusive remedy by any daminatisity whether coased in contract or out, soale of immed to see annount, you very services or out and the special sector of the applicable and any other cause whatsoever shall be deemed valved unless made in writing and received by Candnal within 30 days after completion of the applicable and any other cause whatsoever shall be deemed valved unless made in writing and received by Candnal within 30 days after completion of the applicable	- Be and the second by five more effective restriction to					C 1	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER				dan@trinityoilfieldservices.com	Project Owner: (see below)	Fax #:	State: NM Zip: 882				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
Alo No A    A    A    A    A    A    A	Yes Yes	tion		By:	Amara d	Byzy	s of whether such claim is based up	heaver based in contract or tort, sha less made in writing and received b	for Base of a nonlinear or forthe la					×	WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL	MATRIX PRESERV.	Fax #:	Phone #:	ces.com State:	slow) City:	Address:	88241 Attn:	Company:	P.O. #:		NM 88240 393-2476
Com	(Initials) The	3Y:	1	REA	A AD	Mal yért	clone, loss of use, or loss of profits incurred by client, its subsidiaries, claim is based upon any of the above stated reasons or otherwise.	in be limited to the amount paid y Cardinal within 36 days after	If he Emiled in the amount noid					11/9/2022	DATE	RV. SAMPLING			Zip:			Connor Walker	Mewbourne Oil Co.		BILL TO	
Correction Factor -0.6 °C	Thermometer ID #113	Turnaround Time:		REMARKS:	Results are emailed. P	Vérbal Result:	ent, its subsidiaries, sons or otherwise.	completion of the applicable	by the client for the					×	Time Chloride	ω									-	_
	Kush	Standard			All Results are emailed. Please provide Email address:	Yes No								××	втех								_			CHAIN-OF-
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Corrected Temp. °C	Observed temps of	ondition							-																_	CUSTODY AND ANALYSIS REQUEST
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Page 15 of 15



November 15, 2022

DAN DUNKELBERG TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS, NM 88241

RE: ANTELOPE RIDGE CDP

Enclosed are the results of analyses for samples received by the laboratory on 11/10/22 15:40.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TRINITY OII	FIELD SERVICES & RENTALS, LLC	
DAN DUNKE	LBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	11/10/2022	Sampling Date:	11/10/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-027-00.5-NA-P (H225349-01)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	2.00	100	2.00	7.09	
Toluene*	<0.050	0.050	11/13/2022	ND	2.07	103	2.00	7.72	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.98	98.8	2.00	7.17	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	6.02	100	6.00	7.88	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2022	ND	219	110	200	1.58	
DRO >C10-C28*	<10.0	10.0	11/11/2022	ND	235	117	200	0.0682	
EXT DRO >C28-C36	<10.0	10.0	11/11/2022	ND					
Surrogate: 1-Chlorooctane	99.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	99.6	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



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Received:	11/10/2022	Sampling Date:	11/10/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-028-00.5-NA-P (H225349-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	2.00	100	2.00	7.09	
Toluene*	<0.050	0.050	11/13/2022	ND	2.07	103	2.00	7.72	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.98	98.8	2.00	7.17	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	6.02	100	6.00	7.88	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	86.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2022	ND	219	110	200	1.58	
DRO >C10-C28*	<10.0	10.0	11/11/2022	ND	235	117	200	0.0682	
EXT DRO >C28-C36	<10.0	10.0	11/11/2022	ND					
Surrogate: 1-Chlorooctane	79.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	80.0	% 46.3-17	8						

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Received:	11/10/2022	Sampling Date:	11/10/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-029-00.5-NA-P (H225349-03)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	2.00	100	2.00	7.09	
Toluene*	<0.050	0.050	11/13/2022	ND	2.07	103	2.00	7.72	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.98	98.8	2.00	7.17	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	6.02	100	6.00	7.88	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	86.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2022	ND	219	110	200	1.58	
DRO >C10-C28*	<10.0	10.0	11/11/2022	ND	235	117	200	0.0682	
EXT DRO >C28-C36	<10.0	10.0	11/11/2022	ND					
Surrogate: 1-Chlorooctane	85.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	85.1	% 46.3-17	8						

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Received:	11/10/2022	Sampling Date:	11/10/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-030-00.5-NA-P (H225349-04)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	2.00	100	2.00	7.09	
Toluene*	<0.050	0.050	11/13/2022	ND	2.07	103	2.00	7.72	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.98	98.8	2.00	7.17	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	6.02	100	6.00	7.88	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	89.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2022	ND	219	110	200	1.58	
DRO >C10-C28*	<10.0	10.0	11/11/2022	ND	235	117	200	0.0682	
EXT DRO >C28-C36	<10.0	10.0	11/11/2022	ND					
Surrogate: 1-Chlorooctane	89.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	88.7	% 46.3-17	8						

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Received:	11/10/2022	Sampling Date:	11/10/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-031-00.5-NA-P (H225349-05)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	2.00	100	2.00	7.09	
Toluene*	<0.050	0.050	11/13/2022	ND	2.07	103	2.00	7.72	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.98	98.8	2.00	7.17	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	6.02	100	6.00	7.88	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	86.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2022	ND	219	110	200	1.58	
DRO >C10-C28*	<10.0	10.0	11/11/2022	ND	235	117	200	0.0682	
EXT DRO >C28-C36	<10.0	10.0	11/11/2022	ND					
Surrogate: 1-Chlorooctane	86.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	86.1	% 46.3-17	8						

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Received:	11/10/2022	Sampling Date:	11/10/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-032-00.5-NA-P (H225349-06)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	2.00	100	2.00	7.09	
Toluene*	<0.050	0.050	11/13/2022	ND	2.07	103	2.00	7.72	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.98	98.8	2.00	7.17	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	6.02	100	6.00	7.88	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	87.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2022	ND	219	110	200	1.58	
DRO >C10-C28*	<10.0	10.0	11/11/2022	ND	235	117	200	0.0682	
EXT DRO >C28-C36	<10.0	10.0	11/11/2022	ND					
Surrogate: 1-Chlorooctane	110 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	109 9	% 46.3-17	8						

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Received:	11/10/2022	Sampling Date:	11/10/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-033-00.5-NA-P (H225349-07)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	11/13/2022	ND	2.00	100	2.00	7.09	
Toluene*	<0.050	0.050	11/13/2022	ND	2.07	103	2.00	7.72	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.98	98.8	2.00	7.17	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	6.02	100	6.00	7.88	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	87.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2022	ND	219	110	200	1.58	
DRO >C10-C28*	<10.0	10.0	11/11/2022	ND	235	117	200	0.0682	
EXT DRO >C28-C36	<10.0	10.0	11/11/2022	ND					
Surrogate: 1-Chlorooctane	83.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	84.6	% 46.3-17	8						

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Received:	11/10/2022	Sampling Date:	11/10/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-034-00.5-NA-P (H225349-08)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	2.00	100	2.00	7.09	
Toluene*	<0.050	0.050	11/13/2022	ND	2.07	103	2.00	7.72	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.98	98.8	2.00	7.17	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	6.02	100	6.00	7.88	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	86.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2022	ND	219	110	200	1.58	
DRO >C10-C28*	<10.0	10.0	11/11/2022	ND	235	117	200	0.0682	
EXT DRO >C28-C36	<10.0	10.0	11/11/2022	ND					
Surrogate: 1-Chlorooctane	104 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	106 9	% 46.3-17	8						

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Received:	11/10/2022	Sampling Date:	11/10/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-035-02.0-NA-P (H225349-09)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	2.00	100	2.00	7.09	
Toluene*	<0.050	0.050	11/13/2022	ND	2.07	103	2.00	7.72	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.98	98.8	2.00	7.17	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	6.02	100	6.00	7.88	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	11/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2022	ND	219	110	200	1.58	
DRO >C10-C28*	<10.0	10.0	11/11/2022	ND	235	117	200	0.0682	
EXT DRO >C28-C36	<10.0	10.0	11/11/2022	ND					
Surrogate: 1-Chlorooctane	81.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	81.4	% 46.3-17	8						

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Received:	11/10/2022	Sampling Date:	11/10/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

### Sample ID: CF-036-02.0-NA-P (H225349-10)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	2.00	100	2.00	7.09	
Toluene*	<0.050	0.050	11/13/2022	ND	2.07	103	2.00	7.72	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.98	98.8	2.00	7.17	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	6.02	100	6.00	7.88	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	11/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2022	ND	210	105	200	0.522	
DRO >C10-C28*	<10.0	10.0	11/11/2022	ND	199	99.5	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	11/11/2022	ND					
Surrogate: 1-Chlorooctane	95.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102 9	% 46.3-17	8						

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Received:	11/10/2022	Sampling Date:	11/10/2022
Reported:	11/15/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

### Sample ID: SP-007-04.0-V-P (H225349-11)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/13/2022	ND	2.00	100	2.00	7.09	
Toluene*	<0.050	0.050	11/13/2022	ND	2.07	103	2.00	7.72	
Ethylbenzene*	<0.050	0.050	11/13/2022	ND	1.98	98.8	2.00	7.17	
Total Xylenes*	<0.150	0.150	11/13/2022	ND	6.02	100	6.00	7.88	
Total BTEX	<0.300	0.300	11/13/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	88.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	11/11/2022	ND	432	108	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/11/2022	ND	210	105	200	0.522	
DRO >C10-C28*	<10.0	10.0	11/11/2022	ND	199	99.5	200	2.72	
EXT DRO >C28-C36	<10.0	10.0	11/11/2022	ND					
Surrogate: 1-Chlorooctane	93.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	99.4	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **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.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Sampler - UPS - Bus - Other:	Delivered By: (Circle One)		Relinquished By:	- NAM	Relinquished By:	affiliates or successors arising	analyses. All claims including service. In no event shall Care	PLEASE NOTE: Liability and	1	DX	14	H	10	~~~	_		2	-	Lab I.D.	H225349			8	ame:	Project #:		City: H	Indress: 84	Project Manager: Dan Dunkelberg	Company Name: Tr	Labor
				5	F	affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless or wretter succious or over any very very very very very very very ver	analyses. All claims including those for negligence and any other cause whatsoever shall be opening wave unser an including the soft potts incurred by cleat. Its subsidiaries, service, in no event shall Cardinal be liable for incidental or consequential damages, including without invitation, business interruption, less of use, or boss of potts incurred by cleat. Its subsidiaries, service, in no event shall Cardinal be liable for incidental or consequential damages, including without invitation, business interruption, less of use, or boss of potts incurred by cleat. Its subsidiaries, service, in no event shall Cardinal be liable for incidental or consequential damages, including without invitation, subsidiaries, including without the second open of the above stabled reserves or otherwise.	PLEASE NOTE: Labelity and Damages. Cardinal's labelity and deen's exclusive remedy for any daim arising whether based in contract or tot, shall be limited to the amount paid by the disent for the PLEASE NOTE. Labelity and Damages. Cardinal's labelity and deen's exclusive remedy for any daim arising whether based in contract or tot, shall be limited to the amount paid by the disent for the PLEASE NOTE. Labelity and Damages. Cardinal's labelity and deen's exclusive remedy for any daim arising whether based in contract or tot, shall be limited to the amount paid by the disent for the PLEASE NOTE.	OF DOG DO D NA D	CE-035-09 0-NA-P	CE-034-00 5-NA-P	CF-033-00 5-NA-P	CF-032-00.5-NA-P	CF-031-00.5-NA-P	CF-030-00.5-NA-P	CF-029-00 5-NA-P	CF-028-00 5-NA-P	CF-027-00.5-NA-P	Sample I.D.			T	Lea Co NM	ANTELOPE RIDGE CDP			Hobbs	8426 N Dal Paso	an Dunkelberg	Company Name: Trinity Oilfield Services	aboratories
Corrected Temp. °C	Observed Temp. °C	Time:	Date:	TIME: HO	11-10-22	ce of services hereunder by Caro	r guge whatspever shall be deened waver uneversion of the solution of the solu	dient's exclusive remedy for any					0	0	C	C	С	С		BOR (C)OMP.				dan@trinityoilfie	Project Owner:	Fax #:	State: NM Zip:				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
No	Sample Condition		Received By:	Juni	harris .	sinal, regardless of whether su	med warred uniose made intern hout limitation, business intern	daim ansing whether based in	C 1 X	-	-	C 1 X	C 1 X	C 1 X	C 1 X	1	(1 X	: 1 X	# CON GROU	TAINERS NDWATER EWATER	MATRIX			dan@trinityoilfieldservices.com	(see below)		p: 88241				Hobbs, NM 88240 ( (575) 393-2476
o ŭ	1			NA NA		An executed to the	uptions, loss of use, o	contract or tort, shall											OTHE ACID/E ICE / C	R : BASE: COOL	PRESERV.	Fax #:	Phone #:	State:	City:	Address:	Attn:	Company:	P.O. #:		
1.0	CHECKED BY: (Initials)			W Dink	77 111	2.2	ir loss of profits incurre in any of the above sta	be limited to the amount of the amount of the second secon	11/10/2022	11/10/2022	11/10/2022	11/10/2022	11/10/2022	11/10/2022	11/10/2022	11/10/2022	11/10/2022	11/10/2022	DATE		SAMPLING			Zip:			Connor Walker	Mewbourne Oil Co.		BILL TO	
Thermometer ID #113 Correction Factor -0.6 °C	Turnaround Time:		REMARKS:		All Results are emailed. Please provide Email address:	Verbal Result:	d by client, its subsidiarie ted reasons or otherwise	int paid by the dient for s after completion of the											TIME		LING							Co.			_
#113 or -0.6 °C	ne:				emailed. Plea		e.	the applicable	× ×	××	×××	+	×	+	+	××	×	+													
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Corrected Temp. °C	Observed Temp. °C	Condition																													
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	Sampler - UPS - Bus - Other:	Delivered By: (Circle One)		Relinquished By:	NAU	Relinguished By:	service. In no event shall (	PLEASE NOTE: Liability analyses. All claims includi							M	Lab I.D.	HESSAH	ECO I AR LISE ONLY	Sampler Name:	Project Location: Lea Co., NM	Project Name:	Project #:	Phone #:				Company Name:	<b>NCAF</b>
				a	E	and out of senses a constant	service. In no event shall Cardinal be liable for incidental or conseq	ind Damages. Cardinal's liability and clising those for negligence and any other c		****		 1	1	1	 SP-007-04.0-V-P	Sample I.U.			XT	Lea Co., NM	ANTELOPE RIDGE CDP			Hobbs	8426 N Dal Paso	Dan Dunkelberg	Trinity Oilfield Services	Laboratories (5
+ Cardinal	Corrected Temp. °C	Observed Temp. °C	Time:	Date: Received By:	11-10:00	Date: , , , Received By;	arvice. In no event shall Cardinal be lable for incidental or consequental damages, including without limbaton, business manuporos, to services or your consequences of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive entried? war war unamary memory memory analyses. All claims including the for applicable memory mem	the new shares whether						G 1	(G # G W	5)RAB OR (C)OMP. CONTAINERS ROUNDWATER (ASTEWATER	M			dan@trinityoilfieldservices.com	Project Owner: (see below)	Fax #:	State: NM Zip: 88241				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
cannot accept verbal	No No	Sample Condition CHE(	-		Waha allu	1	whether such claim is based upon a	made in writing and received by Ca	r hased in contract or fort, shall be						×		OIL ILLUDGE DTHER : CID/BASE: CE / COOL DTHER :	MATRIX PRESERV.	Fax #:	Phone #:	State:	City:	Address:	Attn:	Company: N	P.O. #:		
changes. Please em	Correcti	(Initials)		REMARKS	All Resu	Verbal Result:	any of the above stated reasons	ardinal within 30 days after composes of profits incurred by client, it	and in contract or fort shall be limited to the amount paid by the client for the						11/10/2022	+	DATE	SAMPLING			Zip:			Connor Walker	Mewbourne Oil Co.		BILL ID	
hail changes to c	Thermometer ID #113 Correction Factor -0.6 °C	Turnaround Time:		KS:	ults are emailed. P	lesult:	or otherwise.	letion of the applicable s subsidiaries.	e client for the						*	+	Chloride										-	
+ Control cannot accent verhal changes. Please email changes to celey.keene@cardinallabsnm.com		Rush	_		All Results are emailed, Please provide Citian available										+	-	BTEX				3						_	CHAIN-OF-CUST
1.com	No	Cool Intact	Bacteria (only) Sample Condition			Add'l Phone #:					-														2	-		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST
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Page 15 of 15



November 22, 2022

DAN DUNKELBERG TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS, NM 88241

RE: ANTELOPE RIDGE CDP

Enclosed are the results of analyses for samples received by the laboratory on 11/17/22 15:54.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Whe Singh

Mike Snyder For Celey D. Keene Lab Director/Quality Manager



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

Received:	11/17/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: SP-008-01.0-HS-P (H225446-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/19/2022	ND	2.04	102	2.00	4.20	
Toluene*	<0.050	0.050	11/19/2022	ND	2.16	108	2.00	4.45	
Ethylbenzene*	<0.050	0.050	11/19/2022	ND	1.98	98.9	2.00	3.58	
Total Xylenes*	<0.150	0.150	11/19/2022	ND	5.94	99.1	6.00	3.79	
Total BTEX	<0.300	0.300	11/19/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/18/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	207	103	200	1.24	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	196	98.1	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					
Surrogate: 1-Chlorooctane	107	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	114 9	% 46.3-17	8						

### Cardinal Laboratories

#### \*=Accredited Analyte

mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



TRINITY OII	FIELD SERVICES & RENTALS, LLC	
DAN DUNKE	LBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	11/17/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

### Sample ID: SP-009-01.0-HS-P (H225446-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2022	ND	2.05	102	2.00	8.89	
Toluene*	<0.050	0.050	11/18/2022	ND	2.17	109	2.00	8.75	
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.13	107	2.00	8.71	
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.54	109	6.00	8.30	
Total BTEX	<0.300	0.300	11/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	94.2	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/18/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	207	103	200	1.24	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	196	98.1	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					
Surrogate: 1-Chlorooctane	110 9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	119 9	% 46.3-17	8						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



TR	INITY OIL	FIELD SE	RVICES	& RENTAL	_S, LLC
DA	N DUNKE	LBERG			
Ρ.	O. BOX 2	587			
HC	OBBS NM,	88241			
Fa	x To:	NONE			
i u		NONE			

Received:	11/17/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

#### Sample ID: SP-009-01.0-HN-P (H225446-03)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2022	ND	2.05	102	2.00	8.89	
Toluene*	<0.050	0.050	11/18/2022	ND	2.17	109	2.00	8.75	
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.13	107	2.00	8.71	
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.54	109	6.00	8.30	
Total BTEX	<0.300	0.300	11/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.1	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	11/18/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	207	103	200	1.24	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	196	98.1	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					
Surrogate: 1-Chlorooctane	97.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	107 9	46.3-17	8						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



Received:	11/17/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

#### Sample ID: SP-009-01.0-HW-P (H225446-04)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2022	ND	2.05	102	2.00	8.89	
Toluene*	<0.050	0.050	11/18/2022	ND	2.17	109	2.00	8.75	
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.13	107	2.00	8.71	
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.54	109	6.00	8.30	
Total BTEX	<0.300	0.300	11/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.8	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	11/18/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	207	103	200	1.24	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	196	98.1	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					
Surrogate: 1-Chlorooctane	99.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	110 9	46.3-17	8						

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



TRINITY OII	FIELD SERVICES & RENTALS, LLC	
DAN DUNKE	LBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	11/17/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

### Sample ID: CF-037-02.0-NA-P (H225446-05)

BTEX 8021B	mg,	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2022	ND	2.05	102	2.00	8.89	
Toluene*	<0.050	0.050	11/18/2022	ND	2.17	109	2.00	8.75	
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.13	107	2.00	8.71	
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.54	109	6.00	8.30	
Total BTEX	<0.300	0.300	11/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	11/18/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	207	103	200	1.24	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	196	98.1	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					
Surrogate: 1-Chlorooctane	101	45.3-16	1						
Surrogate: 1-Chlorooctadecane	109	46.3-17	8						

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#### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/17/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

### Sample ID: CF-038-02.0-NA-P (H225446-06)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2022	ND	2.05	102	2.00	8.89	
Toluene*	<0.050	0.050	11/18/2022	ND	2.17	109	2.00	8.75	
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.13	107	2.00	8.71	
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.54	109	6.00	8.30	
Total BTEX	<0.300	0.300	11/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	92.0	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	11/18/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	207	103	200	1.24	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	196	98.1	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					
Surrogate: 1-Chlorooctane	99.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	107 9	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/17/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

### Sample ID: CF-039-11.0-NA-P (H225446-07)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2022	ND	2.05	102	2.00	8.89	
Toluene*	<0.050	0.050	11/18/2022	ND	2.17	109	2.00	8.75	
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.13	107	2.00	8.71	
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.54	109	6.00	8.30	
Total BTEX	<0.300	0.300	11/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.6	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	11/18/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	207	103	200	1.24	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	196	98.1	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					
Surrogate: 1-Chlorooctane	98.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	109	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

Received:	11/17/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

### Sample ID: CF-040-05.0-NA-P (H225446-08)

BTEX 8021B	mg,	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2022	ND	2.05	102	2.00	8.89	
Toluene*	<0.050	0.050	11/18/2022	ND	2.17	109	2.00	8.75	
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.13	107	2.00	8.71	
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.54	109	6.00	8.30	
Total BTEX	<0.300	0.300	11/18/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	93.4	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	11/18/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	207	103	200	1.24	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	196	98.1	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					
Surrogate: 1-Chlorooctane	103	45.3-16	1						
Surrogate: 1-Chlorooctadecane	113 9	46.3-17	8						

### **Cardinal Laboratories**

#### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Mite Sugar

Mike Snyder For Celey D. Keene, Lab Director/Quality Manager

	Sampler - UPS - Bus - Other:	Delivered By: (Circle One)		Relinquished By:	MMA /	Relinquished By:	service. In no event shall Cardin affliates or successors arising o	analyses, All claims including the		1	80	7 0	6 0	SCF	4 SF	SE SE	L SP	_	-	Lab I.D.	Haashu	FOR LAB USE ONLY	Sampler Name: XT	Project Location: Lea	Project Name: ANT	Project #:	Phone #:		Address: 842	Project Manager: Dan Dunkelberg	Company Name: Trinity Oilfield Services	Laboratories	CARD
	- Other:				I WINTUS	+ 1.	service. In no event shall Cardinal ce lade for increment or conversion of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above states reserve or unannoometers and the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above states reserve or unannoometers and the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above states reserve or unannoometers.	PLEASE NOTE: Listening and anonymenon and any other cause whatsoever shall be deemed valved unless made in witing and received or y-currant mumin or unit or the standards. analyses. All claims including these for negligence and any other cause whatsoever shall be deemed valved unless		1	CF-040-05.0-NA-P	CF-039-11.0-NA-P	CF-038-02.0-NA-P	CF-037-02.0-NA-P	SP-009-01.0-HW-P	SP-009-01.0-HN-P	SP-009-01.0-HS-P	SP-UUT-UI.U-TIO-T		Sample I.D.				Lea Co., NM	ANTELOPE RIDGE CDP			bs	8426 N Dal Paso	Dunkelberg	ity Oilfield Services		ARDINAL
	Corrected Temp. °C	Observed Temp. °C	Time:	Date:	Time:SH	Date: 7-72	of services hereunder by Card	ause whatsoever shall be deen suental damages, including with	nt's exclusive remedy for any c							0 0		6	G		AB OR (C)OMP.				dan@trinityoiIffeldservices.com	Project Owner:		State: NM Zip:				(575) 393-2326 FAX (575) 393-2476	the East Marland Hobbs NM 88240
† Cardinal cannot accept verbal changes. Please email changes to construction	28 No No	9,4 Sample Condition		Received By:		Received By:	inal, regardless of whether suc	ned waived unless made in writ nout limitation, business internu	laim arising whether based in c		-	+		×	-	<u> </u>		-	1 X	# CC GRC WAS SOI	DNTAINERS DUNDWATER STEWATER L	MATRIX						88241				(575) 393-2476	ohhe NM 88240
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ase email cila	Thermometer ID #113 Correction Factor -0.6 °C		Turnaround Tin		REMARKS:	All Results are emailed. Please provide Email address:	d lease lis of ourse most	by client, its subsidiari	paid by the client for t after completion of the						,					TIME			NG NG					1				_	
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December 01, 2022

DAN DUNKELBERG TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS, NM 88241

RE: ANTELOPE RIDGE CDP

Enclosed are the results of analyses for samples received by the laboratory on 11/29/22 16:05.

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

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TRINITY C	ILFIELD SERVICES & RENTALS, LLO	С
DAN DUNK	ELBERG	
P. O. BOX	2587	
HOBBS NM	, 88241	
Fax To:	NONE	

Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/01/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

### Sample ID: SP-009-10.0-V-P (H225580-01)

BTEX 8021B	mg	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.85	92.6	2.00	1.59	
Toluene*	<0.050	0.050	11/30/2022	ND	2.10	105	2.00	0.873	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.13	107	2.00	0.882	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.52	109	6.00	0.518	
Total BTEX	<0.300	0.300	11/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 69.9-14	0						
Chloride, SM4500Cl-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	11/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	223	112	200	3.63	
DRO >C10-C28*	<10.0	10.0	11/30/2022	ND	205	102	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					
Surrogate: 1-Chlorooctane	84.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	88.8	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Received:	11/29/2022	Sampling Date:	11/29/2022
Reported:	12/01/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

### Sample ID: CF-041-10.0-NA-P (H225580-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/30/2022	ND	1.85	92.6	2.00	1.59	
Toluene*	<0.050	0.050	11/30/2022	ND	2.10	105	2.00	0.873	
Ethylbenzene*	<0.050	0.050	11/30/2022	ND	2.13	107	2.00	0.882	
Total Xylenes*	<0.150	0.150	11/30/2022	ND	6.52	109	6.00	0.518	
Total BTEX	<0.300	0.300	11/30/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/30/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/30/2022	ND	223	112	200	3.63	
DRO >C10-C28*	<10.0	10.0	11/30/2022	ND	205	102	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	11/30/2022	ND					
Surrogate: 1-Chlorooctane	98.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102 9	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

		labsnm.cor	@cardina	celey.keen	hanges to	ease email ch	changes. Ple	ept verbal	† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	† Cardir				
Corrected Temp. °C	No No Co				ctor -0.6 °C	Correction Factor -0.6 °C	.d	1	No No	1.1	14.(			
Observed Temp. °C	Intact		Rush			1	(Initials)	(1)	Cool Intact		fed Temp °C		Sampler - UPS - Bus - Other:	Samol
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					It for the	I unt paid by the clien	I limited to the amo	act or tort, shall b	hether based in contr	claim arising v	lusive remedy for any	PLEASE NOTE: Liability and Damages. Cardinal's liability and clent's exclusive remedy for any daim anising whether based in contract or tor, shall be limited to the amount paid by the clent for the	E NOTE: Liability and Damag	PLEASE
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								Phone #:	-			Co., NM	Project Location: Lea Co., NM	Proje
							Zip:	State:		lfieldsen	dan@trinityoilfieldservices.com	ANTELOPE RIDGE CDP	Project Name: ANTE	Proje
								City:		r: (see below)	Project Owner:		Project #:	Proje
								Address:			Fax #:		Phone #:	Phor
-						(er	Connor Walker	Attn:	88241	Zip: 8	State: NM		: Hobbs	City:
	-					Oil Co.	Mewbourne Oil Co.	Company:				8426 N Dal Paso	Address: 842	Add
								P.O. #:				Dunkelberg	Project Manager: Dan Dunkelberg	Proj
	ANALYSIS REQUEST	A			_		BILL TO					Company Name: Trinity Oilfield Services	npany Name: Trin	Com
IS REQUEST	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	-CUST	AIN-OI	<u>c</u>		,			s, NM 88240 393-2476	d, Hobb AX (575	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476			

Page 5 of 5



December 05, 2022

DAN DUNKELBERG TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS, NM 88241

RE: ANTELOPE RIDGE CDP

Enclosed are the results of analyses for samples received by the laboratory on 12/01/22 16:15.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TRINITY O	ILFIELD SERVICES & RENTALS, LLC	2
DAN DUNI	ELBERG	
P. O. BOX	2587	
HOBBS NN	I, 88241	
Fax To:	NONE	

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/05/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

### Sample ID: CW-001-00.5-NA-P (H225645-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2022	ND	2.07	103	2.00	9.13	
Toluene*	<0.050	0.050	12/03/2022	ND	2.18	109	2.00	9.59	
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	2.20	110	2.00	9.25	
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.63	111	6.00	9.71	
Total BTEX	<0.300	0.300	12/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	12/05/2022	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2022	ND	220	110	200	3.63	
DRO >C10-C28*	<10.0	10.0	12/04/2022	ND	201	100	200	9.60	
EXT DRO >C28-C36	<10.0	10.0	12/04/2022	ND					
Surrogate: 1-Chlorooctane	90.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	88.8	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/05/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

#### Sample ID: CW-002-00.5-NA-P (H225645-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2022	ND	2.07	103	2.00	9.13	
Toluene*	<0.050	0.050	12/03/2022	ND	2.18	109	2.00	9.59	
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	2.20	110	2.00	9.25	
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.63	111	6.00	9.71	
Total BTEX	<0.300	0.300	12/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	12/05/2022	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2022	ND	220	110	200	3.63	
DRO >C10-C28*	<10.0	10.0	12/04/2022	ND	201	100	200	9.60	
EXT DRO >C28-C36	<10.0	10.0	12/04/2022	ND					
Surrogate: 1-Chlorooctane	94.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	91.9	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OIL	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	LBERG	
P. O. BOX 25	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/05/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

#### Sample ID: CW-003-04.0-NA-P (H225645-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2022	ND	2.07	103	2.00	9.13	
Toluene*	<0.050	0.050	12/03/2022	ND	2.18	109	2.00	9.59	
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	2.20	110	2.00	9.25	
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.63	111	6.00	9.71	
Total BTEX	<0.300	0.300	12/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1140	16.0	12/05/2022	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2022	ND	220	110	200	3.63	
DRO >C10-C28*	<10.0	10.0	12/04/2022	ND	201	100	200	9.60	
EXT DRO >C28-C36	<10.0	10.0	12/04/2022	ND					
Surrogate: 1-Chlorooctane	90.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	89.8	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/05/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

#### Sample ID: CW-004-03.0-NA-P (H225645-04)

BTEX 8021B	mg/	′kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2022	ND	2.07	103	2.00	9.13	
Toluene*	<0.050	0.050	12/03/2022	ND	2.18	109	2.00	9.59	
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	2.20	110	2.00	9.25	
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.63	111	6.00	9.71	
Total BTEX	<0.300	0.300	12/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	115 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	12/05/2022	ND	448	112	400	3.64	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/04/2022	ND	220	110	200	3.63	
DRO >C10-C28*	<10.0	10.0	12/04/2022	ND	201	100	200	9.60	
EXT DRO >C28-C36	<10.0	10.0	12/04/2022	ND					
Surrogate: 1-Chlorooctane	100 \$	45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.6	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	12/01/2022	Sampling Date:	12/01/2022
Reported:	12/05/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

#### Sample ID: CW-005-03.0-NA-P (H225645-05)

BTEX 8021B	mg,	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/03/2022	ND	2.07	103	2.00	9.13	
Toluene*	<0.050	0.050	12/03/2022	ND	2.18	109	2.00	9.59	
Ethylbenzene*	<0.050	0.050	12/03/2022	ND	2.20	110	2.00	9.25	
Total Xylenes*	<0.150	0.150	12/03/2022	ND	6.63	111	6.00	9.71	
Total BTEX	<0.300	0.300	12/03/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/05/2022	ND	448	112	400	3.64	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/03/2022	ND	196	97.9	200	3.14	
DRO >C10-C28*	<10.0	10.0	12/03/2022	ND	233	116	200	2.05	
EXT DRO >C28-C36	<10.0	10.0	12/03/2022	ND					
Surrogate: 1-Chlorooctane	102	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

	Sampler - UPS - Bus - Other:		Delivered By: (Circle One)		Relinquished By:	/venue	the manufacture	Ralinguishad Ry	affiliates or successors aris	analyses. All claims includi						y.	4	w	ىل	_	Lab I.D.	too sut	FOR LAB USE ONLY	Sampler Name:	Project Location: Lea Co., NM	Project Name:	Project #:	Phone #:	City:	Address:	Project Manager:	Company Name:	
						Mannel (	1		service. In no event shall Cardinal be liable for incidential or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries and the second se	PLEXEX VIUE: Looping and balanged, saturate leading and detries exclusive entries or and an anising wreater sease in contract or and a more an exclusion of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable.		1		-		CW-005-03.0-NA-P	CW-004-03.0-NA-P	CW-003-04.0-NA-P	CW-002-00.5-NA-P	CW-001-00.5-NA-P	Sample I.D.			XT	Lea Co., NM	ANTELOPE RIDGE CDP		*	Hobbs	8426 N Dal Paso	Project Manager: Dan Dunkelberg	Trinity Oilfield Services	<b>CARDINAL</b> Laboratories
	Corrected Temp. °C		Observed Temp. °C	Time:	Date:	Time; 15	1-22	Date:	quental damages, including wi of services hereunder by Car	ause whatsoever shall be dee	D													2		dan@trinityoilfieldservices.com	Project Owner:	Fax #:	State: NM			0	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
+ Ca	S	1.1	2		Recei	P		Recei	dinal, reg	emed wain		+	+	-	+	C 1	C 1	C 1	C 1	C 1		AB OR (C)OMP.	-	42		lfields			Zip:				i, Hob AX (57
+ Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	No No	Cool Intact	Sample Condition		Received By:	10111	1.6	Received Rv:	ardless of whether suc	ved unless made in wri						×	×	×	×	×			MATRIX			ervices.com	(see below)		88241				obs, NM 8824 75) 393-2476
accept verbal	~ ii	1			(	Ma all			ptions, loss of use, or h claim is based upon	ting and received by (											OTH	ER : D/BASE: / COOL	PRESERV.	Fax #:	Phone #:	State:	City:	Address:	Attn:	Company:	P.O. #:		
changes. Ple	· 6	(Initials)	CHECKED BY:		1	Hat	10/1		any of the above stat	ardinal within 30 day						12/1/2022	12/1/2022	12/1/2022	12/1/2022	12/1/2022	DATE					Zip:			Connor Walker	Mewbourne Oil Co.		BILL TO	
ase email cha	Thermometer ID #113 Correction Factor -0.5 °C		Turnaround Time:		REMARKS:	0	All Results are emailed. Please provide Email address:	Verbal Result:	d by client, its subsidia ad reasons or otherwit	sed in contrast, or out, shall be limited to be annount, paid by the creets to use a in writing and received by Cardinal within 30 days after completion of the ap						÷					TIME		SAMPLING							I Co.			
riges to	#113 r -0.6 °C		ne:				emailed		nies,	ne applicabl						×	×	×	×	×	Chl	oride											
celey.keen							. Please prov	Yes								×	×	×	×	×	TPł	ł											CH
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December 13, 2022

DAN DUNKELBERG TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS, NM 88241

#### RE: ANTELOPE RIDGE CDP BOOSTER

Enclosed are the results of analyses for samples received by the laboratory on 12/02/22 16:25.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Total Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241	Project Number:	DAN DUNKELBERG	Reported: 13-Dec-22 09:55
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Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received	
CW-006-02.0	H225680-01	Soil	02-Dec-22 00:00	02-Dec-22 16:25	
CW-007-02.0	H225680-02	Soil	02-Dec-22 00:00	02-Dec-22 16:25	
CF-037-03.0	H225680-03	Soil	02-Dec-22 00:00	02-Dec-22 16:25	
CF-038-03.0	H225680-04	Soil	02-Dec-22 00:00	02-Dec-22 16:25	

12/13/22 - Sample IDs for -03 and -04 were not logged in correctly. This is the revised report and will replace the one sent on 12/09/22.

#### **Cardinal Laboratories**

### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OILFIELD SERVICES P. O. BOX 2587 HOBBS NM, 88241	& RENTALS, L	LC	Project Num Project Mana	ber: NO	r given I Dunkelb	DGE CDP BO	OOSTER	1	Reported: 3-Dec-22 09:	55
				-006-02. 580-01 (Se						
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	tories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	2120820	GM	08-Dec-22	4500-Cl-B	
Volatile Organic Compounds by	EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (PID)			105 %	69.9	-140	2120611	JH/	09-Dec-22	8021B	
Petroleum Hydrocarbons by GC	FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	2120622	MS	07-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2120622	MS	07-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2120622	MS	07-Dec-22	8015B	
Surrogate: 1-Chlorooctane			83.4 %	45.3	-161	2120622	MS	07-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			89.6 %	46.3	-178	2120622	MS	07-Dec-22	8015B	

### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

TRINITY OILFIELD SERVI P. O. BOX 2587 HOBBS NM, 88241	ICES & RENTALS, LLC		Project Num Project Mana	nber: NOT ager: DAN	<sup>-</sup> given I dunkelb		OOSTER	1	Reported: 3-Dec-22 09:	55
P. O. BOX 2587 HOBBS NM, 88241 Project Number: NOT GIVEN Project Manager: DAN DUNKELBERG Fax To: NONE CW-007-02.0 H225680-02 (Soil) Reporting										
P. O. BOX 2587 HOBDS NM, 88241       Project Number: NOT GIVEN Project Manager: DAN DUNKELBERG Fax To: NONE       13-Dec-22 09:55         MOE CW-007-02.0 H225680-02 (Soil)         CW-007-02.0 H225680-02 (Soil)         Analyze       MDL         Result MDL       Reporting Limit       Units       Dilution       Batch       Analyst       Analyzed       Method       Notes         Cardinal Laboratories         Inorganic Compounds by EPA Method 8021         Benzene*       <0.050       0.050       mg/kg       50       2120611       JH/       09-Dec-22       8021B         Total Kipens*         <0.050       0.050       mg/kg       50       2120611       JH/       09-Dec-22       8021B         Total Kipens*         <0.050       0.050       mg/kg       50       2120611       JH/       09-Dec-22       8021B         Total Kipens*         <0.050       0.050       mg/kg       50       2120611       JH/       09-Dec-22       8021B         Total Kipens*         <0.050       0.050       mg/kg       50       2120611       JH/       09-Dec-22       8021B <t< th=""><th></th></t<>										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	al Laborat	ories					
Inorganic Compounds										
Chloride	48.0		16.0	mg/kg	4	2120820	GM	08-Dec-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 80	21								
Benzene*	< 0.050		0.050	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		109 %	69.9	-140	2120611	JH/	09-Dec-22	8021B	
Project Number: NOT GIVEN       13-Dec-22 09:55         Project Manager: DAN DUNKELBERG Fax To: NONE       13-Dec-22 09:55         MoBBS NM, 88241         CEW-007-02.0 H225680-02 (Soil)         CEW-007-02.0 H225680-02 (Soil)         Cardinal Laboratories         Cardinal Laboratories         Cardinal Laboratories         Chloride       48.0       16.0       mg/kg       4       2120820       GM       08-Dec-22       4500-CLB         Volatile Organic Compounds         Volatile Organic Compounds by EPA Method 8021         Benzene*       <0.050										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2120622	MS	07-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2120622	MS	07-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2120622	MS	07-Dec-22	8015B	
Surrogate: 1-Chlorooctane			90.0 %	45.3	-161	2120622	MS	07-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			96.3 %	46.3-	-178	2120622	MS	07-Dec-22	8015B	

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

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## Analytical Results For:

TRINITY OILFIELD SERVE P. O. BOX 2587 HOBBS NM, 88241	ICES & RENTALS, LL	с	Project Num Project Mana	ber: NOT ager: DAN	<sup>-</sup> GIVEN I DUNKELB		DOSTER	1	Reported: 3-Dec-22 09:	55
P. O. BOX 2587 Project Number: NOT GIVEN 13-Dec-22 09:55										
P. O. BOX 2587 HOBBS NM, 88241       Project Number: NOT GIVEN Project Manager: DAN DUNKELBERG Fax To: NONE       13-Dec-22 09:55         International distance of the project Manager: DAN DUNKELBERG Fax To: NONE         CF-037-03.0 H225680-03 (Soil)         CF-037-03.0 H225680-03 (Soil)         Analyte         Analyte         Result       MDL       Reporting Limit       Dilution       Bach       Analyst       Analyzed       Method       Notes         Chloride         Othoride       304       16.0       mg/kg       4       2120820       GM       08-Dec-22       4500-Cl-B         Volatile Organic Compounds by EPA Method 8021         Benzene*       <0.050       mg/kg       50       2120611       JH/       09-Dec-22       8021B         Tolue*       <0.050       mg/kg       50										
Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	ıl Laborat	ories					
Inorganic Compounds										
Chloride	304		16.0	mg/kg	4	2120820	GM	08-Dec-22	4500-Cl-B	
Volatile Organic Compound	s by EPA Method 8	021								
Benzene*	< 0.050		0.050	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	PID)		107 %	69.9-	-140	2120611	JH/	09-Dec-22	8021B	
P. O. BOX 2587 HOBBS NM, 88241       Project Number: NOT GIVEN Project Manager: DAN DUNKELBERG Fax To: NONE       13-Dec-22 09:55         International Control (International Control (Intera (International Control (International Contr										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2120622	MS	07-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2120622	MS	07-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2120622	MS	07-Dec-22	8015B	
Surrogate: 1-Chlorooctane			83.5 %	45.3-	-161	2120622	MS	07-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			88.3 %	46.3-	-178	2120622	MS	07-Dec-22	8015B	

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OILFIELD SERVI P. O. BOX 2587 HOBBS NM, 88241	ICES & RENTALS, LI	-C	Project Num Project Mana	nber: NO <sup>-</sup> ager: DAN	f given N Dunkelb		DOSTER	1	Reported: 3-Dec-22 09:	55
			-							
P. O. BOX 2587 Project Number: NOT GIVEN 13-Dec-22 09:55										
P. O. BOX 2587       Project Number: NOT GIVEN       13-Dec-22 09:55         HOBBS NM, 88241       Project Manager: DAN DUNKELBERG Fax To: NONE       13-Dec-22 09:55         International Control (International Control (Internating (Intera (International Control (Intera (Internatio		Notes								
			Cardina	al Laborat	tories					
	352		16.0	mg/kg	4	2120820	GM	08-Dec-22	4500-Cl-B	
P. O. BOX 2587       Project Number: NOT GIVEN       13-Dec-22 09:55         HOBBS NM, 88241       Project Manager: DAN DUNKELBERG Fax To: NONE       13-Dec-22 09:55         International Control (International Contro (Internatint))       International Conteracot (Internat										
Benzene*	0.062		0.050	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Toluene*	0.188		0.050	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Total BTEX	0.369		0.300	mg/kg	50	2120611	JH/	09-Dec-22	8021B	
Surrogate: 4-Bromofluorobenzene (P	ID)		108 %	69.9	-140	2120611	JH/	09-Dec-22	8021B	
P. O. BOX 2587       Project Number: NOT GIVEN       13-Dec-22 09:55         HOBBS NM, 88241       Project Manager: DAN DUNKELBERG Fax To: NONE       13-Dec-22 09:55         International Control (Control (Contro) (Contro))       Nathere (Control (Contro))										
GRO C6-C10*	<10.0		10.0	mg/kg	1	2120622	MS	07-Dec-22	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	2120622	MS	07-Dec-22	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	2120622	MS	07-Dec-22	8015B	
Surrogate: 1-Chlorooctane			86.8 %	45.3	-161	2120622	MS	07-Dec-22	8015B	
Surrogate: 1-Chlorooctadecane			92.0 %	46.3	-178	2120622	MS	07-Dec-22	8015B	

#### **Cardinal Laboratories**

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



## **Inorganic Compounds - Quality Control**

# **Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2120820 - 1:4 DI Water										
Blank (2120820-BLK1)				Prepared &	Analyzed:	08-Dec-22				
Chloride	ND	16.0	mg/kg							
LCS (2120820-BS1)				Prepared &	Analyzed:	08-Dec-22				
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (2120820-BSD1)				Prepared &	Analyzed:	08-Dec-22				
Chloride	400	16.0	mg/kg	400		100	80-120	3.92	20	

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager


TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241	Project Number:	DAN DUNKELBERG	Reported: 13-Dec-22 09:55	
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# Volatile Organic Compounds by EPA Method 8021 - Quality Control

# **Cardinal Laboratories**

		Reporting		Spike	Source		%REC		RPD	
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 2120611 - Volatiles										
Blank (2120611-BLK1)				Prepared: (	)6-Dec-22 A	Analyzed: (	9-Dec-22			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0536		mg/kg	0.0500		107	69.9-140			
LCS (2120611-BS1)				Prepared: (	)6-Dec-22 A	Analyzed: (	9-Dec-22			
Benzene	2.06	0.050	mg/kg	2.00		103	83.4-122			
Toluene	2.07	0.050	mg/kg	2.00		103	84.2-126			
Ethylbenzene	2.02	0.050	mg/kg	2.00		101	84.2-121			
m,p-Xylene	4.25	0.100	mg/kg	4.00		106	89.9-126			
o-Xylene	1.98	0.050	mg/kg	2.00		99.2	84.3-123			
Total Xylenes	6.24	0.150	mg/kg	6.00		104	89.1-124			
Surrogate: 4-Bromofluorobenzene (PID)	0.0519		mg/kg	0.0500		104	69.9-140			
LCS Dup (2120611-BSD1)				Prepared: (	)6-Dec-22 A	Analyzed: (	9-Dec-22			
Benzene	2.14	0.050	mg/kg	2.00		107	83.4-122	3.71	12.6	
Toluene	2.15	0.050	mg/kg	2.00		107	84.2-126	3.98	13.3	
Ethylbenzene	2.12	0.050	mg/kg	2.00		106	84.2-121	4.62	13.9	
m,p-Xylene	4.42	0.100	mg/kg	4.00		110	89.9-126	3.87	13.6	
o-Xylene	2.11	0.050	mg/kg	2.00		106	84.3-123	6.20	14.1	
Total Xylenes	6.53	0.150	mg/kg	6.00		109	89.1-124	4.62	13.4	
Surrogate: 4-Bromofluorobenzene (PID)	0.0542		mg/kg	0.0500		108	69.9-140			

# Cardinal Laboratories

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS NM, 88241	Project Number:	DAN DUNKELBERG	Reported: 13-Dec-22 09:55	
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# Petroleum Hydrocarbons by GC FID - Quality Control

# **Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 2120622 - General Prep - Organics										
Blank (2120622-BLK1)				Prepared: (	)6-Dec-22 A	Analyzed: (	7-Dec-22			
GRO C6-C10	ND	10.0	mg/kg							
DRO >C10-C28	ND	10.0	mg/kg							
EXT DRO >C28-C36	ND	10.0	mg/kg							
Surrogate: 1-Chlorooctane	38.2		mg/kg	50.0		76.5	45.3-161			
Surrogate: 1-Chlorooctadecane	41.2		mg/kg	50.0		82.4	46.3-178			
LCS (2120622-BS1)				Prepared: (	)6-Dec-22 A	Analyzed: (	7-Dec-22			
GRO C6-C10	181	10.0	mg/kg	200		90.6	76.8-124			
DRO >C10-C28	178	10.0	mg/kg	200		89.2	74.9-127			
Total TPH C6-C28	360	10.0	mg/kg	400		89.9	77.5-124			
Surrogate: 1-Chlorooctane	46.0		mg/kg	50.0		92.0	45.3-161			
Surrogate: 1-Chlorooctadecane	53.1		mg/kg	50.0		106	46.3-178			
LCS Dup (2120622-BSD1)				Prepared: (	)6-Dec-22 A	Analyzed: 0	7-Dec-22			
GRO C6-C10	171	10.0	mg/kg	200		85.7	76.8-124	5.51	17.2	
DRO >C10-C28	167	10.0	mg/kg	200		83.5	74.9-127	6.64	18.6	
Total TPH C6-C28	338	10.0	mg/kg	400		84.6	77.5-124	6.07	17.6	
Surrogate: 1-Chlorooctane	48.3		mg/kg	50.0		96.5	45.3-161			
Surrogate: 1-Chlorooctadecane	54.3		mg/kg	50.0		109	46.3-178			

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

FORM-000 K 3.3	Sampler - UPS - Bus -	Delivered By: (Circle One)	ished By:	Relinquished By:	PLEASE NOI E: Lacuny and Common analyses. All claims including those fit service. In no event shall Cardinal be	State LOTE, Liblik and Damon		4 8-	-3) 5	2 (2)	HLLJOD (IN-	int a	Lab I.D.	FOR LAB USE UNLY	Sampler Name: /	Project Location: V	Project Name: ANACIONE	Project #:	le #:	HIMA	0	0	Company Name: TYYY	101 Ea (575)
t Cardinal	Other: Corrects	)ne) Observed Temp. °C			PLEASE WVIE: Leaving and vorticities of regligence and any other cause whatsoever shall be deemed waived unless made in writing and received or Vortimum work over some analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received or Vortimum work over some sources. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profils incurred by client, its subsidiaries, service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profils incurred by client, its subsidiaries, service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profils incurred by client, its subsidiaries, service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business interruptions, loss of use, or loss of profils incurred by client, its subsidiaries, service. In no event shall Cardinal be to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	are non-north Listia and Damages. Cordinal's liability and client's exclusive remedy for any claim arising whether based in contract or bot, shall be limited to the amount paid by the client for the		038-0300	037-03.0	010-020	12-006-020		Sample I.D.			MMM	ONE FIGHE COP BOUSHI	Project Owner:	Fax #:	State: NM	N.Dalpaso	unial ber	INHY DIFIELD PENICOX	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
cannot accept verbal chan	15,5 LYes LYes	16,1 Sample Col	Received By:	-	deemed waived unless made in writing and re g without limitation, business interruptions, los Cardinal, regardless of whether such claim is l	any claim arising whether based in contract or		X	X	X I	/ ×	# CON GROU	states and the state of the sta	S ER	MATRIX	Fa			Ad	Zip: XX240 Att	Co	P.O.		o 0
nges. Please email chanç	4	CHECKED BY: (Initials)		Marker A	s of use, or loss of profits incurred by clien based upon any of the above stated reaso	tort, shall be limited to the amount paid by		19100	2012121	edelet	-	ACID ICE / OTHI	/BASE: COOL		PRESERV. SAMPLING	Phone #: Fax #:	State: 21p:		Address:	Attn: Connuy Walker	'Q	*	BILL TO	
Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinaliabsiliii.com		ne: Standard M Rush	Hel		Ŧ	molein for the applicable			×7 ×7	2772		-	<u>hlor</u> TPH BTE		0									ANALYSIS RED
	Vo Corrected Temp. "C	s (VI	es. Wm								*													REQUEST

# Page 11 of 11

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PS



December 13, 2022

DAN DUNKELBERG TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS, NM 88241

RE: ANTELOPE RIDGE CDP

Enclosed are the results of analyses for samples received by the laboratory on 12/06/22 16:32.

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

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



/ICES & RENTALS, LLC								
DAN DUNKELBERG								
P. O. BOX 2587								

Received:	12/06/2022	Sampling Date:	12/06/2022
Reported:	12/13/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

# Sample ID: CF-042-03.0-NA-P (H225728-01)

BTEX 8021B	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2022	ND	2.09	104	2.00	1.32	
Toluene*	<0.050	0.050	12/10/2022	ND	2.10	105	2.00	0.732	
Ethylbenzene*	<0.050	0.050	12/10/2022	ND	2.11	106	2.00	0.255	
Total Xylenes*	<0.150	0.150	12/10/2022	ND	6.40	107	6.00	0.480	
Total BTEX	<0.300	0.300	12/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	113 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2022	ND	179	89.4	200	2.14	
DRO >C10-C28*	<10.0	10.0	12/08/2022	ND	189	94.7	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					
Surrogate: 1-Chlorooctane	70.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	73.4	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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

Received:	12/06/2022	Sampling Date:	12/06/2022
Reported:	12/13/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

# Sample ID: CF-043-03.0-NA-P (H225728-02)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2022	ND	2.09	104	2.00	1.32	
Toluene*	<0.050	0.050	12/10/2022	ND	2.10	105	2.00	0.732	
Ethylbenzene*	<0.050	0.050	12/10/2022	ND	2.11	106	2.00	0.255	
Total Xylenes*	<0.150	0.150	12/10/2022	ND	6.40	107	6.00	0.480	
Total BTEX	<0.300	0.300	12/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2022	ND	179	89.4	200	2.14	
DRO >C10-C28*	<10.0	10.0	12/08/2022	ND	189	94.7	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					
Surrogate: 1-Chlorooctane	67.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	72.5	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	12/06/2022	Sampling Date:	12/06/2022
Reported:	12/13/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-044-03.0-NA-P (H225728-03)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2022	ND	2.09	104	2.00	1.32	
Toluene*	<0.050	0.050	12/10/2022	ND	2.10	105	2.00	0.732	
Ethylbenzene*	<0.050	0.050	12/10/2022	ND	2.11	106	2.00	0.255	
Total Xylenes*	<0.150	0.150	12/10/2022	ND	6.40	107	6.00	0.480	
Total BTEX	<0.300	0.300	12/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2022	ND	179	89.4	200	2.14	
DRO >C10-C28*	<10.0	10.0	12/08/2022	ND	189	94.7	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					
Surrogate: 1-Chlorooctane	68.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	72.6	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	12/06/2022	Sampling Date:	12/06/2022
Reported:	12/13/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-045-03.0-NA-P (H225728-04)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2022	ND	2.09	104	2.00	1.32	
Toluene*	<0.050	0.050	12/10/2022	ND	2.10	105	2.00	0.732	
Ethylbenzene*	<0.050	0.050	12/10/2022	ND	2.11	106	2.00	0.255	
Total Xylenes*	<0.150	0.150	12/10/2022	ND	6.40	107	6.00	0.480	
Total BTEX	<0.300	0.300	12/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2022	ND	179	89.4	200	2.14	
DRO >C10-C28*	<10.0	10.0	12/08/2022	ND	189	94.7	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					
Surrogate: 1-Chlorooctane	63.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	67.9	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	.587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	12/06/2022	Sampling Date:	12/06/2022
Reported:	12/13/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

#### Sample ID: CW-003-04.0-NA-P (H225728-05)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2022	ND	2.09	104	2.00	1.32	
Toluene*	<0.050	0.050	12/10/2022	ND	2.10	105	2.00	0.732	
Ethylbenzene*	<0.050	0.050	12/10/2022	ND	2.11	106	2.00	0.255	
Total Xylenes*	<0.150	0.150	12/10/2022	ND	6.40	107	6.00	0.480	
Total BTEX	<0.300	0.300	12/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	12/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2022	ND	179	89.4	200	2.14	
DRO >C10-C28*	<10.0	10.0	12/08/2022	ND	189	94.7	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					
Surrogate: 1-Chlorooctane	61.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	66.0	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Received:	12/06/2022	Sampling Date:	12/06/2022
Reported:	12/13/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

#### Sample ID: SP-008-02.0-V-P (H225728-06)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/10/2022	ND	2.09	104	2.00	1.32	
Toluene*	<0.050	0.050	12/10/2022	ND	2.10	105	2.00	0.732	
Ethylbenzene*	<0.050	0.050	12/10/2022	ND	2.11	106	2.00	0.255	
Total Xylenes*	<0.150	0.150	12/10/2022	ND	6.40	107	6.00	0.480	
Total BTEX	<0.300	0.300	12/10/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	108	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/09/2022	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2022	ND	179	89.4	200	2.14	
DRO >C10-C28*	<10.0	10.0	12/08/2022	ND	189	94.7	200	2.63	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					
Surrogate: 1-Chlorooctane	60.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	64.2	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

<b>CARDINAL</b> Laboratories	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		5	CHAI	AN	ANALYSIS REQUEST		
Company Name: Trinity Oilfield Services		BILL TO	0					
Project Manager: Dan Dunkelberg		P.O. #:		2				
Address: 8426 N Dal Paso		Company: Mewbourne Oil Co.	ne Oil Co.					
ess:	State: NM Zip: 88241	Attn: Connor Walker	/alker					
		Address:						
Phone #:	Project Owner: (see below)	City:		_				_
	TD I	State: Zip:		_				
Project Name: ANTELOPE RIDGE CDP	dan@uninyonnenaers.co.co.	#						
Project Location: Lea Co., NM								
Sampler Name: XT		FaX #:						
	MATRIX	PRESERV.	SAMPLING					
	RS TER							
Bershelt		JDGE HER : ID/BASE: E / COOL HER :		PH	TEX			
Lab I.D. Sample I.D.	(G) # C GR WA SO OIL	AC ICE OT	TIME	+	×B			
CF-042-03.0-NA-P	C 1 X	12/6/2022		+	×			
CF-043-03.0-NA-P	C 1 X	12/6/2022		+	× >			
CF-044-03.0-NA-P	1	12/6/2022	× × 221	+	× :			
CF-045-03.0-NA-P	C 1 X			+	×			
S CW-003-04.0-NA-P	C 1 X	770710/71		-	×			
1 o SP-008-02.0-V-P	G 1 X	12/6/2022		+				
1								
	r n l Trumblin ruhañan hann	in contract or tort shall be limited to	the amount paid by the client for the					
PLEASE NOTE: Lubbity and Jamages. Cardnal's liabity and dents excusions universe and universe made in writing and neaked by Cardnal within 30 days after completion of the applicable analyses. All daims including those to neglegence and any other cause whatewere shall be deemed winder universe made in writing and neaked by Cardnal within 30 days after completions of the applicable analyses. All daims including those to neglegence and any other cause whatewere shall be deemed winder universe made in writing and neaked by Cardnal within 30 days after completions of the applicable analyses. All daims including those to neglegence and any other cause whatewere the able to including the completions of the applicable analyses. Including without limbdon, business interruptions, loss of use, or loss of ports incrude by client. Its subsidiaries.	calents exclusive termory on any owner where the standard in the cause whatsoever shall be deemed waived unless made in nsequential damages, including without limitation, business in	verifing and received by Cardinal with erruptions, loss of use, or loss of profit	in 30 days after completion of the applic ts incurred by client, its subsidiaries,	able				
affiliates or successors arising out of or related to the performance of services hereunder by Candinal, regardless of whether such claim is based upon any or we accreate any or we accreate the services hereunder by Candinal, regardless of whether such claim is based upon any or we accreate accreate the services hereunder by Candinal, regardless of whether such claim is based upon any or we accreate accreate the services hereunder by Candinal, regardless of whether such claim is based upon any or we accreate accreate the services hereunder by Candinal, regardless of whether such claim is based upon any or we accreate the services hereunder by Candinal, regardless of whether such claim is based upon any or we accreate the services hereunder by Candinal, regardless of whether such claim is based upon any or we accreate the services hereunder by Candinal, regardless of whether such claim is based upon any or we accreate the services hereunder by Candinal, regardless of whether such claims is based upon any or we accreate the services herein the services here the services herein therein the services herein the se	ince of services hereunder by Cardinal, regardless of whether	such claim is based upon any or ure a	Verhal Result:	Yes	No Add	Add'l Phone #:		
Relinquished By: Noch Halmb	Time; 27	MINAR I MA	All Results are emailed. Please provide Email address:	led. Please provid	le Email address:			
Relinquished By:	Date: Received By:	Contraction of the second	REMARKS:					
	Time:				_	Bacteria (only) Sample Condition	Condition	
Delivered By: (Circle One)	Observed Temp. °C/8,8 Sample Condition	ndition CHECKED BY: act (Initials)	Y: Turnaround Time:	<b>R</b> (0	Rush	Cool Intact	Observed Temp. °C	
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Tres	Thermometer ID #113 Correction Factor -0.6 °C	ĉ		NO NO	Corrected Temp. °C	
	† Cardinal can	not accept verbal chang	+ Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabsnm.com	s to celey.keene	e@cardinallabsnm.c	om		

Page 9 of 9



December 14, 2022

DAN DUNKELBERG TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS, NM 88241

RE: ANTELOPE RIDGE CDP

Enclosed are the results of analyses for samples received by the laboratory on 12/08/22 11:42.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	12/08/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

# Sample ID: CF-046-03.0-NA-P (H225778-01)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34	
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47	
Total BTEX	<0.300	0.300	12/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/09/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	190	94.9	200	7.19	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	105	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	104	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OII	FIELD SERVICES & RENTALS, LLC	
DAN DUNKE	LBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	12/08/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-047-02.0-NA-P (H225778-02)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34	
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47	
Total BTEX	<0.300	0.300	12/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	12/09/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	190	94.9	200	7.19	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	94.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	95.2	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	FIELD SERVICES & RENTALS, LLC	
DAN DUNKE	LBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	12/08/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

# Sample ID: CF-048-02.0-NA-P (H225778-03)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34	
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47	
Total BTEX	<0.300	0.300	12/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/09/2022	ND	432	108	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	190	94.9	200	7.19	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	87.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	87.6	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Received:	12/08/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

### Sample ID: CF-049-02.0-NA-P (H225778-04)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34	
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47	
Total BTEX	<0.300	0.300	12/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	12/09/2022	ND	432	108	400	0.00	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	190	94.9	200	7.19	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	91.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	91.1	% 46.3-17	8						

#### Cardinal Laboratories

\*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Received:	12/08/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

# Sample ID: CF-050-02.0-NA-P (H225778-05)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34	
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47	
Total BTEX	<0.300	0.300	12/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/09/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	190	94.9	200	7.19	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	183	91.5	200	2.49	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	81.6	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	82.5	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Received:	12/08/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

# Sample ID: CF-051-02.0-NA-P (H225778-06)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34	
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47	
Total BTEX	<0.300	0.300	12/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/09/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2022	ND	181	90.6	200	24.0	
DRO >C10-C28*	<10.0	10.0	12/08/2022	ND	159	79.5	200	26.4	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					
Surrogate: 1-Chlorooctane	88.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	95.7	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OII	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	LBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	12/08/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

### Sample ID: CF-052-02.0-NA-P (H225778-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34	
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47	
Total BTEX	<0.300	0.300	12/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	112 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	12/09/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/08/2022	ND	181	90.6	200	24.0	
DRO >C10-C28*	<10.0	10.0	12/08/2022	ND	159	79.5	200	26.4	
EXT DRO >C28-C36	<10.0	10.0	12/08/2022	ND					
Surrogate: 1-Chlorooctane	99.2	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	108	% 46.3-17	8						

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Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager



Received:	12/08/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-053-03.0-NA-P (H225778-08)

BTEX 8021B	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/11/2022	ND	2.07	104	2.00	2.34	
Toluene*	<0.050	0.050	12/11/2022	ND	2.15	108	2.00	1.14	
Ethylbenzene*	<0.050	0.050	12/11/2022	ND	2.22	111	2.00	1.28	
Total Xylenes*	<0.150	0.150	12/11/2022	ND	6.71	112	6.00	1.47	
Total BTEX	<0.300	0.300	12/11/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	12/09/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	181	90.6	200	24.0	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	159	79.5	200	26.4	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	95.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	103 9	% 46.3-17	8						

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Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



Received:	12/08/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-054-03.0-NA-P (H225778-09)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	6.72	
Toluene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	6.48	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.06	103	2.00	6.92	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.30	105	6.00	5.29	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	12/09/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	181	90.6	200	24.0	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	159	79.5	200	26.4	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	87.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	93.9	% 46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



Received:	12/08/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

# Sample ID: CF-055-03.0-NA-P (H225778-10)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	6.72	
Toluene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	6.48	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.06	103	2.00	6.92	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.30	105	6.00	5.29	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	107 5	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/09/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	181	90.6	200	24.0	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	159	79.5	200	26.4	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	82.7	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	88.2	% 46.3-17	8						

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Received:	12/08/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

# Sample ID: CF-056-05.0-NA-P (H225778-11)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	6.72	
Toluene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	6.48	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.06	103	2.00	6.92	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.30	105	6.00	5.29	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	12/09/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	181	90.6	200	24.0	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	159	79.5	200	26.4	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	89.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.4	% 46.3-17	8						

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Received:	12/08/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

# Sample ID: CF-057-08.0-NA-P (H225778-12)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	6.72	
Toluene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	6.48	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.06	103	2.00	6.92	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.30	105	6.00	5.29	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 69.9-14	0						
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	12/09/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	181	90.6	200	24.0	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	159	79.5	200	26.4	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	94.4	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101 9	% 46.3-17	8						

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Received:	12/08/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

# Sample ID: CF-058-08.0-NA-P (H225778-13)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	6.72	
Toluene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	6.48	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.06	103	2.00	6.92	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.30	105	6.00	5.29	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	12/09/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	181	90.6	200	24.0	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	159	79.5	200	26.4	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	92.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	101 9	46.3-17	8						

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Celey D. Keene, Lab Director/Quality Manager



Received:	12/08/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

# Sample ID: CF-059-09.0-NA-P (H225778-14)

BTEX 8021B	mg/	′kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	6.72	
Toluene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	6.48	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.06	103	2.00	6.92	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.30	105	6.00	5.29	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	12/09/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	181	90.6	200	24.0	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	159	79.5	200	26.4	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	81.5	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	87.4	% 46.3-17	8						

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Received:	12/08/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

#### Sample ID: CW-008-01.0-NA-P (H225778-15)

BTEX 8021B	mg,	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	6.72	
Toluene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	6.48	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.06	103	2.00	6.92	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.30	105	6.00	5.29	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	69.9-14	0						
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	12/09/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	181	90.6	200	24.0	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	159	79.5	200	26.4	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	98.8	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	108	46.3-17	8						

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Received:	12/08/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CW-009-02.0-NA-P (H225778-16)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	6.72	
Toluene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	6.48	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.06	103	2.00	6.92	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.30	105	6.00	5.29	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/09/2022	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	181	90.6	200	24.0	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	159	79.5	200	26.4	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	89.0	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	96.8	% 46.3-17	8						

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Fax To:	NONE	

Received:	12/08/2022	Sampling Date:	12/07/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

# Sample ID: CW-010-02.0-NA-P (H225778-17)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	6.72	
Toluene*	<0.050	0.050	12/09/2022	ND	2.08	104	2.00	6.48	
Ethylbenzene*	<0.050	0.050	12/09/2022	ND	2.06	103	2.00	6.92	
Total Xylenes*	<0.150	0.150	12/09/2022	ND	6.30	105	6.00	5.29	
Total BTEX	<0.300	0.300	12/09/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/09/2022	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/09/2022	ND	181	90.6	200	24.0	
DRO >C10-C28*	<10.0	10.0	12/09/2022	ND	159	79.5	200	26.4	
EXT DRO >C28-C36	<10.0	10.0	12/09/2022	ND					
Surrogate: 1-Chlorooctane	104	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	113 9	46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **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.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

#### **Cardinal Laboratories**

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager

CF-055-03.0-NA-P CI CI   CESSE NOTE: Liabity and Damages. Curcinative liabity and other's exclusive ennergy for any damin anising whether based in contrast or bot all be limited to the amount paid by the client for the anisystem. At damin is client to the contrast or bot, all be limited to the amount paid by the client for the anisystem. The service all be limited to the amount paid by the client for the anisystem and the whether based in contrast or bot, all be limited to the amount paid by the client for the anisystem. Including without limitation, business interruptions, loss of use, or bear of poths incorrect by client, it is substitute manages. Including without limitation, business interruptions, loss of use, or bear of poths incorrect by client, it is abled to the performance of services hearing and reached by: Verbal Result:   Celinquished By: Date: Time; 42 MUU	Image: NoTE: Lubity and Europea. Cardina's inclusive namedy for an Call 1 Image: Call 1 <t< th=""><th>/// CF-055-03.0-N. EASE NOTE: Liabity and Damages. Cardina's laik subject. At claims including those for negligence and rivels. In or sent shad, Cardinal balle for incident filates or succession arising out of or related to the ; lelinquished By:</th><th>EASE NOTE: Liability and Damages. Cardinat's laik lightes. At claims including those for hegigence and rose. In or event what cardinate balls for incident listes or successors analing out of or related to the i elinquished By:</th><th>(b) CF-055-03.0-N EASE NOTE: Liability and Damages. Cardinatis laits ayees. A claims including those for megligenos and noice. In no event shall Cardinal be liable for incident listates or successors autorating out of or related to their listates or successors.</th><th>/// CF-055-03.0-N EASE NOTE: Liability and Damages. Cardinal's liab halves. All claims including those for negligence and</th><th>10 CF-055-03.0-N</th><th></th><th>G CF-054-03.0-NA-P</th><th>8 CF-053-03.0-NA-P</th><th>7 CF-052-02.0-NA-P</th><th>CF-051-02.0-NA-P</th><th></th><th></th><th>3 CF-048-02.0-NA-P</th><th>2 CF-047-02.0-NA-P</th><th>CF-046-03.0-NA-P</th><th><u> </u></th><th></th><th>Sampler Name: XT</th><th><u>n</u></th><th>Project Name: ANTELOPE RIDGE CDP</th><th>Project #:</th><th>Đ#</th><th></th><th>Address: 8426 N Dal Paso</th><th>Project Manager: Dan Dunkelberg</th><th>Company Name: Trinity Oilfield Services</th><th>Laboratories</th></t<>	/// CF-055-03.0-N. EASE NOTE: Liabity and Damages. Cardina's laik subject. At claims including those for negligence and rivels. In or sent shad, Cardinal balle for incident filates or succession arising out of or related to the ; lelinquished By:	EASE NOTE: Liability and Damages. Cardinat's laik lightes. At claims including those for hegigence and rose. In or event what cardinate balls for incident listes or successors analing out of or related to the i elinquished By:	(b) CF-055-03.0-N EASE NOTE: Liability and Damages. Cardinatis laits ayees. A claims including those for megligenos and noice. In no event shall Cardinal be liable for incident listates or successors autorating out of or related to their listates or successors.	/// CF-055-03.0-N EASE NOTE: Liability and Damages. Cardinal's liab halves. All claims including those for negligence and	10 CF-055-03.0-N		G CF-054-03.0-NA-P	8 CF-053-03.0-NA-P	7 CF-052-02.0-NA-P	CF-051-02.0-NA-P			3 CF-048-02.0-NA-P	2 CF-047-02.0-NA-P	CF-046-03.0-NA-P	<u> </u>		Sampler Name: XT	<u>n</u>	Project Name: ANTELOPE RIDGE CDP	Project #:	Đ#		Address: 8426 N Dal Paso	Project Manager: Dan Dunkelberg	Company Name: Trinity Oilfield Services	Laboratories
Date: Time:	Date:		Time; 42	Date: 5-72	verformance of services hereunder by Ca	any other cause whatsoever shall be de to conceasuantal damaces. Including v	A-P	A-P	A-P	A-P	A-P	4-P	P-P	4-P	1-P	1-P	Sample I.D.					Project Owner:	Fax #:	State: NM			Nices	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
		Received By:	(a)110	Date: S. 22 Received By:	irdinal, regardless of whether si	emed waived unless made in v wthout limitation, business inter	C 1 X	C 1 X	1	C 1 X	C 1 X	C 1 X	C 1 X	C 1 X	C 1 X	C 1 X	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL SILUDGE	MATRIX			dan@trinityoilfieldservices.com	(see below)		Zip: 88241				Hobbs, NM 88240 X (575) 393-2476
Sample Condition CHECKED F			APP/ DA	N	uch claim is based upon i	rriting and received by Cr ruptions, loss of use, or k	n contract or fort, shall be						-				OTHER : ACID/BASE: ICE / COOL OTHER :	PRESERV.	Fax #:	Phone #:	State:	City:	Address:	Attn:	Company: N	P.O. #	E	
CHECKED BY:		/	WHO	11	any of the above stated	ardinal within 30 days a loss of profits incurred b	e limited to the amount	720211121	12/1/2022	220211121	12/12/02/2	12/7/2022	12/7/2022	12/7/2022	12/7/2022	12/7/2022	DATE	SAMPLING			Zip:			Connor Walker	Mewbourne Oil Co.		BILL TO	
Turnaround Time:		REMARKS:		All Results are emailed. Please provide Email address:	i reasons or otherwise.	after completion of the ap by client, its subsidiaries,	paid by the client for the					< >	< ×	< ×	< ×	×	Chloride	NG							,			-
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Page 20 of 21

	Sampler - UPS - Bus - Ourer:		Delivered By: (Circle One)		Relinquished By:	fr	Relinquisned by:	affiliates or successors an	service. In no event shall (	PLEASE NOTE: Liability a analyses. All claims include				17	16	5/	14	21	12	11	Lav 1.0.	4225778		Sampler Name:	Project Location: Lea Co., NM	ame:	Project #:	Phone #:		Address:	Project Manager: Dan Dunkelberg	Company Name:	Labo
	sus - Other:		cle One)		'n			ng out of or related to the performa	service. In no event shall Cardinal be liable for incidental or conse	PLEASE NOTE: Labelity and Damages. Cardinal's labelity and client's exclusive remedy for any daim arising whether based in contract, or one were and the set of the applicable analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived whee made in writing and received works and received and the subsidiaries.	1			CW-010-02.0-NA-P	CW-009-02.0-NA-P	CW-008-01.0-NA-P	CF-059-09.0-NA-P	CF-058-08.0-NA-P	CF-057-08.0-NA-P			Sample I.D.		XT	Lea Co., NM	ANTELOPE RIDGE CDP			Hobbs	8426 N Dal Paso	Dan Dunkelberg	Company Name: Trinity Oilfield Services	<b>CARDINAL</b> Laboratories
	121	Connected Temp. °C	Observed Temp. °C	Time:	Date:	Time: 1/42	12-8-22	Date:	nsequental damages, including without limitation, business memuptions, loss or use, or use or provident of the non-of services hemunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise	client's exclusive remedy for an er cause whatsoever shall be de																	Project Owner:	Fax#:	State: NM Z			s	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
+ Cardinal cann	10	I High Cool Intact	Sa		Received By:		1	Received By: /	equental damages, including without limitation, business interruptions, iotes or use, or use or provingent or otherwise.	y daim arising whether based semed waived unless made in				C 1 X	C 1 X	1	C 1 X	C 1 X				(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	MATRIX			dan@trinityoilfieldservices.com	(see below)		Zip: 88241				Hobbs, NM 8824( X (575) 393-2476
ot accept verba	No V	8				The mai			muptions, loss or use, or such claim is based upon	writing and received by C	the stand or fort shall b										_	SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	PRESERV.	Fax #:	Phone #:			Address:		any:			
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ise email change	Correction Factor -0.6 °C	Thermometer ID #113	Turnaround Time:			DEMARKS:	II Results are ema	Verbal Result:	reasons or otherwise.	fter completion of the appl v client, its subsidiaries,	baid by the client for the		-	,	× ::	× >	< >	< >	×	×	×	Chloride	G										-
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December 14, 2022

DAN DUNKELBERG TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS, NM 88241

RE: ANTELOPE RIDGE CDP

Enclosed are the results of analyses for samples received by the laboratory on 12/09/22 16:03.

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 <a href="https://www.tceq.texas.gov/field/qa/lab\_accred\_certif.html">www.tceq.texas.gov/field/qa/lab\_accred\_certif.html</a>.

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



2

Received:	12/09/2022	Sampling Date:	12/09/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

# Sample ID: CF-060-08.0-NA-P (H225825-01)

BTEX 8021B	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS % Reco	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.19	110	2.00	11.2	
Toluene*	<0.050	0.050	12/12/2022	ND	2.23	111	2.00	9.68	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	9.09	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.79	113	6.00	9.24	
Total BTEX	<0.300	0.300	12/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	113	% 69.9-14	0						
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	12/12/2022	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	12/12/2022	ND	207	104	200	2.43	
DRO >C10-C28*	<10.0	10.0	12/12/2022	ND	191	95.6	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/12/2022	ND					
Surrogate: 1-Chlorooctane	115	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	118	% 46.3-17	8						

#### Cardinal Laboratories

#### \*=Accredited Analyte

Celez D. Keine

Celey D. Keene, Lab Director/Quality Manager


TRINITY OII	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	12/09/2022	Sampling Date:	12/09/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-061-08.0-NA-P (H225825-02)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.19	110	2.00	11.2	
Toluene*	<0.050	0.050	12/12/2022	ND	2.23	111	2.00	9.68	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	9.09	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.79	113	6.00	9.24	
Total BTEX	<0.300	0.300	12/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	111 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	12/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2022	ND	207	104	200	2.43	
DRO >C10-C28*	<10.0	10.0	12/12/2022	ND	191	95.6	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/12/2022	ND					
Surrogate: 1-Chlorooctane	108 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	111 9	46.3-17	8						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



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DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	12/09/2022	Sampling Date:	12/09/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-062-04.0-NA-P (H225825-03)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.19	110	2.00	11.2	
Toluene*	<0.050	0.050	12/12/2022	ND	2.23	111	2.00	9.68	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	9.09	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.79	113	6.00	9.24	
Total BTEX	<0.300	0.300	12/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	12/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2022	ND	207	104	200	2.43	
DRO >C10-C28*	<10.0	10.0	12/12/2022	ND	191	95.6	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/12/2022	ND					
Surrogate: 1-Chlorooctane	112 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	118 9	46.3-17	8						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	12/09/2022	Sampling Date:	12/09/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CF-063-04.0-NA-P (H225825-04)

BTEX 8021B	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.19	110	2.00	11.2	
Toluene*	<0.050	0.050	12/12/2022	ND	2.23	111	2.00	9.68	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	9.09	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.79	113	6.00	9.24	
Total BTEX	<0.300	0.300	12/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	'kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	12/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2022	ND	207	104	200	2.43	
DRO >C10-C28*	<10.0	10.0	12/12/2022	ND	191	95.6	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/12/2022	ND					
Surrogate: 1-Chlorooctane	112 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	115 9	46.3-17	8						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TR	INITY OIL	FIELD SERVICES &	RENTALS, LLC
DA	N DUNKEL	LBERG	
Ρ.	O. BOX 25	587	
HC	BBS NM, 8	88241	
Fa	x To:	NONE	

Received:	12/09/2022	Sampling Date:	12/09/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CW-011-02.0-NA-P (H225825-05)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.19	110	2.00	11.2	
Toluene*	<0.050	0.050	12/12/2022	ND	2.23	111	2.00	9.68	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	9.09	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.79	113	6.00	9.24	
Total BTEX	<0.300	0.300	12/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2022	ND	207	104	200	2.43	
DRO >C10-C28*	<10.0	10.0	12/12/2022	ND	191	95.6	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/12/2022	ND					
Surrogate: 1-Chlorooctane	115 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	117 9	46.3-17	8						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	12/09/2022	Sampling Date:	12/09/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CW-012-01.0-NA-P (H225825-06)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.19	110	2.00	11.2	
Toluene*	<0.050	0.050	12/12/2022	ND	2.23	111	2.00	9.68	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	9.09	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.79	113	6.00	9.24	
Total BTEX	<0.300	0.300	12/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	114 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2022	ND	207	104	200	2.43	
DRO >C10-C28*	<10.0	10.0	12/12/2022	ND	191	95.6	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/12/2022	ND					
Surrogate: 1-Chlorooctane	111 9	45.3-16	1						
Surrogate: 1-Chlorooctadecane	113 9	46.3-17	8						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	12/09/2022	Sampling Date:	12/09/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CW-013-04.0-NA-P (H225825-07)

BTEX 8021B	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.19	110	2.00	11.2	
Toluene*	<0.050	0.050	12/12/2022	ND	2.23	111	2.00	9.68	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	9.09	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.79	113	6.00	9.24	
Total BTEX	<0.300	0.300	12/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	110 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	12/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2022	ND	207	104	200	2.43	
DRO >C10-C28*	<10.0	10.0	12/12/2022	ND	191	95.6	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/12/2022	ND					
Surrogate: 1-Chlorooctane	98.9	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	99.3	% 46.3-17	8						

#### Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



TRINITY OI	LFIELD SERVICES & RENTALS, LLC	
DAN DUNKE	ELBERG	
P. O. BOX 2	587	
HOBBS NM,	88241	
Fax To:	NONE	

Received:	12/09/2022	Sampling Date:	12/09/2022
Reported:	12/14/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

## Sample ID: CW-014-05.0-NA-P (H225825-08)

BTEX 8021B	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/12/2022	ND	2.19	110	2.00	11.2	
Toluene*	<0.050	0.050	12/12/2022	ND	2.23	111	2.00	9.68	
Ethylbenzene*	<0.050	0.050	12/12/2022	ND	2.26	113	2.00	9.09	
Total Xylenes*	<0.150	0.150	12/12/2022	ND	6.79	113	6.00	9.24	
Total BTEX	<0.300	0.300	12/12/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109 9	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	′kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	12/12/2022	ND	400	100	400	3.92	
TPH 8015M	mg/	′kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/12/2022	ND	207	104	200	2.43	
DRO >C10-C28*	<10.0	10.0	12/12/2022	ND	191	95.6	200	2.29	
EXT DRO >C28-C36	<10.0	10.0	12/12/2022	ND					
Surrogate: 1-Chlorooctane	99.3	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	98.6	% 46.3-17	8						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

#### Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

Laboratories	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	5		-	CHA	IN-OF-C	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST		
Company Name: Trinity Oilfield Services	Se		BILL TO				ANALYSIS REQUEST	-	
Project Manager: Dan Dunkelberg		P.O. #:							
Audress: 8426 N Dal Paso		Company:	Mewbourne Oil Co.						
	State: NM Zip: 88241	Attn:	Connor Walker			2			
e #:		Address:							
Project #:	Project Owner: (see below)	w) City:							
Project Name: ANTELOPE RIDGE CDP		State:	Zip:			_			
9.						_			
Sampler Name: XT		Fax #:				-			
		MATRIX PRESERV.	SAMPLING						
	S ER								
H222812	AB OR (C)O DNTAINERS DUNDWATER STEWATER			loride		EX			
Lab I.D. Sample I.D.	(G # ( GF		DATE TIME	c c	+	B			
CF-060-08.0-NA-P	C 1	× ×	12/9/2022	× >	× >	××			
CF-062-04.0-NA-P	C 1		12/9/2022	×	× ×	×			
(1 CF-063-04.0-NA-P	C 1	×	12/9/2022	×	×	×			
CW-011-02.0-NA-P	C 1	×	12/9/2022	×	×	×			
CW-012-01.0-NA-P	C 1	×	12/9/2022	×	×	×			
7 CW-013-04.0-NA-P	C 1	×	12/9/2022	×	×	×			T
CW-014-05.0-NA-P	C 1	×	12/9/2022	×	×	×			
-						-			
PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or for that be limited to the amount paid by the client for the applicable analyses. All claims including these for neglecrose and any other cause virables/ver it half be deemed waived unsets made in writing and received by Cardinal within 30 days after completion of the applicable analyses. All claims including these for neglecrose and any other cause virables/ver it half be deemed waived unsets made in writing and received by Cardinal within 30 days after completion of the applicable analyses.	client's exclusive remedy for any claim arising whe r cause whatsoever shall be deemed waived unies	her based in contract or tort, shall be s made in writing and received by Ca	limited to the amount paid by the c dinal within 30 days after completi	lient for the ion of the applicable			1.		
service. In no event shall Cardinal be liable for incidential or consequential damages, including without limitation, business intemptions, bost of use, or loss of portfis incurred by client, its subsidiaries affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	eequental damages, including without limitation, bu ce of services hereunder by Cardinal, regardless o	siness interruptions, loss of use, or lo f whether such claim is based upon a	ss of profits incurred by client, its s ny of the above stated reasons or o	ubsidiaries, otherwise.		-			
Relinquished By:	Date: 9-22 Received By:	Y: N	All Results are	All Results are emailed. Please provide Email address:	Please provid	le Email addre	Add Fliping #.		
Your allaved	Time: S Call	WARA WILLIAM	K						
Relinquished By:	Date: Received By:	y:	REMARKS:	ŝ					
	Time:								
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition CHEC Cool Intact (Ini	(Initials)	nd Time:	St St	Standard Rush	X Bacteria (only) Sample Condition Cool Intact Observ	ple Condition Observed Temp. °C	
Sampler - UPS - Bus - Other:		rest tres		Thermometer ID #113			Yes Yes No No	Corrected Temp. °C	
	+ Couling	2004	De Dio	ail channes to	to celev keene@cardinalla	Cardinalla	bsnm.com		

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December 21, 2022

DAN DUNKELBERG TRINITY OILFIELD SERVICES & RENTALS, LLC P. O. BOX 2587 HOBBS, NM 88241

RE: ANTELOPE RIDGE CDP BOOSTER

Enclosed are the results of analyses for samples received by the laboratory on 12/16/22 16:05.

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

Cardinal Laboratories is accreditated 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,

Celey D. Keine

Celey D. Keene Lab Director/Quality Manager



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

Received:	12/16/2022	Sampling Date:	12/16/2022
Reported:	12/21/2022	Sampling Type:	Soil
Project Name:	ANTELOPE RIDGE CDP BOOSTER	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA, NM		

## Sample ID: CF-057-09.0 (H225981-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifie
Benzene*	<0.050	0.050	12/21/2022	ND	2.05	102	2.00	0.0851	
Toluene*	<0.050	0.050	12/21/2022	ND	2.24	112	2.00	0.0397	
Ethylbenzene*	<0.050	0.050	12/21/2022	ND	2.20	110	2.00	4.07	
Total Xylenes*	<0.150	0.150	12/21/2022	ND	6.75	113	6.00	4.41	
Total BTEX	<0.300	0.300	12/21/2022	ND					
Surrogate: 4-Bromofluorobenzene (PID	109	% 69.9-14	0						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	12/21/2022	ND	384	96.0	400	11.8	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/21/2022	ND	197	98.7	200	5.21	
DRO >C10-C28*	<10.0	10.0	12/21/2022	ND	176	88.1	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	12/21/2022	ND					
Surrogate: 1-Chlorooctane	92.1	% 45.3-16	1						
Surrogate: 1-Chlorooctadecane	102	% 46.3-17	8						

## Cardinal Laboratories

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager



# **Notes and Definitions**

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

## **Cardinal Laboratories**

## \*=Accredited Analyte

Celeg D. Keine

Celey D. Keene, Lab Director/Quality Manager

ished By: Mutter ished By: ad By: (Cir ad By: (Cir	Project Manager: Diff. UMH4Db44 g Address: 6426 N- 041 PAGe State: IVM Zip: 6524 City: HUMX Fax : Fax :: Project Name: AH4G WE HUG BUUHFY Project Location: Leg IVI V Sampler Name: T FOR UB USE ONLY FOR UB U	101 East Marland (575) 393-2326 Company Name: The Mitty ()14
Time; Date: Date: Time: Observed Tem Corrected Tem	ager:       On With Burg and State:       For S	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
ad By:	P.O. Com Attn Attn Attn Attn Attn Attn Attn Att	BiL
All Results are email REMARKS: Turnaround Time: Thermometer ID #113	Police R Churde	BILL TO
A Please provide Em	BTEX	ANALYSIS
eldservices: eldservices (UM) Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Ves Yes No Corrected Temp. °C		REQUEST

Released to Imaging: 2/22/2023 11:33:23 AM

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District I 1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 District II

811 S. First St., Artesia, NM 88210 Phone:(575) 748-1283 Fax:(575) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170 District IV

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone: (505) 476-3470 Fax: (505) 476-3462

**State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division** 1220 S. St Francis Dr. Santa Fe, NM 87505

CONDITIONS

Operator:	OGRID:			
MEWBOURNE OIL CO	14744			
P.O. Box 5270	Action Number:			
Hobbs, NM 88241	183267			
	Action Type:			
	[C-141] Release Corrective Action (C-141)			
CONDITIONS				

#### Created Condition Condition By Date Closure Report Approved. 2/22/2023 jnobui

CONDITIONS

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Action 183267