

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

Location of spill: NM BO ST BATTERY

(32.7616788, -103.5073652)

Date of Spill: 11/30/2016

Site Soil Type: SS —Stegall and Slaughter soils

Estimated Daily Production Loss: 70 BBL Oil 10 BBL Water

Total Area Calculations

Total Surface Area	width		length		wet soil depth	oil (%)
Rectangle Area #1	43.0 ft	X	264.0 ft	X	1.1 in	89%
Rectangle Area #2	ft	X	ft	X	in	0%
Rectangle Area #3	ft	X	ft	X	in	0%
Rectangle Area #4	ft	X	ft	X	in	0%
Rectangle Area #5	ft	X	ft	X	in	0%
Rectangle Area #6	ft	X	ft	X	in	0%
Rectangle Area #7	ft	X	ft	X	in	0%
Rectangle Area #8	ft	X	ft	X	in	0%

Porosity 0.250 gal per gal

Saturated Soil Volume Calculations:

		H2O	OIL
Area #1	11,352 sq. ft.	111 cu. ft.	900 cu. ft.
Area #2	0 sq. ft.	cu. ft.	cu. ft.
Area #3	0 sq. ft.	cu. ft.	cu. ft.
Area #4	0 sq. ft.	cu. ft.	cu. ft.
Area #5	0 sq. ft.	cu. ft.	cu. ft.
Area #6	0 sq. ft.	cu. ft.	cu. ft.
Area #7	0 sq. ft.	cu. ft.	cu. ft.
Area #8	0 sq. ft.	cu. ft.	cu. ft.
Total Solid/Liquid Volume:	11,352 sq. ft.	111 cu. ft.	900 cu. ft.

Estimated Volumes Spilled

	H2O	OIL
Liquid in Soil:	5.0 BBL	40.1 BBL
Liquid Recovered :	5.0 BBL	30.0 BBL
Spill Liquid	10.0 BBL	70.1 BBL
Total Spill Liquid:	80.0	

Recovered Volumes

Estimated oil recovered: 30.0 BBL
 Estimated water recovered: 5.0 BBL

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

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
12 St. Francis Dr., Santa Fe, NM 87505

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

REVISED

2:50 pm, May 09, 2018

Form C-141
Revised October 10, 2003

Submit 2 Copies to appropriate
District Office in accordance
with Rule 116 on back
side of form

Release Notification and Corrective Action

OPERATOR		<input checked="" type="checkbox"/> Initial Report	<input type="checkbox"/> Final Report
Name of Company	Cross Timbers Energy, LLC	Contact	Jerry Parker
Address	972 NM Hwy 238	Telephone No.	575-441-1628
Facility Name	New Mexico BO ST. BATTERY	Facility Type	Production BATTERY
Surface Owner	State	Mineral Owner	State
	LLC	Lease No.	312477

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
H	12	18.5	34E		1930 FNL		660 FEL	LEA

Latitude 32.76275, -103.50755 3.304599 W

NATURE OF RELEASE

Type of Release	Oil	Volume of Release	10 Gals. WTR	Volume Recovered	5 Gals. WTR
Source of Release	Fill line from heater	Date and Hour of Occurrence	11/30/2016	Date and Hour of Discovery	8:00 AM
Was Immediate Notice Given?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom?	11/30/2016		11/30/2016
By Whom?		Date and Hour			
Was a Watercourse Reached?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse.			
If a Watercourse was Impacted, Describe Fully.					

RECEIVED

By Olivia Yu at 1:51 pm, Jan 13, 2017

Describe Cause of Problem and Remedial Action Taken.

3" Steel line - external corrosion

Fill line from heater to oil tank leaked - Replaced line - 25'

Describe Area Affected and Cleanup Action Taken.

Grazing land - vac tank picked up 30 Gals. oil - Backhoe - back drag -

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOC 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 NMOC marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOC acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

SIGNATURE		OIL CONSERVATION DIVISION	
Signature:	Jerry Parker	Approved by District Supervisor:	Joy
Printed Name:	Jerry Parker	Approval Date:	01/13/2017
Title:	Production Foreman	Expiration Date:	
E-mail Address:	jc.parker@ctfieldservices.com	Conditions of Approval:	see attached directive
Date:	12/6/2016	Phone:	575-441-1628
		Attached	<input checked="" type="checkbox"/>

* Attach Additional Sheets If Necessary

RP4560

nOY1701349940

pOY1701350192

API # 30-025-02318

Incident ID	NOY1701349940
District RP	
Facility ID	
Application ID	

Closure

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

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

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

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

Printed Name: SAMANNTHA AVARELLO

Title: ENVIRONMENTAL COORDINATOR

Signature: Samanntha Avarello

Date: 02/27/2024

email: SAVARELLO@TXOPARTNERS.COM

Telephone: 817-334-7747

OCD Only

Received by: _____

Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____

Title: _____

Incident ID	NOY1701349940
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>105'</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

Incident ID	NOY1701349940
District RP	
Facility ID	
Application ID	

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

Printed Name: SAMANTHA AVARELLO Title: ENVIRONMENTAL COORDINATOR
Signature: *Samantha Avarello* Date: 02/27/2024
email: SAVARELLO@TXOPARTNERS.COM Telephone: 817-334-7747

OCD Only

Received by: _____ Date: _____

Incident ID	NOY1701349940
District RP	
Facility ID	
Application ID	

Remediation Plan

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

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

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

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

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Printed Name: SAMANNTHA AVARELLO Title: ENVIRONMENTAL COORDINATOR
Signature: Samanntha Avarello Date: 02/27/2024
email: SAVARELLO@TXOPARTNERS.COM Telephone: 817-334-7747

OCD Only

Received by: _____ Date: _____

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

Signature: _____ Date: _____

Trinity Oilfield Services & Rentals, LLC



February 27th, 2023

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

Re: **Closure Request**
NM BO ST Battery
Tracking #: NOY1701349940

Trinity Oilfield Services (Trinity), on behalf of Cross Timbers Energy, LLC, 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	NOY1701349940
Site Name	NM BO ST Battery
Company	Cross Timbers Energy, LLC
County	Lea
ULSTR	H-12-18S-34E
GPS Coordinates (NAD 83)	32.7616788, -103.5073652
Landowner	State

HISTORICAL RELEASE BACKGROUND

On 11/30/2016, Cross Timbers Energy, LLC reported a release at the NM BO ST Battery. The release was caused when a fill line from heater to oil tank leaked. Approximately 11,326 sqft. of the Pasture was found to be damp upon initial inspection.

Release Information	
Date of Release	11/30/2016
Type of Release	Crude Oil and Produced Water
Source of Release	Corrosion
Volume Released – Produced Water	10 bbls
Volume Recovered – Produced Water	5 bbls
Volume Released – Crude Oil	70 bbls
Volume Recovered – Crude Oil	30 bbls
Affected Area – Damp Soil	Pasture - Approximately 11,326 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	DTW 8	2/8/2023	105'

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

On February 8, 2023, Kane Environmental Engineering along with Scarborough Drilling was onsite to drill a groundwater determination borehole (DTW 8) to 105" below ground surface within a $\frac{1}{2}$ mile radius of the incident location. The borehole was left open for 96 hours and checked for the presence of groundwater. As a result, no water was detected at 105" below surface at the borehole location (32.76300164, -103.50755903). The driller log is attached for reference.

General Site Characterization:

Site Assessment	
Karst Potential	Low
Distance to Watercourse	219 ft. to Stream
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.

Soil Assessment	
Soil Series	Stegall and Slaughter
Fragile Soil Interpretive Class	Fragile
Erodibility Value	0.32
Wind Erodibility Group	6
Badland Soils	No
Gypsum Soils	No
Representative Slope	0.50%
Depth to Restrictive Feature	71 cm
Depth to Bedrock	>200 cm
Severe Wildland Burn	No

A soil assessment/characterization was performed following the New Mexico State Land Office Environmental Compliance Office (ECO) Spill and Release Reporting Guidelines (Part 2 Letter D). To summarize, the affected area is classified as a sensitive soil.

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 entire pasture area impacted by the release.

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

Delineation Summary	
Delineation Dates	02/08/2023 - 10/13/2023
Depths Sampled	0' - 4'
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.

The lateral extent of the release was successfully defined. Additionally, horizontal delineation featured “step-out” samples no more than 1-2 feet from the observed edge of the release. These samples confirm that the release has not left the observed area.

Confirmation Activities:

Remediation Summary	
Remediation Dates	03/21/2023 - 11/01/2023
Workplan Approval	At Risk
Liner Variance Request	None
Deferral Request	None
Depths Excavated	0' - 4.5'
Area Represented by the required 5-point Confirmation Samples – Floors and Walls	200 sqft.
Total Volume of Excavated Soil	680 yards
Remediation Map	Attached
Laboratory Results	Table 2

Impacted soil within the release margins was excavated and temporarily stockpiled on-site on a 6-mil plastic sheeting, pending final disposition. Unless a Variance Request has been approved, all Floor and On-Site Walls of the excavated area were advanced until laboratory analytical results from confirmation soil samples indicate Chloride, Benzene, BTEX, and TPH concentrations are below the RRAL NMOCD Closure Criteria listed in the Table above, and all Off-Site Walls were advanced to meet reclamation standards. Confirmation soil samples (five-point composites representing no more than 200 sqft. of the excavated area) were collected from the floor and sidewalls. Upon receiving laboratory analytical data showing that confirmation soil samples from the excavated areas yield results below the selected NMOCD Table 1 Closure Criteria, the impacted soil was transported under manifest to an NMOCD-approved disposal facility.

REQUEST FOR CONFIRMATION SAMPLE NOTIFICATION VARIANCE

Trinity, on behalf of Cross Timbers Energy, LLC, kindly requests a variance per the requirements of 19.15.29.12 D.(1)(a). A proper two-day notice to the OCD was not dispatched at the designated time. Laboratory data is within the most stringent closure criteria limits and the current condition of the release area does not cause an imminent risk to human health, the environment, or groundwater. Upon closure request approval, the excavation will be backfilled and reclaimed in accordance with 19.15.29.13 NMAC.

SITE RECLAMATION AND RESTORATION

Areas affected by the release and the associated remediation activities will be restored to a condition that existed before the release to the extent practicable. The affected area will be contoured and/or compacted to provide erosion control, stability, and preservation of surface water flow. A 5-point composite sample will be collected from the backfill material to prove it is non-waste containing and meets reclamation standards. Photos of the backfilled areas showing that the area is back, as nearly as practical to the original will be noted.

Affected areas disturbed by remediation on native land, not on production pads and/or lease roads, will be reseeded with a prescribed NMSLO seed mixture, as defined in SLO Seed Mix Version 1-200808 for Loamy (L) Sites, during the first favorable growing season following the closure of the site. The area will be fenced off to mitigate grazing and soil compaction by cattle. Reclamation on State Trust Land will also be documented and monitored for successful vegetation growth and invasive/noxious weed populations.

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
SLO Seed Mix	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 Jordan
Project Scientist

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

CROSS TIMBERS ENERGY, LLC
NM BO ST BTY
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #: NOY1701349940



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	VERTICAL/ HORIZONTAL	OFF-SITE/ ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits On-Site, & Deeper than 4' Pasture							600	100	NE	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4'							600	100	NE	NE	NE	NE	50	10
Vertical Delineation														
Background	-	2/8/2023	Vertical	Off-Site	Grab	In-Situ	96	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO A-1 (0'-1')	1	2/8/2023	Vertical	Off-Site	Grab	In-Situ	32	102.6	59.6	<10.0	59.6	43.0	0.49	<0.050
NMBO A-2 (2'-2')	2	2/9/2023	Vertical	Off-Site	Grab	In-Situ	16	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO A-3 (2'-3')	3	2/9/2023	Vertical	Off-Site	Grab	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO A-4 (3'-4')	4	2/9/2023	Vertical	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO B-1 (0'-1')	1	2/9/2023	Vertical	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO B-2 (2'-2')	2	2/9/2023	Vertical	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO B-3 (2'-3')	3	2/9/2023	Vertical	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO B-4 (3'-4')	4	2/9/2023	Vertical	Off-Site	Grab	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO C-1 (0'-1')	1	2/9/2023	Vertical	Off-Site	Grab	In-Situ	400	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO C-2 (2'-2')	2	2/9/2023	Vertical	Off-Site	Grab	In-Situ	304	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO C-3 (2'-3')	3	2/9/2023	Vertical	Off-Site	Grab	In-Situ	208	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO C-4 (3'-4')	4	2/9/2023	Vertical	Off-Site	Grab	In-Situ	192	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO D-1 (0'-1')	1	2/9/2023	Vertical	Off-Site	Grab	In-Situ	304	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO D-2 (2'-2')	2	2/9/2023	Vertical	Off-Site	Grab	In-Situ	272	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO D-3 (2'-3')	3	2/9/2023	Vertical	Off-Site	Grab	In-Situ	96	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO D-4 (3'-4')	4	2/9/2023	Vertical	Off-Site	Grab	In-Situ	192	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO E-1 (0'-1')	1	2/9/2023	Vertical	Off-Site	Grab	In-Situ	96	303	157	<10.0	157	146	<0.300	<0.050
NMBO E-2 (2'-2')	2	2/9/2023	Vertical	Off-Site	Grab	In-Situ	128	46.1	21.5	<10.0	21.5	24.6	<0.300	<0.050
NMBO E-3 (2'-3')	3	2/9/2023	Vertical	Off-Site	Grab	In-Situ	112	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO E-4 (3'-4')	4	2/9/2023	Vertical	Off-Site	Grab	In-Situ	96	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO F-1 (0'-1')	1	2/9/2023	Vertical	Off-Site	Grab	In-Situ	112	28.2	14.3	<10.0	14.3	13.9	<0.300	<0.050
NMBO F-2 (2'-2')	2	2/9/2023	Vertical	Off-Site	Grab	In-Situ	48	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO F-3 (2'-3')	3	2/9/2023	Vertical	Off-Site	Grab	In-Situ	48	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO F-4 (3'-4')	4	2/9/2023	Vertical	Off-Site	Grab	In-Situ	64	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO G-1 (0'-1')	1	2/9/2023	Vertical	Off-Site	Grab	In-Situ	80	66.7	37.1	<10.0	37.1	29.6	<0.300	<0.050
NMBO G-2 (2'-2')	2	2/9/2023	Vertical	Off-Site	Grab	In-Situ	64	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO G-3 (2'-3')	3	2/9/2023	Vertical	Off-Site	Grab	In-Situ	80	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO G-4 (3'-4')	4	2/9/2023	Vertical	Off-Site	Grab	In-Situ	64	36.4	20.5	<10.0	20.5	15.9	<0.300	<0.050
NMBO H-1 (0'-1')	1	2/9/2023	Vertical	Off-Site	Grab	In-Situ	80	71.4	38.1	<10.0	38.1	33.3	<0.300	<0.050
NMBO H-2 (2'-2')	2	2/9/2023	Vertical	Off-Site	Grab	In-Situ	96	56.3	24.8	<10.0	24.8	31.5	<0.300	<0.050
NMBO H-3 (2'-3')	3	2/9/2023	Vertical	Off-Site	Grab	In-Situ	64	45.3	27.7	<10.0	27.7	17.6	<0.300	<0.050
NMBO H-4 (3'-4')	4	2/9/2023	Vertical	Off-Site	Grab	In-Situ	64	58.5	34.2	<10.0	34.2	24.3	<0.300	<0.050
NMBO I-1 (0'-1')	1	2/8/2023	Vertical	Off-Site	Grab	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO I-2 (2'-2')	2	2/8/2023	Vertical	Off-Site	Grab	In-Situ	32	348	154	<10.0	194	154	<0.300	<0.050
NMBO I-3 (2'-3')	3	2/8/2023	Vertical	Off-Site	Grab	In-Situ	48	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050

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

CROSS TIMBERS ENERGY, LLC
NM BO ST BTY
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #: NOY1701349940



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	VERTICAL/ HORIZONTAL	OFF-SITE/ ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits On-Site, & Deeper than 4' Pasture							600	100	NE	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4'							600	100	NE	NE	NE	NE	50	10
NMBO I-4 (3'-4')	4	2/8/2023	Vertical	Off-Site	Grab	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
NMBO J-1 (0'-1')	1	2/8/2023	Vertical	Off-Site	Grab	In-Situ	<16.0	627	432	<10.0	432	198	<0.300	<0.050
NMBO J-2 (2'-2')	2	2/8/2023	Vertical	Off-Site	Grab	In-Situ	<16.0	458	302	<10.0	302	156	<0.300	<0.050
NMBO J-3 (2'-3')	3	2/8/2023	Vertical	Off-Site	Grab	In-Situ	<16.0	126.6	96	<10.0	96	30.6	<0.300	<0.050
NMBO J-4 (3'-4')	4	2/8/2023	Vertical	Off-Site	Grab	In-Situ	48	22.4	22.4	<10.0	22.4	<10.0	<0.300	<0.050
Horizontal Delineation														
DH-001.0-01.0-P	1	9/8/2023	Horizontal	Off-Site	Grab	In-Situ	<16.0	11.10	11.10	<10.0	11.10	<10.0	<10.0	<10.0
DH-002.0-01.0-P	1	9/8/2023	Horizontal	Off-Site	Grab	In-Situ	80.00	144.20	73.10	<10.0	73.10	71.10	<10.0	<10.0
DH-002.1-01.0-P	1	10/13/2023	Horizontal	Off-Site	Grab	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-
DH-003.0-01.0-P	1	9/8/2023	Horizontal	Off-Site	Grab	In-Situ	80.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0
DH-004.0-01.0-P	1	9/8/2023	Horizontal	Off-Site	Grab	In-Situ	240.00	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0

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

CROSS TIMBERS ENERGY, LLC
NM BO ST BTY
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #: NOY1701349940



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	FLOOR/WALL	OFF-SITE/ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits On-Site, & Deeper than 4' Pasture							600	100	NE	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4'							600	100	NE	NE	NE	NE	50	10
Remediation Floors														
CF-001.0-00.0-P	0	3/21/2023	Floor	Off-Site	Composite	Excavated	80.0	667.0	381.0	<10.0	381.0	286.0	<300	<0.50
CF-001.0-01.0-P	1	6/14/2023	Floor	Off-Site	Composite	Excavated	32.0	720.0	497.0	<10.0	497.0	223.0	<300	<0.50
CF-001.0-00.5-P	1.5	6/30/2023	Floor	Off-Site	Composite	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<300	<0.50
CF-002.0-00.0-P	0	3/21/2023	Floor	Off-Site	Composite	Excavated	48.0	1,275.0	760.0	<10.0	760.0	515.0	<300	<0.50
CF-002.0-01.0-P	1	6/14/2023	Floor	Off-Site	Composite	Excavated	32.0	743.0	475.0	<10.0	475.0	268.0	<300	<0.50
CF-002.0-00.5-P	1.5	6/30/2023	Floor	Off-Site	Composite	In-Situ	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<300	<0.50
CF-003.0-00.0-P	0	3/21/2023	Floor	Off-Site	Composite	Excavated	160.0	173.9	89.5	<10.0	89.5	84.4	<300	<0.50
CF-003.0-01.0-P	1	6/14/2023	Floor	Off-Site	Composite	Excavated	32.0	171.8	78.7	<10.0	78.7	93.1	<300	<0.50
CF-003.0-00.5-P	1.5	6/30/2023	Floor	Off-Site	Composite	In-Situ	48.0	<10.0	<10.0	<10.0	<10.0	<10.0	<300	<0.50
CF-004.0-00.0-P	0	3/21/2023	Floor	Off-Site	Composite	In-Situ	384.0	74.2	40.3	<10.0	40.3	33.9	<300	<0.50
CF-005.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	Excavated	144.0	7,812.0	5,762.0	12.0	5,750.0	2,050.0	<300	<0.50
CF-005.0-03.0-P	3	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-
CF-006.0-02.0-P	2	8/2/2023	Floor	Off-Site	Composite	Excavated	48.0	1,633.0	1,070.0	<10.0	1,070.0	563.0	<300	<0.50
CF-006.0-03.0-P	3	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-
CF-007.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	Excavated	64.0	3,160.0	2,120.0	<10.0	2,120.0	1,040.0	<300	<0.50
CF-007.0-03.0-P	3	9/8/2023	Floor	Off-Site	Composite	Excavated	-	181.0	80.0	<10.0	80.0	101.0	-	-
CF-007.0-04.0-P	4	10/13/2023	Floor	Off-Site	Composite	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-
CF-008.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	Excavated	96.0	3,276.0	2,460.0	<10.0	2,460.0	816.0	<300	<0.50
CF-008.0-03.0-P	3	9/8/2023	Floor	Off-Site	Composite	Excavated	-	189.7	84.7	<10.0	84.7	105.0	-	-
CF-008.0-04.0-P	4	10/13/2023	Floor	Off-Site	Composite	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-
CF-009.0-00.0-P	0	3/21/2023	Floor	Off-Site	Composite	In-Situ	272.0	15.4	15.4	<10.0	15.4	<10.0	<300	<0.50
CF-010.0-01.0-P	1	3/21/2023	Floor	Off-Site	Composite	Excavated	416.0	841.0	584.0	<10.0	584.0	257.0	<300	<0.50
CF-010.0-01.0-P	1	6/14/2023	Floor	Off-Site	Composite	Excavated	96.0	403.0	243.0	<10.0	243.0	160.0	<300	<0.50
CF-010.0-01.0-P	2	6/30/2023	Floor	Off-Site	Composite	In-Situ	64.0	24.4	24.4	<10.0	24.4	<10.0	<300	<0.50
CF-011.0-00.0-P	0	3/21/2023	Floor	Off-Site	Composite	In-Situ	48.0	<10.0	<10.0	<10.0	<10.0	<10.0	<300	<0.50
CF-012.0-02.0-P	2	8/2/2023	Floor	Off-Site	Composite	Excavated	176.0	2,360.0	1,650.0	<10.0	1,650.0	710.0	<300	<0.50
CF-012.0-04.0-P	4	9/8/2023	Floor	Off-Site	Composite	Excavated	-	122.7	36.8	<10.0	36.8	85.9	-	-
CF-012.0-04.5-P	4.5	11/1/2023	Floor	Off-Site	Composite	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-
CF-013.0-01.0-P	1	3/21/2023	Floor	Off-Site	Composite	Excavated	48.0	1,672.0	1,080.0	<50.0	1,080.0	592.0	<300	<0.50
CF-013.0-01.0-P	1	6/14/2023	Floor	Off-Site	Composite	Excavated	128.0	2,122.0	1,400.0	<10.0	1,400.0	722.0	<300	<0.50
CF-013.0-01.5-P	1.5	6/30/2023	Floor	Off-Site	Composite	Excavated	176.0	248.0	126.0	<10.0	126.0	122.0	<300	<0.50
CF-013.0-02.0-P	2	8/2/2023	Floor	Off-Site	Composite	In-Situ	<16.0	79.8	31.6	<10.0	31.6	48.2	<300	<0.50
CF-014.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	Excavated	160.0	838.0	443.0	<10.0	443.0	395.0	<300	<0.50
CF-014.0-04.0-P	4	9/8/2023	Floor	Off-Site	Composite	Excavated	-	185.0	81.0	<10.0	81.0	104.0	-	-
CF-014.0-04.5-P	4.5	11/1/2023	Floor	Off-Site	Composite	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-

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

CROSS TIMBERS ENERGY, LLC
NM BO ST BTY
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #: NOY1701349940



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	FLOOR/WALL	OFF-SITE/ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits On-Site, & Deeper than 4' Pasture							600	100	NE	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4'							600	100	NE	NE	NE	NE	50	10
CF-015.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	Excavated	384.0	1,287.0	861.0	<10.0	861.0	426.0	<.300	<0.50
CF-015.0-04.0-P	4	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-
CF-016.0-02.0-P	2	8/2/2023	Floor	Off-Site	Composite	Excavated	432.0	585.0	309.0	<10.0	309.0	276.0	<.300	<0.50
CF-016.0-04.0-P	4	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-
CF-017.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	Excavated	256.0	766.0	485.0	<10.0	485.0	281.0	<.300	<0.50
CF-017.0-04.0-P	4	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-
CF-018.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	Excavated	368.0	834.0	479.0	<10.0	479.0	355.0	<.300	<0.50
CF-018.0-04.0-P	4	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-
CF-019.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	Excavated	192.0	563.0	285.0	<10.0	285.0	278.0	<.300	<0.50
CF-019.0-04.0-P	4	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-
CF-020.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	Excavated	176.0	431.0	194.0	<10.0	194.0	237.0	<.300	<0.50
CF-020.0-04.0-P	4	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	39.9	19.5	<10.0	19.5	20.4	-	-
CF-021.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	Excavated	288.0	633.0	323.0	<10.0	323.0	310.0	<.300	<0.50
CF-021.0-02.5-P	2.5	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	25.3	13.8	<10.0	13.8	11.5	-	-
CF-022.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	Excavated	288.0	1,433.0	1,060.0	<10.0	1,060.0	373.0	<.300	<0.50
CF-022.0-02.5-P	2.5	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-
CF-023.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	Excavated	416.0	696.0	470.0	<10.0	470.0	226.0	<.300	<0.50
CF-023.0-02.5-P	2.5	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	21.8	11.5	<10.0	11.5	10.3	-	-
CF-024.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	Excavated	320.0	1,313.0	856.0	<10.0	856.0	457.0	<.300	<0.50
CF-024.0-02.5-P	2.5	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	42.0	21.3	<10.0	21.3	20.7	-	-
CF-025.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	Excavated	160.0	1,469.0	920.0	<10.0	920.0	549.0	<.300	<0.50
CF-025.0-02.5-P	2.5	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-
CF-026.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	Excavated	16.0	735.0	350.0	<10.0	350.0	385.0	<.300	<0.50
CF-026.0-02.5-P	2.5	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-
CF-027.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	Excavated	208.0	560.0	298.0	<10.0	298.0	262.0	<.300	<0.50
CF-027.0-02.5-P	2.5	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-
CF-028.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	Excavated	32.0	539.0	247.0	<10.0	247.0	292.0	<.300	<0.50
CF-028.0-02.5-P	2.5	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	10.5	10.5	<10.0	10.5	<10.0	-	-
CF-029.0-00.0-P	0	3/21/2023	Floor	Off-Site	Composite	In-Situ	96.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-030.0-00.0-P	0	3/21/2023	Floor	Off-Site	Composite	In-Situ	176.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-031.0-00.0-P	0	3/21/2023	Floor	Off-Site	Composite	In-Situ	112.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-032.0-00.0-P	0	3/21/2023	Floor	Off-Site	Composite	Excavated	32.0	308.0	175.0	<10.0	175.0	133.0	<.300	<0.50
CF-032.0-01.0-P	1	6/14/2023	Floor	Off-Site	Composite	Excavated	224.0	791.0	422.0	<10.0	422.0	369.0	<.300	<0.50
CF-032.0-01.0-P	1	6/30/2023	Floor	Off-Site	Composite	In-Situ	32.0	22.1	22.1	<10.0	22.1	<10.0	<.300	<0.50
CF-033.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	In-Situ	96.0	13.7	<10.0	<10.0	<10.0	13.7	<.300	<0.50
CF-034.0-00.0-P	0	3/21/2023	Floor	Off-Site	Composite	In-Situ	160.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50

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

CROSS TIMBERS ENERGY, LLC
NM BO ST BTY
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #: NOY1701349940




SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	FLOOR/WALL	OFF-SITE/ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits On-Site, & Deeper than 4' Pasture							600	100	NE	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4'							600	100	NE	NE	NE	NE	50	10
CF-035.0-00.0-P	0	3/21/2023	Floor	Off-Site	Composite	In-Situ	304.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-036.0-00.0-P	0	3/21/2023	Floor	Off-Site	Composite	In-Situ	240.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-037.0-01.5-P	1.5	8/2/2023	Floor	Off-Site	Composite	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-038.0-00.0-P	0	3/21/2023	Floor	Off-Site	Composite	In-Situ	144.0	30.5	16.0	<10.0	16.0	14.5	<.300	<0.50
CF-039.0-00.0-P	0	3/21/2023	Floor	Off-Site	Composite	In-Situ	64.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-040.0-00.0-P	0	3/21/2023	Floor	Off-Site	Composite	In-Situ	96.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-041.0-00.0-P	0	3/21/2023	Floor	Off-Site	Composite	In-Situ	80.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-042.0-00.0-P	0	3/21/2023	Floor	Off-Site	Composite	Excavated	48.0	123.8	65.0	<10.0	65.0	58.8	<.300	<0.50
CF-042.0-00.0-P	0	6/14/2023	Floor	Off-Site	Composite	Excavated	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-042.0-00.5-P	0.5	6/30/2023	Floor	Off-Site	Composite	Excavated	96.0	344.0	184.0	<10.0	184.0	160.0	<.300	<0.50
CF-042.0-01.0-P	1	8/2/2023	Floor	Off-Site	Composite	In-Situ	<16.0	54.4	21.6	<10.0	21.6	32.8	<.300	<0.50
CF-043.0-00.0-P	0	3/23/2023	Floor	Off-Site	Composite	In-Situ	80.0	33.4	12.2	<10.0	12.2	21.2	<.300	<0.50
CF-044.0-00.0-P	0	3/23/2023	Floor	Off-Site	Composite	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-045.0-00.0-P	0	3/23/2023	Floor	Off-Site	Composite	In-Situ	32.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-046.0-00.0-P	0	3/23/2023	Floor	Off-Site	Composite	In-Situ	32.0	24.4	14.4	<10.0	14.4	10.0	<.300	<0.50
CF-047.0-00.0-P	0	3/23/2023	Floor	Off-Site	Composite	Excavated	32.0	109.1	53.7	<10.0	53.7	55.4	<.300	<0.50
CF-047.0-01.0-P	1	3/23/2023	Floor	Off-Site	Composite	Excavated	32.0	340.0	156.0	<10.0	156.0	184.0	<.300	<0.50
CF-047.0-01.0-P	1	6/14/2023	Floor	Off-Site	Composite	Excavated	32.0	219.0	111.0	<10.0	111.0	108.0	<.300	<0.50
CF-047.0-01.5-P	1.5	6/30/2023	Floor	Off-Site	Composite	Excavated	128.0	231.0	120.0	<10.0	120.0	111.0	<.300	<0.50
CF-047.0-02.0-P	2	8/2/2023	Floor	Off-Site	Composite	In-Situ	<16.0	41.3	17.4	<10.0	17.4	23.9	<.300	<0.50
CF-048.0-00.0-P	0	3/23/2023	Floor	Off-Site	Composite	Excavated	<16.0	26.0	10.7	<10.0	10.7	15.3	<.300	<0.50
CF-048.0-01.0-P	1	3/23/2023	Floor	Off-Site	Composite	Excavated	32.0	496.0	194.0	<10.0	194.0	212.0	<.300	<0.50
CF-048.0-01.0-P	1	6/14/2023	Floor	Off-Site	Composite	Excavated	32.0	66.3	43.9	<10.0	43.9	22.4	<.300	<0.50
CF-048.0-01.5-P	1.5	6/30/2023	Floor	Off-Site	Composite	Excavated	96.0	908.0	439.0	<10.0	439.0	469.0	<.300	<0.50
CF-048.0-02.0-P	2	8/2/2023	Floor	Off-Site	Composite	In-Situ	<16.0	58.3	21.6	<10.0	21.6	36.7	<.300	<0.50
CF-049.0-00.0-P	0	3/23/2023	Floor	Off-Site	Composite	Excavated	32.0	268.0	128.0	<10.0	128.0	140.0	<.300	<0.50
CF-049.0-01.0-P	1	3/23/2023	Floor	Off-Site	Composite	Excavated	16.0	124.5	56.4	<10.0	56.4	68.1	<.300	<0.50
CF-049.0-01.0-P	1	6/14/2023	Floor	Off-Site	Composite	Excavated	32.0	292.0	144.0	<10.0	144.0	148.0	<.300	<0.50
CF-049.0-01.5-P	1.5	6/30/2023	Floor	Off-Site	Composite	Excavated	48.0	575.0	252.0	<10.0	252.0	323.0	<.300	<0.50
CF-049.0-02.0-P	2	8/2/2023	Floor	Off-Site	Composite	In-Situ	<16.0	45.9	18.9	<10.0	18.9	27.0	<.300	<0.50
CF-050.0-00.0-P	0	3/23/2023	Floor	Off-Site	Composite	Excavated	<16.0	310.0	141.0	<10.0	141.0	169.0	<.300	<0.50
CF-050.0-01.0-P	1	3/23/2023	Floor	Off-Site	Composite	Excavated	<16.0	241.0	109.0	<10.0	109.0	132.0	<.300	<0.50
CF-050.0-01.0-P	1	6/14/2023	Floor	Off-Site	Composite	Excavated	48.0	20.5	20.5	<10.0	20.5	<10.0	<.300	<0.50
CF-050.0-01.5-P	1.5	6/30/2023	Floor	Off-Site	Composite	Excavated	<16.0	406.0	186.0	<10.0	186.0	220.0	<.300	<0.50
CF-050.0-02.0-P	2	8/2/2023	Floor	Off-Site	Composite	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-051.0-00.0-P	0	3/23/2023	Floor	Off-Site	Composite	Excavated	<16.0	73.1	33.2	<10.0	33.2	39.9	<.300	<0.50

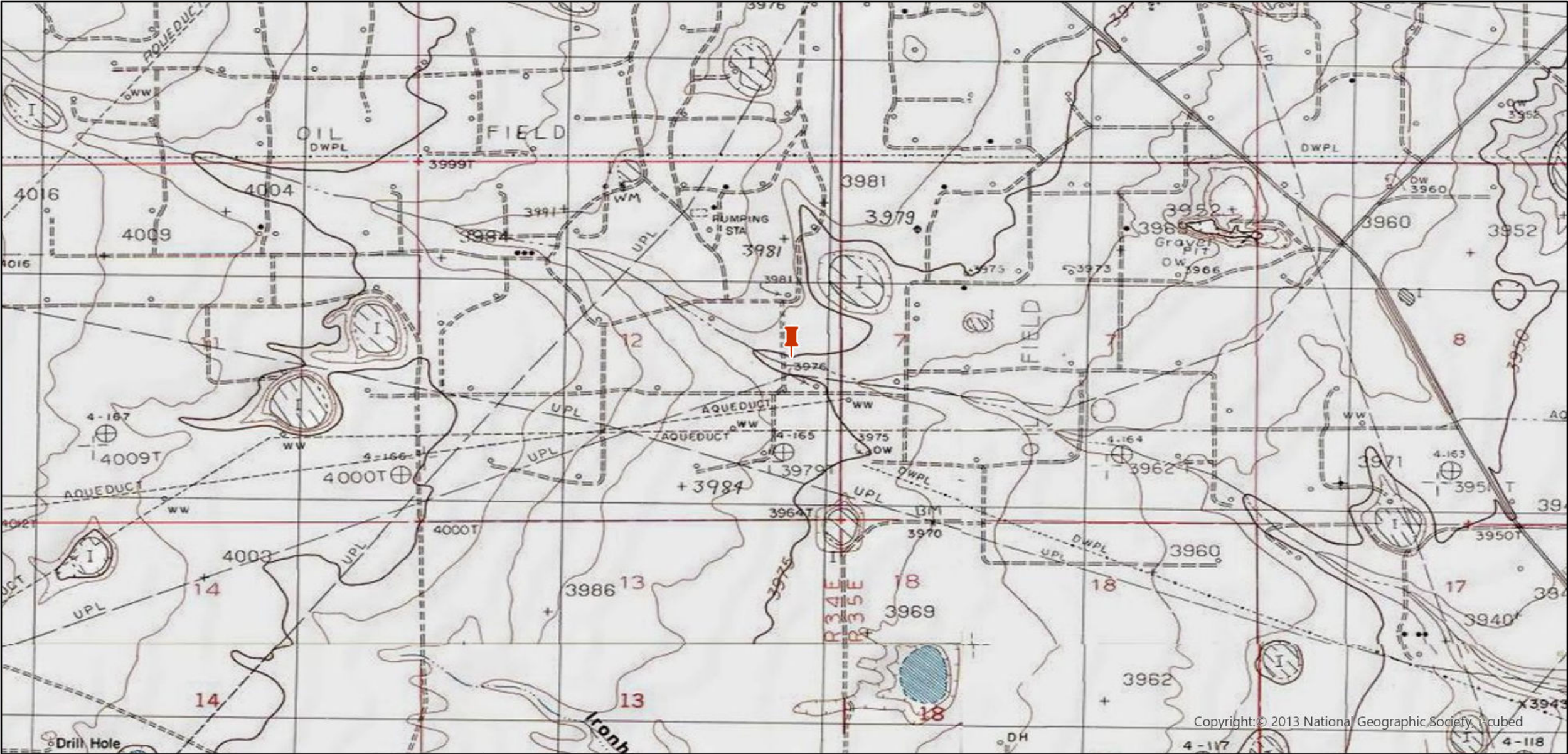
TABLE 2
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL

CROSS TIMBERS ENERGY, LLC
NM BO ST BTY
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #: NOY1701349940



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	FLOOR/WALL	OFF-SITE/ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits On-Site, & Deeper than 4' Pasture							600	100	NE	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4'							600	100	NE	NE	NE	NE	50	10
CF-051.0-01.0-P	1	3/23/2023	Floor	Off-Site	Composite	Excavated	<16.0	117.6	62.7	<10.0	62.7	54.9	<.300	<0.50
CF-051.0-01.0-P	1	6/14/2023	Floor	Off-Site	Composite	Excavated	32.0	57.9	40.8	<10.0	40.8	17.1	<.300	<0.50
CF-051.0-01.5-P	1.5	6/30/2023	Floor	Off-Site	Composite	Excavated	48.0	468.0	251.0	<10.0	251.0	217.0	<.300	<0.50
CF-051.0-02.0-P	2	8/2/2023	Floor	Off-Site	Composite	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-052.0-00.0-P	0	3/23/2023	Floor	Off-Site	Composite	Excavated	<16.0	181.6	95.0	<10.0	95.0	86.6	<.300	<0.50
CF-052.0-01.0-P	1	3/23/2023	Floor	Off-Site	Composite	Excavated	<16.0	153.9	78.1	<10.0	78.1	75.8	<.300	<0.50
CF-052.0-01.0-P	1	6/14/2023	Floor	Off-Site	Composite	Excavated	16.0	79.7	51.9	<10.0	51.9	27.8	<.300	<0.50
CF-052.0-01.5-P	1.5	6/30/2023	Floor	Off-Site	Composite	Excavated	<16.0	173.9	78.7	<10.0	78.7	95.2	<.300	<0.50
CF-052.0-02.0-P	2	8/2/2023	Floor	Off-Site	Composite	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-053.0-00.0-P	0	3/23/2023	Floor	Off-Site	Composite	Excavated	32.0	49.3	26.0	<10.0	26.0	23.3	<.300	<0.50
CF-053.0-01.0-P	1	3/23/2023	Floor	Off-Site	Composite	Excavated	<16.0	106.9	55.5	<10.0	55.5	51.4	<.300	<0.50
CF-053.0-01.0-P	1	6/14/2023	Floor	Off-Site	Composite	Excavated	32.0	46.6	33.8	<10.0	33.8	12.8	<.300	<0.50
CF-053.0-01.5-P	1.5	6/30/2023	Floor	Off-Site	Composite	Excavated	<16.0	155.8	70.7	<10.0	70.7	85.1	<.300	<0.50
CF-053.0-02.0-P	2	8/2/2023	Floor	Off-Site	Composite	In-Situ	<16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-054.0-00.0-P	0	3/23/2023	Floor	Off-Site	Composite	Excavated	16.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-054.0-01.0-P	1	3/23/2023	Floor	Off-Site	Composite	Excavated	<16.0	185.4	93.8	<10.0	93.8	91.6	<.300	<0.50
CF-054.0-01.0-P	1	6/14/2023	Floor	Off-Site	Composite	Excavated	48.0	133.1	87.6	<10.0	87.6	45.5	<.300	<0.50
CF-054.0-01.5-P	1.5	6/30/2023	Floor	Off-Site	Composite	Excavated	<16.0	197.5	88.5	<10.0	88.5	109.0	<.300	<0.50
CF-054.0-02.0-P	2	8/2/2023	Floor	Off-Site	Composite	Excavated	288.0	1,251.0	932.0	<10.0	932.0	319.0	<.300	<0.50
CF-054.0-02.5-P	2.5	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-
CF-055.0-00.0-P	0	3/23/2023	Floor	Off-Site	Composite	Excavated	<16.0	82.3	42.0	<10.0	42.0	40.3	<.300	<0.50
CF-055.0-01.0-P	1	3/23/2023	Floor	Off-Site	Composite	Excavated	<16.0	174.2	79.0	<10.0	79.0	95.2	<.300	<0.50
CF-055.0-01.0-P	1	6/14/2023	Floor	Off-Site	Composite	Excavated	16.0	64.4	41.1	<10.0	41.1	23.3	<.300	<0.50
CF-055.0-01.5-P	1.5	6/30/2023	Floor	Off-Site	Composite	Excavated	<16.0	199.9	86.9	<10.0	86.9	113.0	<.300	<0.50
CF-055.0-02.0-P	2	8/2/2023	Floor	Off-Site	Composite	Excavated	352.0	613.0	421.0	<10.0	421.0	192.0	<.300	<0.50
CF-055.0-02.5-P	2.5	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	15.2	15.2	<10.0	15.2	<10.0	-	-
CF-056.0-00.0-P	0	3/23/2023	Floor	Off-Site	Composite	Excavated	<16.0	263.0	129.0	<10.0	129.0	134.0	<.300	<0.50
CF-056.0-01.0-P	1	3/23/2023	Floor	Off-Site	Composite	Excavated	<16.0	213.8	99.8	<10.0	99.8	114.0	<.300	<0.50
CF-056.0-01.0-P	1	6/14/2023	Floor	Off-Site	Composite	Excavated	32.0	35.4	23.7	<10.0	23.7	11.7	<.300	<0.50
CF-056.0-02.0-P	2	6/30/2023	Floor	Off-Site	Composite	Excavated	64.0	165.1	67.1	<10.0	67.1	98.0	<.300	<0.50
CF-056.0-03.0-P	3	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-
CF-057.0-00.0-P	0	3/23/2023	Floor	Off-Site	Composite	Excavated	<16.0	177.9	83.4	<10.0	83.4	94.5	<.300	<0.50
CF-057.0-01.0-P	1	3/23/2023	Floor	Off-Site	Composite	Excavated	<16.0	116.1	57.4	<10.0	57.4	58.7	<.300	<0.50
CF-057.0-01.0-P	1	6/14/2023	Floor	Off-Site	Composite	Excavated	32.0	46.0	32.8	<10.0	32.8	13.2	<.300	<0.50
CF-057.0-01.5-P	1.5	6/30/2023	Floor	Off-Site	Composite	Excavated	16.0	336.0	154.0	<10.0	154.0	182.0	<.300	<0.50
CF-057.0-03.0-P	3	9/8/2023	Floor	Off-Site	Composite	In-Situ	-	<10.0	<10.0	<10.0	<10.0	<10.0	-	-

TABLE 2 CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL														
CROSS TIMBERS ENERGY, LLC NM BO ST BTY LEA COUNTY, NEW MEXICO NMOCD REFERENCE #: NOY1701349940														
														
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	FLOOR/ WALL	OFF-SITE/ ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits On-Site, & Deeper than 4' Pasture							600	100	NE	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4'							600	100	NE	NE	NE	NE	50	10
Remediation Walls														
CW-001.0-00.5-P	0.5	8/2/2023	Wall	Off-Site	Composite	In-Situ	<16.0	32.1	15.5	<10.0	15.5	16.6	<.300	<0.50
CW-002.0-00.5-P	0.5	8/2/2023	Wall	Off-Site	Composite	In-Situ	32.0	30.5	14.2	<10.0	14.2	16.3	<.300	<0.50
CW-003.0-00.5-P	0.5	8/2/2023	Wall	Off-Site	Composite	In-Situ	32.0	11.0	<10.0	<10.0	<10.0	11.0	<.300	<0.50
CW-004.0-01.0-P	1	8/2/2023	Wall	Off-Site	Composite	In-Situ	48.0	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CW-005.0-01.0-P	1	8/2/2023	Wall	Off-Site	Composite	In-Situ	16.0	30.8	13.6	<10.0	13.6	17.2	<.300	<0.50

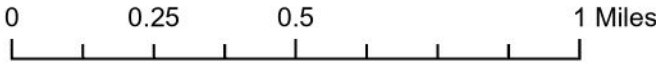


Legend:



Site Location

Site Location Map
Cross Timbers Energy, LLC
NM BO ST Battery
32.7642593, -103.5075989
Lea County, New Mexico
NMOCD Reference # NOY1701349940

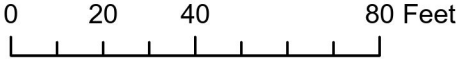




Legend:

- Sample Point
- Release Area

**Delineation Map
Cross Timbers Energy, LLC
NM BO ST Battery
Lea County, New Mexico
32.7642593, -103.5075989
NMOCD Reference #
NOY1701349940**





Legend:

- Remediation Walls
- Remediation Floors
- Excavation Area

Remediation Map
Cross Timbers Energy, LLC
NM BO ST Battery
Lea County, New Mexico
32.7642593, -103.5075989
NMOCD Reference #
NOY1701349940

0 20 40 80 Feet



Sampling Event Photographs



Sampling Event Photographs



Sampling Event Photographs





Excavation

Pasture:



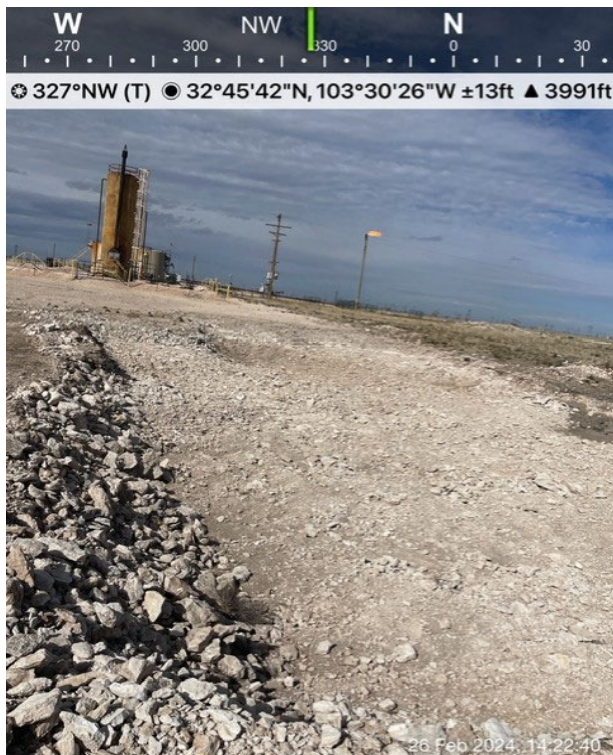
Pasture:





Excavation

Pasture:



Pasture:





Excavation

Pasture:



Pasture:





Excavation

Pasture:



Pasture:





Excavation

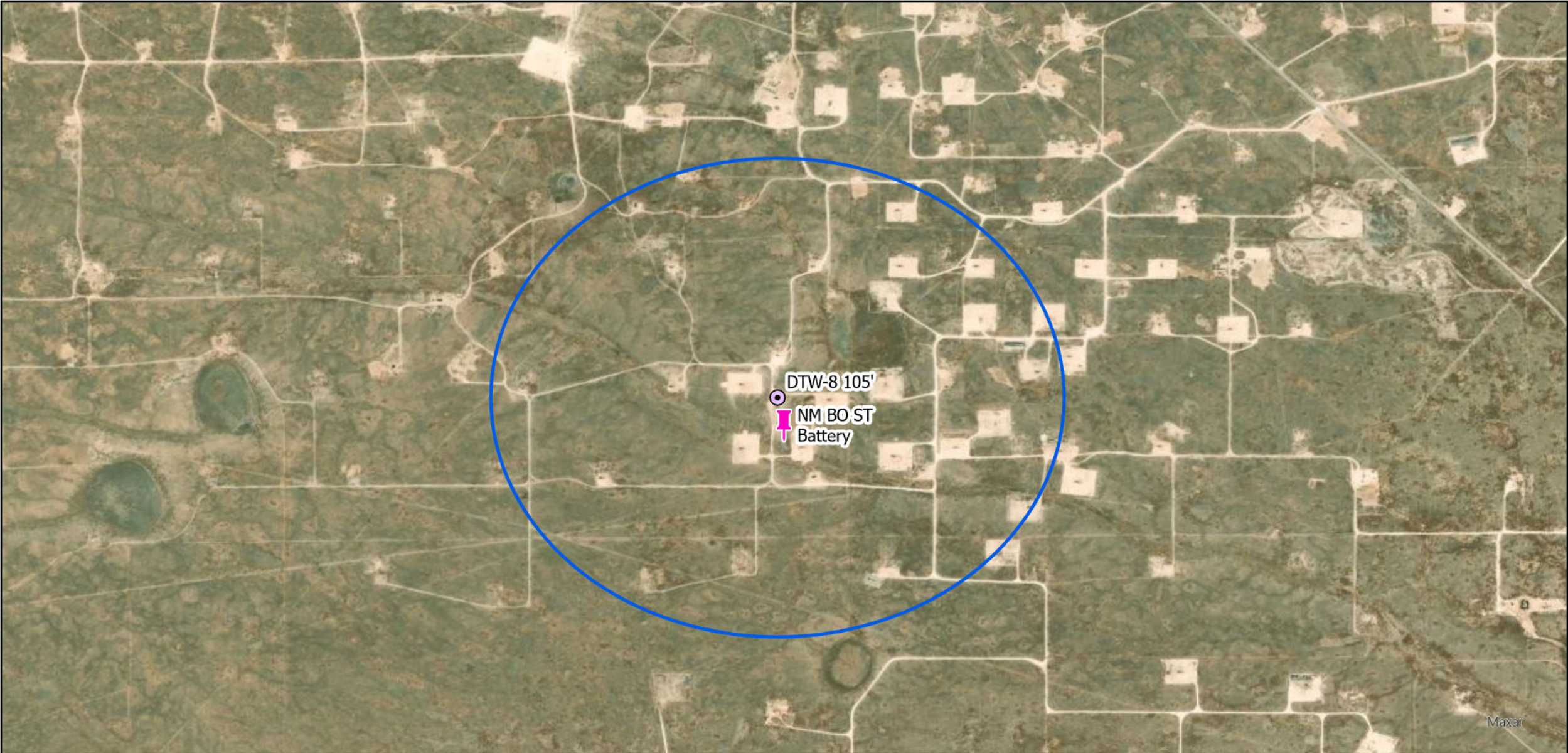
Pasture:






Pasture:



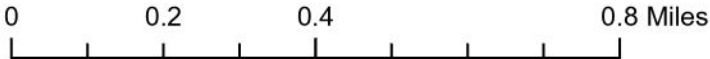
Kane Environmental Engineering Boring/Completion Log		Kane Environmental Engineering 2351 E. State Highway 21 Lincoln, TX 78948 Phone: 281-379-6580		1 OF 1
CLIENT: Morning Star Partners PROJECT: Depth to Water Program PROJECT NUMBER: LOCATION: Buckeye, N.M. BORING/WELL NAME: DTW 8 KANE REP: J. Rosen DRILLING METHOD: Coventional Rotary SAMPLING METHODS: Air Rotary Cuttings TOP CSG ELEV: GRND. ELEV:		Piezometer DTW 8		
START/END: February 8/9, 2023		DRILLER: Scarborough Drilling: License 2969AKP 3068AKP NM License: WD-1188		
5" borehole with tricone bit		LATITUDE: 33.76300164 LONGITUDE: -103.50755903		
	CASING	DEPTH IN FEET	SOIL AND DRILLING DESCRIPTION	
			0 - 1.5' Topsoil, silty fine sand (SM-SP), w/angular pieces of caliche, brown, dry 1.5 - 23' Caliche, white to buff, lithified, hard	
		20	23 - 105' Sand (SP), creme to tan, very fine grained, soft, moisture content increases with depth	
		40	Sand contains random thin interbeds of hard caliche	
		60	Switch to drag bit at 60', and add minimal water/foam to enhance cuttings removal	
		80	Drill to 60' 2/8/23, complete borehole 2/9/23	
		100	Total depth (from ground surface) 105 feet No groundwater encountered upon completion of drilling	
		120	Machine slotted, threaded, Schedule 40 PVC screen from 85 - 105 feet bgs, blank casing surface to 85 ft	



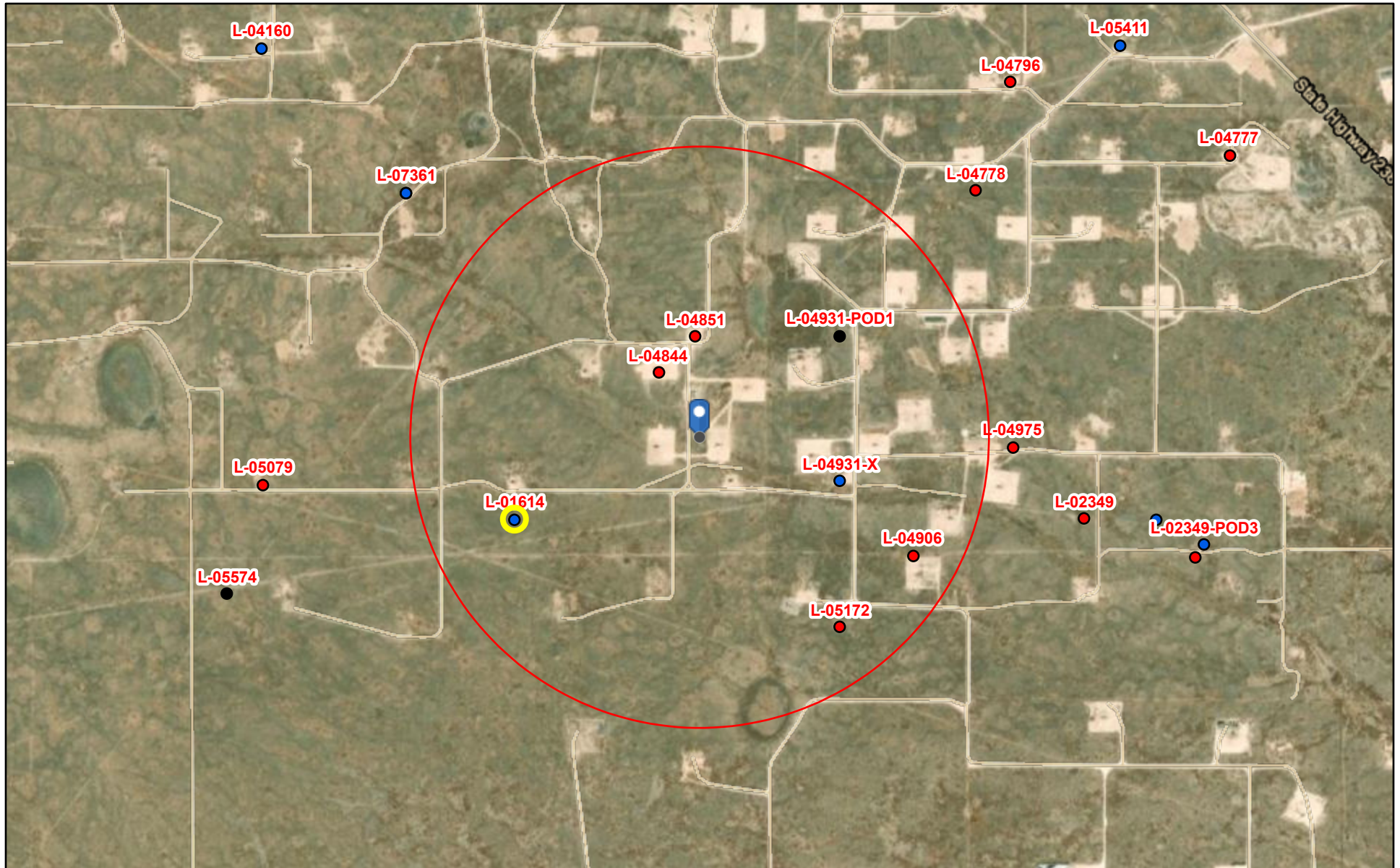
Legend:

-  Site Location
-  DTW Well
-  1/2 Mile Buffer

Depth to Water Borehole Map
Cross Timbers Energy, LLC
NM BO ST Battery
32.7642593, -103.5075989
Lea County, New Mexico
NMOCD Reference # NOY1701349940



NOY1701349940 | NM BO ST BATTERY



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GIS WATERS PODs



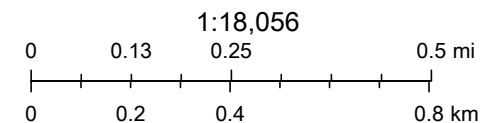
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Plugged



Active



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

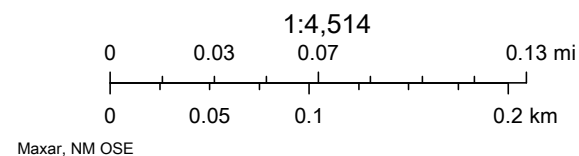
Web Generated Map
Map is generated by web users.

NOY1701349940 | NM BO ST BATTERY



4/26/2023, 1:57:07 PM

OSW Water Bodys OSE Streams
OSE Probable Playas



National Flood Hazard Layer FIRMMette



103°30'45"W 32°45'57"N



Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/26/2023 at 3:52 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

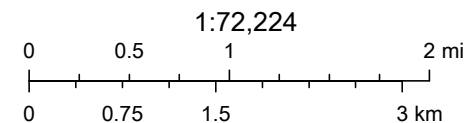
NOY1701349940 | NM BO ST BATTERY



4/26/2023, 1:50:14 PM

Karst Occurrence Potential

 Low



BLM, OCD, New Mexico Tech, Earthstar Geographics



United States
Department of
Agriculture

NRCS

Natural
Resources
Conservation
Service

A product of the National
Cooperative Soil Survey,
a joint effort of the United
States Department of
Agriculture and other
Federal agencies, State
agencies including the
Agricultural Experiment
Stations, and local
participants

Custom Soil Resource Report for **Lea County, New Mexico**

**NOY1701349940 | NM BO ST
BATTERY**



February 26, 2024

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (<http://www.nrcs.usda.gov/wps/portal/nrcs/main/soils/health/>) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (<https://offices.sc.egov.usda.gov/locator/app?agency=nrcs>) or your NRCS State Soil Scientist (http://www.nrcs.usda.gov/wps/portal/nrcs/detail/soils/contactus/?cid=nrcs142p2_053951).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Web Soil Survey, the site for official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil

Custom Soil Resource Report

scientists classified and named the soils in the survey area, they compared the individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and

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identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

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Soil Map



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MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features

 Blowout

 Borrow Pit


 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water


 Perennial Water

 Rock Outcrop


 Saline Spot

 Sandy Spot

 Severely Eroded Spot


 Sinkhole

 Slide or Slip


 Sodic Spot

 Spoil Area

 Stony Spot


 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

Water Features

 Streams and Canals


Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

Background

 Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 20, Sep 6, 2023

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

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

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

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Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
KO	Kimbrough gravelly loam, dry, 0 to 3 percent slopes	18.7	76.3%
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	1.1	4.7%
SS	Stegall and Slaughter soils	4.6	19.0%
Totals for Area of Interest		24.5	100.0%

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The

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delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

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Lea County, New Mexico

KO—Kimbrough gravelly loam, dry, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 2tw43*Elevation:* 2,500 to 4,800 feet*Mean annual precipitation:* 14 to 16 inches*Mean annual air temperature:* 57 to 63 degrees F*Frost-free period:* 180 to 220 days*Farmland classification:* Not prime farmland

Map Unit Composition

Kimbrough, dry, and similar soils: 80 percent*Minor components:* 20 percent*Estimates are based on observations, descriptions, and transects of the mapunit.*

Description of Kimbrough, Dry

Setting

Landform: Playa rims, plains*Down-slope shape:* Convex, linear*Across-slope shape:* Concave, linear*Parent material:* Loamy eolian deposits derived from sedimentary rock

Typical profile

A - 0 to 3 inches: gravelly loam*Bw - 3 to 10 inches:* loam*Bkkm1 - 10 to 16 inches:* cemented material*Bkkm2 - 16 to 80 inches:* cemented material

Properties and qualities

Slope: 0 to 3 percent*Depth to restrictive feature:* 4 to 18 inches to petrocalcic*Drainage class:* Well drained*Runoff class:* Very high*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.01 in/hr)*Depth to water table:* More than 80 inches*Frequency of flooding:* None*Frequency of ponding:* None*Calcium carbonate, maximum content:* 95 percent*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)*Sodium adsorption ratio, maximum:* 1.0*Available water supply, 0 to 60 inches:* Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified*Land capability classification (nonirrigated):* 7s*Hydrologic Soil Group:* D*Ecological site:* R077DY049TX - Very Shallow 12-17" PZ*Hydric soil rating:* No

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Minor Components**Eunice**

Percent of map unit: 10 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Convex
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Spraberry

Percent of map unit: 6 percent
Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Linear
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Kenhill

Percent of map unit: 4 percent
Landform: Plains
Down-slope shape: Linear
Across-slope shape: Linear
Ecological site: R077DY038TX - Clay Loam 12-17" PZ
Hydric soil rating: No

KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes**Map Unit Setting**

National map unit symbol: 2tw46
Elevation: 2,500 to 4,800 feet
Mean annual precipitation: 14 to 16 inches
Mean annual air temperature: 57 to 63 degrees F
Frost-free period: 180 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Kimbrough and similar soils: 45 percent
Lea and similar soils: 25 percent
Minor components: 30 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Kimbrough**Setting**

Landform: Playa rims, plains
Down-slope shape: Convex, linear
Across-slope shape: Concave, linear
Parent material: Loamy eolian deposits derived from sedimentary rock

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Typical profile

A - 0 to 3 inches: gravelly loam
Bw - 3 to 10 inches: loam
Bkkm1 - 10 to 16 inches: cemented material
Bkkm2 - 16 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 4 to 18 inches to petrocalcic
Drainage class: Well drained
Runoff class: Very high
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.01 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 95 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Interpretive groups

Land capability classification (irrigated): None specified
Land capability classification (nonirrigated): 7s
Hydrologic Soil Group: D
Ecological site: R077DY049TX - Very Shallow 12-17" PZ
Hydric soil rating: No

Description of Lea**Setting**

Landform: Plains
Down-slope shape: Convex
Across-slope shape: Linear
Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age

Typical profile

A - 0 to 10 inches: loam
Bk - 10 to 18 inches: loam
Bkk - 18 to 26 inches: gravelly fine sandy loam
Bkkm - 26 to 80 inches: cemented material

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 22 to 30 inches to petrocalcic
Drainage class: Well drained
Runoff class: High
Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 90 percent
Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)
Sodium adsorption ratio, maximum: 3.0

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Available water supply, 0 to 60 inches: Very low (about 2.9 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: D

Ecological site: R077DY047TX - Sandy Loam 12-17" PZ

Hydric soil rating: No

Minor Components**Kenhill**

Percent of map unit: 12 percent

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: R077DY038TX - Clay Loam 12-17" PZ

Hydric soil rating: No

Douro

Percent of map unit: 12 percent

Landform: Plains

Down-slope shape: Linear

Across-slope shape: Linear

Ecological site: R077DY047TX - Sandy Loam 12-17" PZ

Other vegetative classification: Unnamed (G077DH000TX)

Hydric soil rating: No

Spraberry

Percent of map unit: 6 percent

Landform: Playa rims, plains

Down-slope shape: Convex, linear

Across-slope shape: Linear

Ecological site: R077DY049TX - Very Shallow 12-17" PZ

Other vegetative classification: Unnamed (G077DH000TX)

Hydric soil rating: No

SS—Stegall and Slaughter soils**Map Unit Setting**

National map unit symbol: dmr4

Elevation: 3,600 to 4,400 feet

Mean annual precipitation: 12 to 16 inches

Mean annual air temperature: 58 to 60 degrees F

Frost-free period: 190 to 205 days

Farmland classification: Farmland of statewide importance

Map Unit Composition

Stegall and similar soils: 40 percent

Slaughter and similar soils: 35 percent

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Minor components: 25 percent

Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Stegall**Setting**

Landform: Plains

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

Parent material: Alluvium derived from sedimentary rock

Typical profile

A - 0 to 9 inches: loam

Bt - 9 to 28 inches: clay loam

Bkm - 28 to 38 inches: cemented material

BCK - 38 to 60 inches: variable

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: 20 to 40 inches to petrocalcic

Drainage class: Well drained

Runoff class: Low

*Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high
(0.01 to 0.60 in/hr)*

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 90 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Low (about 4.8 inches)

Interpretive groups

Land capability classification (irrigated): 4e

Land capability classification (nonirrigated): 4e

Hydrologic Soil Group: C

Ecological site: R077CY028TX - Limy Upland 16-21" PZ

Hydric soil rating: No

Description of Slaughter**Setting**

Landform: Plains

Landform position (three-dimensional): Talf

Down-slope shape: Linear

Across-slope shape: Linear

*Parent material: Calcareous alluvium and/or calcareous eolian deposits derived
from sedimentary rock*

Typical profile

A - 0 to 2 inches: loam

Bt - 2 to 15 inches: clay

Bkm - 15 to 25 inches: cemented material

BCK - 25 to 60 inches: variable

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Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches; More than 80 inches

Drainage class: Well drained

Runoff class: Low

Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high
(0.01 to 0.60 in/hr)

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 90 percent

Gypsum, maximum content: 1 percent

Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

Sodium adsorption ratio, maximum: 2.0

Available water supply, 0 to 60 inches: Very low (about 2.4 inches)

Interpretive groups

Land capability classification (irrigated): 6s

Land capability classification (nonirrigated): 6s

Hydrologic Soil Group: D

Ecological site: R077CY028TX - Limy Upland 16-21" PZ

Hydric soil rating: No

Minor Components**Arvana**

Percent of map unit: 10 percent

Ecological site: R077CY035TX - Sandy 16-21" PZ

Hydric soil rating: No

Kimbrough

Percent of map unit: 9 percent

Ecological site: R077CY037TX - Very Shallow 16-21" PZ

Hydric soil rating: No

Portales

Percent of map unit: 6 percent

Ecological site: R077CY028TX - Limy Upland 16-21" PZ

Hydric soil rating: No

Soil Information for All Uses

Suitabilities and Limitations for Use

The Suitabilities and Limitations for Use section includes various soil interpretations displayed as thematic maps with a summary table for the soil map units in the selected area of interest. A single value or rating for each map unit is generated by aggregating the interpretive ratings of individual map unit components. This aggregation process is defined for each interpretation.

Soil Health

Soil health interpretations are designed to be used as tools for evaluating and managing a soil's capacity to function as a vital living ecosystem that sustains plants, animals, and humans. Example interpretations include compaction, surface sealing, carbon sequestration, resistance and resilience, management systems and practices, and cover crops.

Fragile Soil Index

SOH - Soil Health

Soils can be rated based on their susceptibility to degradation in the "Fragile Soil Index" interpretation. Fragile soils are those that are most vulnerable to degradation. In other words, they can be easily degraded they have a low resistance to degradation processes. They tend to be highly susceptible to erosion and can have a low capacity to recover after degradation has occurred (low resilience). Fragile soils are generally characterized by a low content of organic matter, low aggregate stability, and weak soil structure. They are generally located on sloping ground, have sparse plant cover, and tend to be in arid or semiarid regions. The index can be used for conservation and watershed planning to assist in identifying soils and areas highly vulnerable to degradation.

Depending on inherent soil characteristics and the climate, soils can vary from highly resistant, or stable, to vulnerable and extremely sensitive to degradation. Under stress, fragile soils can degrade to a new altered state, which may be less favorable or unfavorable for plant growth and less capable of performing soil functions. To assess the fragility of the soil, indicators of vulnerability to degradation

Custom Soil Resource Report

processes are used. They include organic matter, soil structure, rooting depth, vegetative cover, slope, and aridity.

The organic matter content indicates the capacity of the soil to resist and/or recover from degradation processes. Organic matter improves the soil pore structure, increases water infiltration, and reduces soil compaction and soil erosion. Soil structure indicates the capacity of the soil to resist degradation from accelerated water erosion (by increasing the amount of infiltration). Pore structure is the most important aspect of soil structure as pores provide habitat for organism. Shallow soils are more vulnerable to degradation processes because they have limited rooting depth and have a reduced amount of material from which to form new soil. As erosion removes the upper soil profile, productivity will decline if the subsoil is limiting for crop growth. Vegetative cover is very important as uncovered soil is most vulnerable to the processes of soil erosion, both by wind and water. Slope (a measure of the steepness or the degree of inclination) indicates the degree of vulnerability to erosion and mass movement. Aridity is defined by the shortage of moisture. Lack of water is a main factor limiting biological processes and the ability of the soil to resist and/or recover from degradation.

Soils are placed into interpretive classes based on their index rating, which ranges from 0 to 1. An index rating of 1 is the most fragile, while a rating of zero is the least fragile. Interpretative classes are as follows:

Not Fragile (index rating less than or equal to 0.009) These soils have a very high potential to resist degradation and be highly resilient. They are highly structured with an organic matter content greater than 5.7%, are nearly level, are deep or very deep, have greater than 85% vegetative cover, and are in a climate that is wet or very wet.

Slightly Fragile (index rating less than 0.009 and less than or equal to 0.209) These soils have a high potential to resist degradation and be resilient. They are:

- Poorly structured to weakly structured soils that have an extremely low to moderate content of organic matter, are very deep, have high vegetative cover, occur on nearly level ground, and are in wet or very wet climates;
- Highly structured soils that have a very high content of organic matter, are very shallow to moderately deep, have high vegetative cover, occur on nearly level ground, and are in wet or very wet climates;
- Highly structured soils that have a very high content of organic matter, are very deep, have low to moderately high vegetative cover, occur on nearly level ground, and are in wet or very wet climates;
- Highly structured soils that have a very high content of organic matter, are very deep, have high vegetative cover; are on slopes greater than 3%, and are in wet or very wet climates; or
- Highly structured soils that have a very high content of organic matter, are very deep, have high vegetative cover; occur on nearly level ground, and in semi-dry to mildly wet climates;

Custom Soil Resource Report

Moderately Fragile (index rating greater than 0.209 and less than or equal to 0.409) These soils have a moderate potential to resist degradation and be moderately resilient. They are:

— Highly structured soils that have a very high content of organic matter, are very shallow, have high vegetative cover, occur in nearly level to moderately sloping areas, and are in semi-dry climates;

— Poorly structured soils that have an extremely low content of organic matter, are deep, have low vegetative cover, occur in nearly level areas, and are in wet or very wet climates;

— Poorly structured soils that have an extremely low content of organic matter, occur on gentle to very steep slopes, have high vegetative cover, and are in wet or very wet climates;

— Weakly structured soils that have a very low content of organic matter, are deep, occur in nearly level to gently sloping areas, have high vegetative cover, and are in semi-dry climates; or

— Weakly structured soils that have a very low content of organic matter, are very shallow to very deep, occur in nearly level to strongly sloping areas, have high vegetative cover, and are in mildly wet climates.

Fragile (index rating greater than 0.409 and less than or equal to 0.609) These soils have a low potential to resist degradation and low resilience. They are:

— Well structured soils that have a low content of organic matter, are shallow to very deep, have moderate to moderately high vegetative cover, occur on steep slopes, and are in dry climates;

— Well structured soils that have a low content of organic matter, are shallow to very deep, have a low vegetative cover, occur in nearly level to gently sloping areas, and are in dry climates;

— Well structured soils that have a low content of organic matter, are deep, have low vegetative cover, occur on nearly level to very steep slopes, and are in a semi-dry climate;

— Moderately structured soils that have a very low content of organic matter, are deep, have moderately high vegetative cover, occur on moderately steep to very steep slopes, and are in semi-dry climates; or

— Weakly structured soils that have a low content of organic matter, occur on moderately steep to very steep slopes, have low vegetative cover, and are in wet or very wet climates.

Very Fragile (index rating greater than 0.609 and less than or equal to 0.809) These soils have a very low potential to resist degradation and very low resilience. They are:

Custom Soil Resource Report

— Weakly structured soils that have an extremely low content of organic matter, are deep, have low vegetative cover, occur on nearly level to very steep slopes, and are in dry climates;

— Weakly structured soils that have an extremely low content of organic matter, are shallow to very deep, have low vegetative cover, occur on nearly level to very steep slopes, and are in very dry climates; or

— Poorly structured soils that have an extremely low content of organic matter, are very shallow, have no vegetative cover, occur on steep slopes, and are in mildly wet to wet climates.

Extremely Fragile (index rating greater than 0.809 and less than or equal to 1.0)
These soils can have no potential to resist degradation and no resilience. They are:

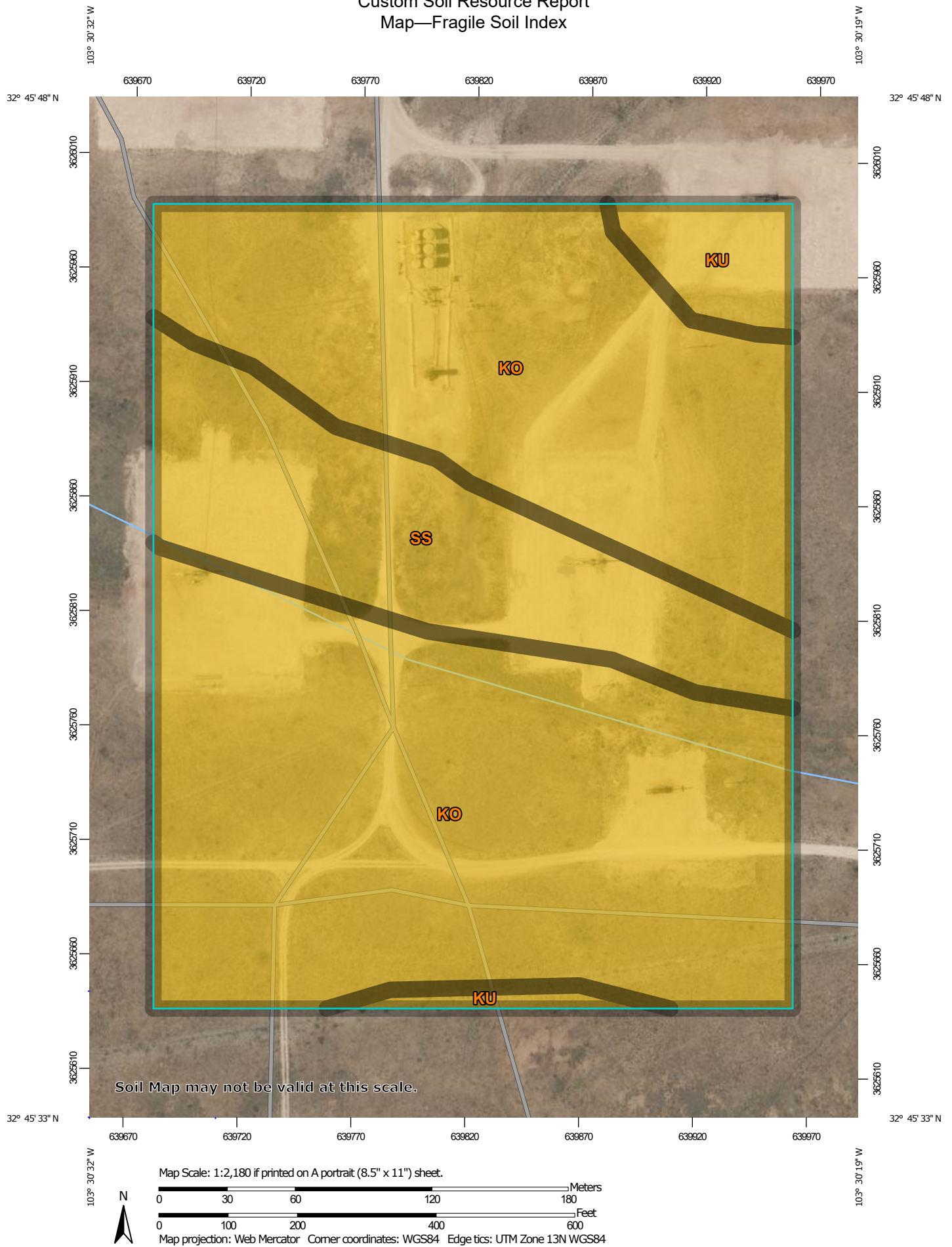
— Poorly structured soils that have an extremely low content of organic matter, are very shallow, have low vegetative cover, occur on very steep slopes, and are in dry or very dry climates;

— Weakly structured soils that have a very low content of organic matter, are nearly level to very deep, have low vegetative cover, occur on very steep slopes, and are in dry climates; or

— Very shallow soils on steep slopes.

The interpretive rating is based on soils that occur in the dominant land use for the map unit component and may not represent soils that occur in site-specific land uses.


Custom Soil Resource Report
Map—Fragile Soil Index



Custom Soil Resource Report








MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils







Soil Rating Polygons


-  Extremely fragile
-  Highly fragile
-  Fragile
-  Moderately fragile
-  Slightly fragile
-  Not fragile
-  Not rated or not available

Soil Rating Lines


-  Extremely fragile
-  Highly fragile
-  Fragile
-  Moderately fragile
-  Slightly fragile
-  Not fragile
-  Not rated or not available

Soil Rating Points




-  Extremely fragile
-  Highly fragile
-  Fragile
-  Moderately fragile
-  Slightly fragile
-  Not fragile

 Not rated or not available


Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

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

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

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

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 20, Sep 6, 2023

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

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

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Custom Soil Resource Report

Tables—Fragile Soil Index

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
KO	Kimbrough gravelly loam, dry, 0 to 3 percent slopes	Fragile	Kimbrough, dry (80%)	Poor structure (1.00)	18.7	76.3%
				Dry (0.70)		
				Low organic matter (0.69)		
				Shallow (0.65)		
				High vegetative cover (0.07)		
			Eunice (10%)	Extremely low organic matter (0.96)		
				Weakly structured (0.75)		
				Dry (0.70)		
				Shallow (0.60)		
				High vegetative cover (0.07)		
			Spraberry (6%)	Extremely low organic matter (0.97)		
				Weakly structured (0.75)		
				Dry (0.70)		
				Moderately deep (0.45)		
				High vegetative cover (0.07)		
			Kenhill (4%)	Poor structure (1.00)		
				Very low organic matter (0.91)		
				Dry (0.70)		
				Moderately deep (0.27)		
				Moderately-high vegetative cover (0.14)		
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	Fragile	Kimbrough (45%)	Poor structure (1.00)	1.1	4.7%
				Dry (0.70)		
				Low organic matter (0.69)		

Custom Soil Resource Report

Map unit symbol	Map unit name	Rating	Component name (percent)	Rating reasons (numeric values)	Acres in AOI	Percent of AOI
				Shallow (0.65)		
				High vegetative cover (0.07)		
			Kenhill (12%)	Poor structure (1.00)		
				Very low organic matter (0.91)		
				Dry (0.70)		
				Moderately deep (0.27)		
				Moderately-high vegetative cover (0.14)		
				Douro (12%)		
			Weakly structured (0.75)			
			Dry (0.70)			
			Moderately deep (0.25)			
			Nearly level (0.02)			
			Spraberry (6%)	Extremely low organic matter (0.97)		
				Weakly structured (0.75)		
				Dry (0.70)		
				Moderately deep (0.45)		
				High vegetative cover (0.07)		
SS	Stegall and Slaughter soils	Fragile	Stegall (40%)	Poor structure (1.00)	4.6	19.0%
				Very low organic matter (0.84)		
				Dry (0.73)		
				Moderately deep (0.28)		
				High vegetative cover (0.08)		
Totals for Area of Interest					24.5	100.0%

Custom Soil Resource Report

Rating	Acres in AOI	Percent of AOI
Fragile	24.5	100.0%
Totals for Area of Interest	24.5	100.0%

Rating Options—Fragile Soil Index

Aggregation Method: Dominant Condition

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The aggregation method "Dominant Condition" first groups like attribute values for the components in a map unit. For each group, percent composition is set to the sum of the percent composition of all components participating in that group. These groups now represent "conditions" rather than components. The attribute value associated with the group with the highest cumulative percent composition is returned. If more than one group shares the highest cumulative percent composition, the corresponding "tie-break" rule determines which value should be returned. The "tie-break" rule indicates whether the lower or higher group value should be returned in the case of a percent composition tie. The result returned by this aggregation method represents the dominant condition throughout the map unit only when no tie has occurred.

Component Percent Cutoff: None Specified

Components whose percent composition is below the cutoff value will not be considered. If no cutoff value is specified, all components in the database will be considered. The data for some contrasting soils of minor extent may not be in the database, and therefore are not considered.

Tie-break Rule: Higher

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.

Custom Soil Resource Report

Soil Properties and Qualities

The Soil Properties and Qualities section includes various soil properties and qualities displayed as thematic maps with a summary table for the soil map units in the selected area of interest. A single value or rating for each map unit is generated by aggregating the interpretive ratings of individual map unit components. This aggregation process is defined for each property or quality.

Soil Chemical Properties

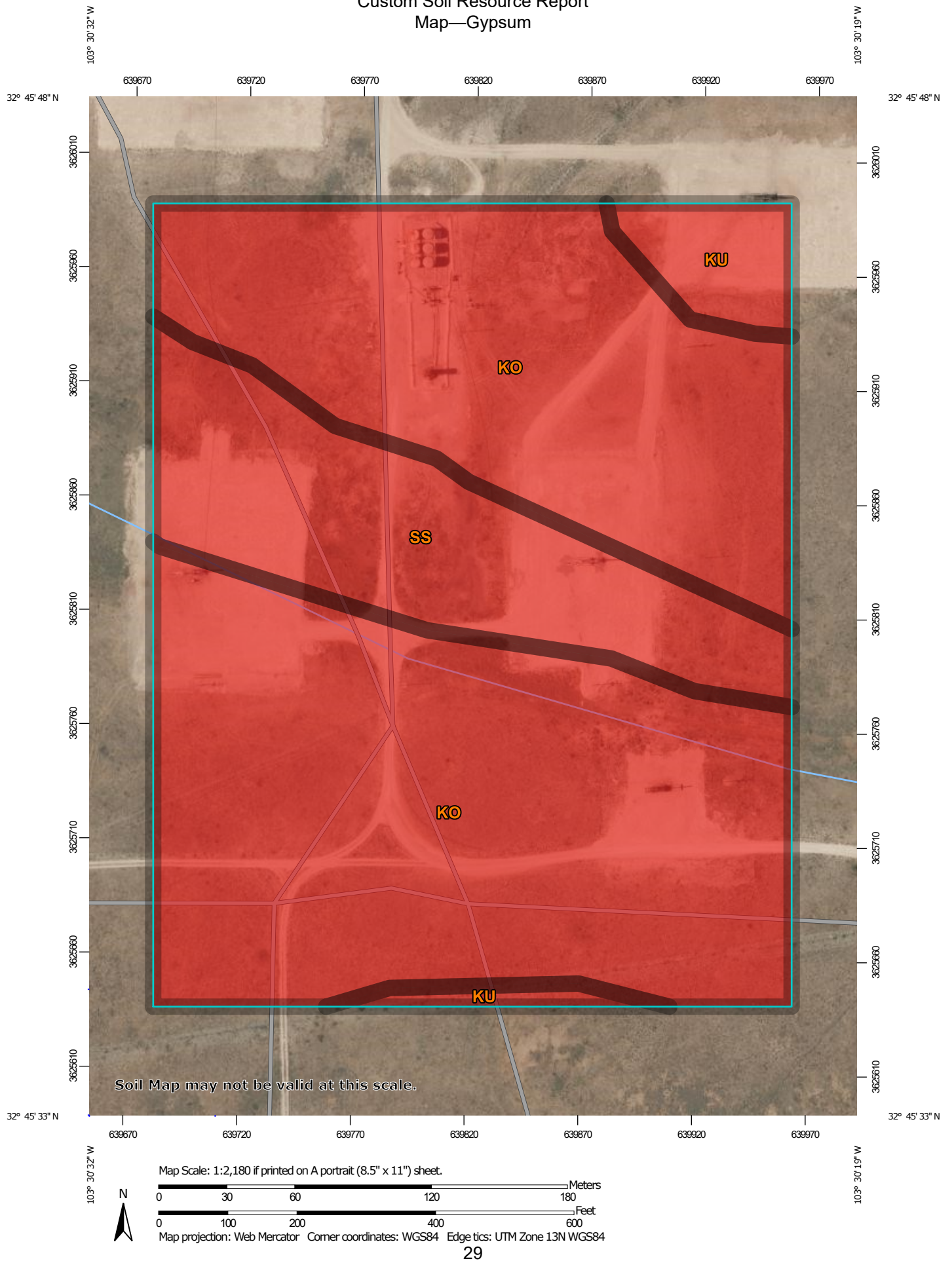
Soil Chemical Properties are measured or inferred from direct observations in the field or laboratory. Examples of soil chemical properties include pH, cation exchange capacity, calcium carbonate, gypsum, and electrical conductivity.

Gypsum


The content of gypsum is the percent, by weight, of hydrated calcium sulfates in the fraction of the soil less than 20 millimeters in size. Gypsum is partially soluble in water. Soils high in content of gypsum, such as those with more than 10 percent gypsum, may collapse if the gypsum is removed by percolating water. Gypsum is corrosive to concrete.

For each soil layer, this attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

Custom Soil Resource Report
Map—Gypsum




Custom Soil Resource Report

MAP LEGEND**Area of Interest (AOI)**
 Area of Interest (AOI)
Soils**Soil Rating Polygons**
 = 0

 Not rated or not available
Soil Rating Lines
 = 0



 Not rated or not available
Soil Rating Points
 = 0

 Not rated or not available
Water Features
 Streams and Canals
Transportation
 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads
Background
 Aerial Photography
MAP INFORMATION

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

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

Source of Map: Natural Resources Conservation Service
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Coordinate System: Web Mercator (EPSG:3857)

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

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Custom Soil Resource Report

Table—Gypsum

Map unit symbol	Map unit name	Rating (percent)	Acres in AOI	Percent of AOI
KO	Kimbrough gravelly loam, dry, 0 to 3 percent slopes	0	18.7	76.3%
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	0	1.1	4.7%
SS	Stegall and Slaughter soils	0	4.6	19.0%
Totals for Area of Interest			24.5	100.0%

Rating Options—Gypsum

Units of Measure: percent

Aggregation Method: Dominant Component

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The aggregation method "Dominant Component" returns the attribute value associated with the component with the highest percent composition in the map unit. If more than one component shares the highest percent composition, the corresponding "tie-break" rule determines which value should be returned. The "tie-break" rule indicates whether the lower or higher attribute value should be returned in the case of a percent composition tie. The result returned by this aggregation method may or may not represent the dominant condition throughout the map unit.

Component Percent Cutoff: None Specified

Components whose percent composition is below the cutoff value will not be considered. If no cutoff value is specified, all components in the database will be considered. The data for some contrasting soils of minor extent may not be in the database, and therefore are not considered.

Tie-break Rule: Higher

Custom Soil Resource Report

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.

Interpret Nulls as Zero: Yes

This option indicates if a null value for a component should be converted to zero before aggregation occurs. This will be done only if a map unit has at least one component where this value is not null.

Layer Options (Horizon Aggregation Method): Surface Layer (Not applicable)

For an attribute of a soil horizon, a depth qualification must be specified. In most cases it is probably most appropriate to specify a fixed depth range, either in centimeters or inches. The Bottom Depth must be greater than the Top Depth, and the Top Depth can be greater than zero. The choice of "inches" or "centimeters" only applies to the depth of soil to be evaluated. It has no influence on the units of measure the data are presented in.

When "Surface Layer" is specified as the depth qualifier, only the surface layer or horizon is considered when deriving a value for a component, but keep in mind that the thickness of the surface layer varies from component to component.

When "All Layers" is specified as the depth qualifier, all layers recorded for a component are considered when deriving the value for that component.

Whenever more than one layer or horizon is considered when deriving a value for a component, and the attribute being aggregated is a numeric attribute, a weighted average value is returned, where the weighting factor is the layer or horizon thickness.

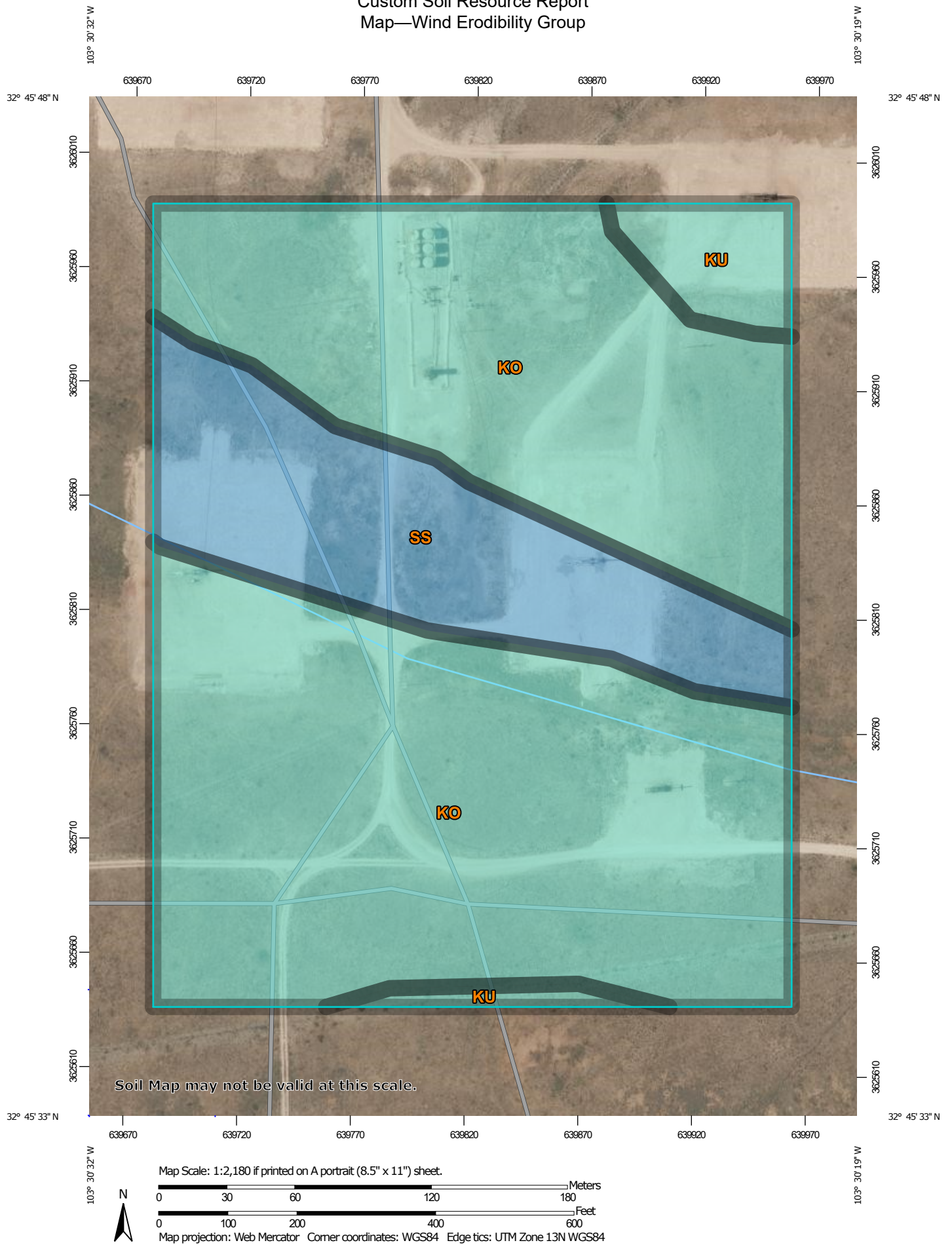
Soil Erosion Factors

Soil Erosion Factors are soil properties and interpretations used in evaluating the soil for potential erosion. Example soil erosion factors can include K factor for the whole soil or on a rock free basis, T factor, wind erodibility group and wind erodibility index.

Wind Erodibility Group

A wind erodibility group (WEG) consists of soils that have similar properties affecting their susceptibility to wind erosion in cultivated areas. The soils assigned to group 1 are the most susceptible to wind erosion, and those assigned to group 8 are the least susceptible.


Custom Soil Resource Report
Map—Wind Erodibility Group



Custom Soil Resource Report


MAP LEGEND

Area of Interest (AOI)











 Area of Interest (AOI)

Soils

Soil Rating Polygons

- | | |
|---|----------------------------|
|  | 1 |
|  | 2 |
|  | 3 |
|  | 4 |
|  | 4L |
|  | 5 |
|  | 6 |
|  | 7 |
|  | 8 |
|  | Not rated or not available |


Soil Rating Lines

- | | |
|---|----------------------------|
|  | 1 |
|  | 2 |
|  | 3 |
|  | 4 |
|  | 4L |
|  | 5 |
|  | 6 |
|  | 7 |
|  | 8 |
|  | Not rated or not available |






Soil Rating Points

- | | |
|---|----------------------------|
|  | 1 |
|  | 2 |
|  | 3 |
|  | 4 |
|  | 4L |
|  | 5 |
|  | 6 |
|  | 7 |
|  | 8 |
|  | Not rated or not available |


Water Features

 Streams and Canals

Transportation

- | | |
|--|---------------------|
|  | Rails |
|  | Interstate Highways |
|  | US Routes |
|  | Major Roads |
|  | Local Roads |

Background

 Aerial Photography

MAP INFORMATION

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Custom Soil Resource Report

Table—Wind Erodibility Group

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
KO	Kimbrough gravelly loam, dry, 0 to 3 percent slopes	5	18.7	76.3%
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	5	1.1	4.7%
SS	Stegall and Slaughter soils	6	4.6	19.0%
Totals for Area of Interest			24.5	100.0%

Rating Options—Wind Erodibility Group*Aggregation Method: Dominant Condition*

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A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The aggregation method "Dominant Condition" first groups like attribute values for the components in a map unit. For each group, percent composition is set to the sum of the percent composition of all components participating in that group. These groups now represent "conditions" rather than components. The attribute value associated with the group with the highest cumulative percent composition is returned. If more than one group shares the highest cumulative percent composition, the corresponding "tie-break" rule determines which value should be returned. The "tie-break" rule indicates whether the lower or higher group value should be returned in the case of a percent composition tie. The result returned by this aggregation method represents the dominant condition throughout the map unit only when no tie has occurred.

Component Percent Cutoff: None Specified

Components whose percent composition is below the cutoff value will not be considered. If no cutoff value is specified, all components in the database will be

Custom Soil Resource Report

considered. The data for some contrasting soils of minor extent may not be in the database, and therefore are not considered.

Tie-break Rule: Lower

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.

Wind Erodibility Index

The wind erodibility index is a numerical value indicating the susceptibility of soil to wind erosion, or the tons per acre per year that can be expected to be lost to wind erosion. There is a close correlation between wind erosion and the texture of the surface layer, the size and durability of surface clods, rock fragments, organic matter, and a calcareous reaction. Soil moisture and frozen soil layers also influence wind erosion.


Custom Soil Resource Report
Map—Wind Erodibility Index



Custom Soil Resource Report













MAP LEGEND

Area of Interest (AOI)









 Area of Interest (AOI)

Soils

Soil Rating Polygons

	0
	38
	48
	56
	86
	134
	160
	180
	220
	250
	310
	Not rated or not available

Soil Rating Lines













	0
	38
	48
	56
	86
	134
	160
	180
	220

 250


 310

 Not rated or not available





Soil Rating Points

	0
	38
	48
	56
	86
	134
	160
	180
	220
	250
	310
	Not rated or not available

Water Features

 Streams and Canals

Transportation

	Rails
	Interstate Highways
	US Routes
	Major Roads
	Local Roads

Background

 Aerial Photography

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Custom Soil Resource Report

Table—Wind Erodibility Index

Map unit symbol	Map unit name	Rating (tons per acre per year)	Acres in AOI	Percent of AOI
KO	Kimbrough gravelly loam, dry, 0 to 3 percent slopes	56	18.7	76.3%
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	56	1.1	4.7%
SS	Stegall and Slaughter soils	48	4.6	19.0%
Totals for Area of Interest			24.5	100.0%

Rating Options—Wind Erodibility Index

Units of Measure: tons per acre per year

Aggregation Method: Dominant Condition

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The aggregation method "Dominant Condition" first groups like attribute values for the components in a map unit. For each group, percent composition is set to the sum of the percent composition of all components participating in that group. These groups now represent "conditions" rather than components. The attribute value associated with the group with the highest cumulative percent composition is returned. If more than one group shares the highest cumulative percent composition, the corresponding "tie-break" rule determines which value should be returned. The "tie-break" rule indicates whether the lower or higher group value should be returned in the case of a percent composition tie. The result returned by this aggregation method represents the dominant condition throughout the map unit only when no tie has occurred.

Component Percent Cutoff: None Specified

Custom Soil Resource Report

Components whose percent composition is below the cutoff value will not be considered. If no cutoff value is specified, all components in the database will be considered. The data for some contrasting soils of minor extent may not be in the database, and therefore are not considered.

Tie-break Rule: Higher

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.

K Factor, Whole Soil

Erosion factor K indicates the susceptibility of a soil to sheet and rill erosion by water. Factor K is one of six factors used in the Universal Soil Loss Equation (USLE) and the Revised Universal Soil Loss Equation (RUSLE) to predict the average annual rate of soil loss by sheet and rill erosion in tons per acre per year. The estimates are based primarily on percentage of silt, sand, and organic matter and on soil structure and saturated hydraulic conductivity (Ksat). Values of K range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.

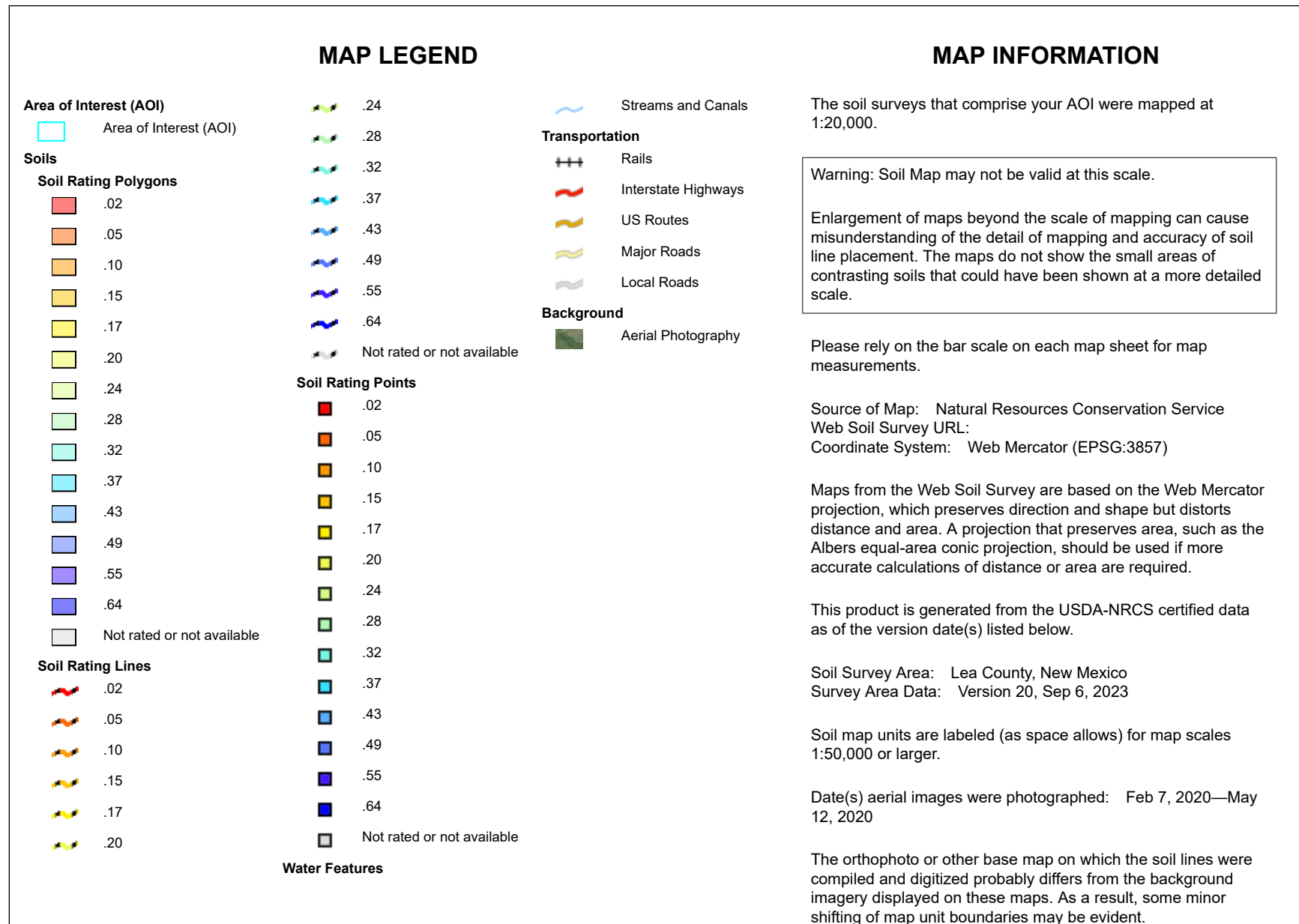
"Erosion factor Kw (whole soil)" indicates the erodibility of the whole soil. The estimates are modified by the presence of rock fragments.

Factor K does not apply to organic horizons and is not reported for those layers.

Custom Soil Resource Report
Map—K Factor, Whole Soil



Custom Soil Resource Report



Custom Soil Resource Report

Table—K Factor, Whole Soil

Map unit symbol	Map unit name	Rating	Acres in AOI	Percent of AOI
KO	Kimbrough gravelly loam, dry, 0 to 3 percent slopes	.32	18.7	76.3%
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	.32	1.1	4.7%
SS	Stegall and Slaughter soils	.32	4.6	19.0%
Totals for Area of Interest			24.5	100.0%

Rating Options—K Factor, Whole Soil*Aggregation Method: Dominant Condition*

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The aggregation method "Dominant Condition" first groups like attribute values for the components in a map unit. For each group, percent composition is set to the sum of the percent composition of all components participating in that group. These groups now represent "conditions" rather than components. The attribute value associated with the group with the highest cumulative percent composition is returned. If more than one group shares the highest cumulative percent composition, the corresponding "tie-break" rule determines which value should be returned. The "tie-break" rule indicates whether the lower or higher group value should be returned in the case of a percent composition tie. The result returned by this aggregation method represents the dominant condition throughout the map unit only when no tie has occurred.

Component Percent Cutoff: None Specified

Components whose percent composition is below the cutoff value will not be considered. If no cutoff value is specified, all components in the database will be

Custom Soil Resource Report

considered. The data for some contrasting soils of minor extent may not be in the database, and therefore are not considered.

Tie-break Rule: Higher

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.

Layer Options (Horizon Aggregation Method): Surface Layer (Not applicable)

For an attribute of a soil horizon, a depth qualification must be specified. In most cases it is probably most appropriate to specify a fixed depth range, either in centimeters or inches. The Bottom Depth must be greater than the Top Depth, and the Top Depth can be greater than zero. The choice of "inches" or "centimeters" only applies to the depth of soil to be evaluated. It has no influence on the units of measure the data are presented in.

When "Surface Layer" is specified as the depth qualifier, only the surface layer or horizon is considered when deriving a value for a component, but keep in mind that the thickness of the surface layer varies from component to component.

When "All Layers" is specified as the depth qualifier, all layers recorded for a component are considered when deriving the value for that component.

Whenever more than one layer or horizon is considered when deriving a value for a component, and the attribute being aggregated is a numeric attribute, a weighted average value is returned, where the weighting factor is the layer or horizon thickness.

Soil Qualities and Features

Soil qualities are behavior and performance attributes that are not directly measured, but are inferred from observations of dynamic conditions and from soil properties. Example soil qualities include natural drainage, and frost action. Soil features are attributes that are not directly part of the soil. Example soil features include slope and depth to restrictive layer. These features can greatly impact the use and management of the soil.

Depth to Any Soil Restrictive Layer

A "restrictive layer" is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers.

This theme presents the depth to any type of restrictive layer that is described for each map unit. If more than one type of restrictive layer is described for an individual soil type, the depth to the shallowest one is presented. If no restrictive

Custom Soil Resource Report

layer is described in a map unit, it is represented by the "greater than 200" depth class.

This attribute is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.


Custom Soil Resource Report
Map—Depth to Any Soil Restrictive Layer



Custom Soil Resource Report








MAP LEGEND

Area of Interest (AOI)


 Area of Interest (AOI)

Soils







Soil Rating Polygons


	0 - 25
	25 - 50
	50 - 100
	100 - 150
	150 - 200
	> 200
	Not rated or not available

Soil Rating Lines


	0 - 25
	25 - 50
	50 - 100
	100 - 150
	150 - 200
	> 200
	Not rated or not available

Soil Rating Points






	0 - 25
	25 - 50
	50 - 100
	100 - 150
	150 - 200
	> 200

 Not rated or not available

Water Features

 Streams and Canals

Transportation

	Rails
	Interstate Highways
	US Routes
	Major Roads
	Local Roads

Background

 Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 20, Sep 6, 2023

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

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

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

Custom Soil Resource Report

Table—Depth to Any Soil Restrictive Layer

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
KO	Kimbrough gravelly loam, dry, 0 to 3 percent slopes	25	18.7	76.3%
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	25	1.1	4.7%
SS	Stegall and Slaughter soils	71	4.6	19.0%
Totals for Area of Interest			24.5	100.0%

Rating Options—Depth to Any Soil Restrictive Layer

Units of Measure: centimeters

Aggregation Method: Dominant Component

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The aggregation method "Dominant Component" returns the attribute value associated with the component with the highest percent composition in the map unit. If more than one component shares the highest percent composition, the corresponding "tie-break" rule determines which value should be returned. The "tie-break" rule indicates whether the lower or higher attribute value should be returned in the case of a percent composition tie. The result returned by this aggregation method may or may not represent the dominant condition throughout the map unit.

Component Percent Cutoff: None Specified

Components whose percent composition is below the cutoff value will not be considered. If no cutoff value is specified, all components in the database will be considered. The data for some contrasting soils of minor extent may not be in the database, and therefore are not considered.

Tie-break Rule: Lower

Custom Soil Resource Report

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.

Interpret Nulls as Zero: No

This option indicates if a null value for a component should be converted to zero before aggregation occurs. This will be done only if a map unit has at least one component where this value is not null.

Depth to Bedrock

The term bedrock in soil survey refers to a continuous root and water restrictive layer of rock that occurs within the soil profile.

There are many types of restrictions that can occur within the soil profile but this theme only includes the three restrictions that use the term bedrock. These are:

- 1) Lithic Bedrock
- 2) Paralithic Bedrock
- 3) Densic Bedrock

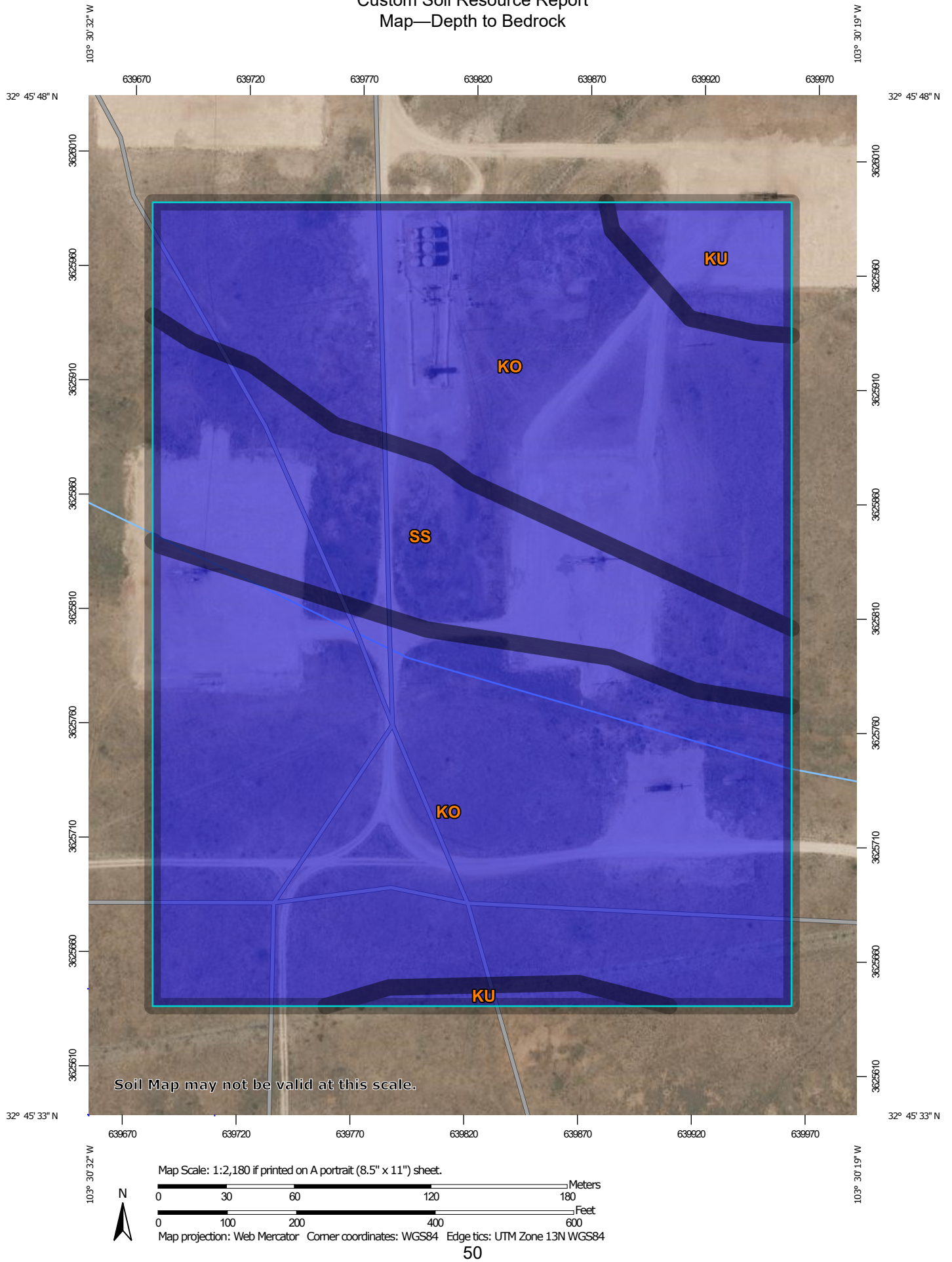
Lithic bedrock and paralithic bedrock are comprised of igneous, metamorphic, and sedimentary rocks, which are coherent and consolidated into rock through pressure, heat, cementation, or fusion. Lithic bedrock represents the hardest type of bedrock, with a hardness of strongly coherent to indurated. Paralithic bedrock has a hardness of extremely weakly coherent to moderately coherent. It can occur as a thin layer of weathered bedrock above harder lithic bedrock. Paralithic bedrock can also be much thicker, extending well below the soil profile.

Densic bedrock represents a unique kind of bedrock recognized within the soil survey. It is non-coherent and consolidated, dense root restrictive material, formed by pressure, heat, and dewatering of earth materials or sediments. Densic bedrock differs from densic materials, which formed under the compaction of glaciers, mudflows, and or human-caused compaction.

If more than one type of bedrock is described for an individual soil type, the depth to the shallowest one is given. If no bedrock is described in a map unit, it is represented by the "greater than 200" depth class.

Depth to bedrock is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.


Custom Soil Resource Report
Map—Depth to Bedrock



Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)


 Area of Interest (AOI)

Soils







Soil Rating Polygons


-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200
-  Not rated or not available

Soil Rating Lines


-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200
-  Not rated or not available

Soil Rating Points




-  0 - 25
-  25 - 50
-  50 - 100
-  100 - 150
-  150 - 200
-  > 200

 Not rated or not available


Water Features

 Streams and Canals

Transportation

-  Rails
-  Interstate Highways
-  US Routes
-  Major Roads
-  Local Roads

Background

 Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 20, Sep 6, 2023

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

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

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

Custom Soil Resource Report

Table—Depth to Bedrock

Map unit symbol	Map unit name	Rating (centimeters)	Acres in AOI	Percent of AOI
KO	Kimbrough gravelly loam, dry, 0 to 3 percent slopes	>200	18.7	76.3%
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	>200	1.1	4.7%
SS	Stegall and Slaughter soils	>200	4.6	19.0%
Totals for Area of Interest			24.5	100.0%

Rating Options—Depth to Bedrock

Units of Measure: centimeters

Aggregation Method: Dominant Component

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The aggregation method "Dominant Component" returns the attribute value associated with the component with the highest percent composition in the map unit. If more than one component shares the highest percent composition, the corresponding "tie-break" rule determines which value should be returned. The "tie-break" rule indicates whether the lower or higher attribute value should be returned in the case of a percent composition tie. The result returned by this aggregation method may or may not represent the dominant condition throughout the map unit.

Component Percent Cutoff: None Specified

Components whose percent composition is below the cutoff value will not be considered. If no cutoff value is specified, all components in the database will be considered. The data for some contrasting soils of minor extent may not be in the database, and therefore are not considered.

Tie-break Rule: Lower

Custom Soil Resource Report

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.

Interpret Nulls as Zero: No

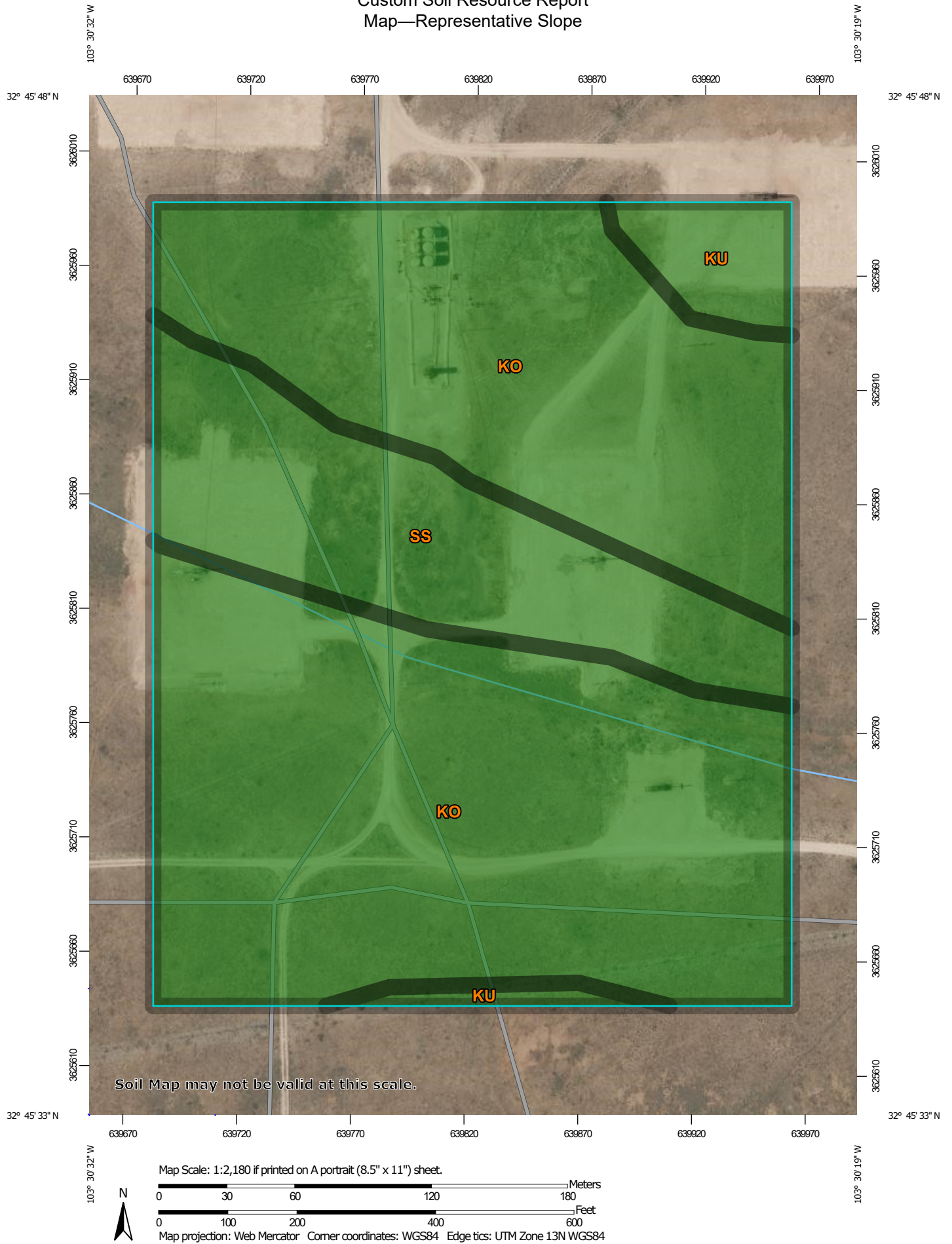
This option indicates if a null value for a component should be converted to zero before aggregation occurs. This will be done only if a map unit has at least one component where this value is not null.

Representative Slope

Slope gradient is the difference in elevation between two points, expressed as a percentage of the distance between those points.

The slope gradient is actually recorded as three separate values in the database. A low value and a high value indicate the range of this attribute for the soil component. A "representative" value indicates the expected value of this attribute for the component. For this soil property, only the representative value is used.

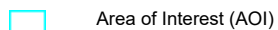
Custom Soil Resource Report
Map—Representative Slope



Custom Soil Resource Report

MAP LEGEND

Area of Interest (AOI)



Area of Interest (AOI)

Soils

Soil Rating Polygons



0 - 5



5 - 15



15 - 45



45 - 60



60 - 100

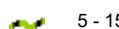


Not rated or not available

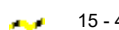
Soil Rating Lines



0 - 5



5 - 15



15 - 45



45 - 60



60 - 100

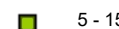


Not rated or not available

Soil Rating Points



0 - 5



5 - 15



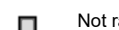
15 - 45



45 - 60



60 - 100



Not rated or not available

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

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Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 20, Sep 6, 2023

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

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

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

Custom Soil Resource Report

Table—Representative Slope

Map unit symbol	Map unit name	Rating (percent)	Acres in AOI	Percent of AOI
KO	Kimbrough gravelly loam, dry, 0 to 3 percent slopes	1.0	18.7	76.3%
KU	Kimbrough-Lea complex, dry, 0 to 3 percent slopes	1.0	1.1	4.7%
SS	Stegall and Slaughter soils	0.5	4.6	19.0%
Totals for Area of Interest			24.5	100.0%

Rating Options—Representative Slope

Units of Measure: percent

Aggregation Method: Dominant Component

Aggregation is the process by which a set of component attribute values is reduced to a single value that represents the map unit as a whole.

A map unit is typically composed of one or more "components". A component is either some type of soil or some nonsoil entity, e.g., rock outcrop. For the attribute being aggregated, the first step of the aggregation process is to derive one attribute value for each of a map unit's components. From this set of component attributes, the next step of the aggregation process derives a single value that represents the map unit as a whole. Once a single value for each map unit is derived, a thematic map for soil map units can be rendered. Aggregation must be done because, on any soil map, map units are delineated but components are not.

For each of a map unit's components, a corresponding percent composition is recorded. A percent composition of 60 indicates that the corresponding component typically makes up approximately 60% of the map unit. Percent composition is a critical factor in some, but not all, aggregation methods.

The aggregation method "Dominant Component" returns the attribute value associated with the component with the highest percent composition in the map unit. If more than one component shares the highest percent composition, the corresponding "tie-break" rule determines which value should be returned. The "tie-break" rule indicates whether the lower or higher attribute value should be returned in the case of a percent composition tie. The result returned by this aggregation method may or may not represent the dominant condition throughout the map unit.

Component Percent Cutoff: None Specified

Components whose percent composition is below the cutoff value will not be considered. If no cutoff value is specified, all components in the database will be considered. The data for some contrasting soils of minor extent may not be in the database, and therefore are not considered.

Tie-break Rule: Higher

Custom Soil Resource Report

The tie-break rule indicates which value should be selected from a set of multiple candidate values, or which value should be selected in the event of a percent composition tie.

Interpret Nulls as Zero: No

This option indicates if a null value for a component should be converted to zero before aggregation occurs. This will be done only if a map unit has at least one component where this value is not null.

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Custom Soil Resource Report

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NMSLO Seed Mix**Loamy (L)****LOAMY (L) SITES SEED MIXTURE:**

COMMON NAME	VARIETY	APPLICATION RATE (PLS/Acre)	DRILL BOX
Grasses:			
Black grama	VNS, Southern	1.0	D
Blue grama	Lovington	1.0	D
Sideoats grama	Vaughn, El Reno	4.0	F
Sand dropseed	VNS, Southern	2.0	S
Alkali sacaton	VNS, Southern	1.0	
Little bluestem	Cimarron, Pastura	1.5	F
Forbs:			
Firewheel (<i>Gaillardia</i>)	VNS, Southern	1.0	D
Shrubs:			
Fourwing saltbush	Marana, Santa Rita	1.0	D
Common winterfat	VNS, Southern	0.5	F
Total PLS/acre		18.0	

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern – Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at <http://plants.usda.gov>.





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

February 15, 2023

ALAN KANE

KANE ENVIROMENTAL

8816 BIG VIEW DRIVE

AUSTIN, TX 78730

RE: NMBO STATE

Enclosed are the results of analyses for samples received by the laboratory on 02/09/23 11:21.

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

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

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

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/09/2023
 Reported: 02/15/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: BACKGROUND (H230604-01)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2023	ND	2.03	101	2.00	0.604		
Toluene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	0.818		
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.06	103	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.27	104	6.00	0.267		
Total BTEX	<0.300	0.300	02/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2023	ND	189	94.4	200	3.57	
DRO >C10-C28*	<10.0	10.0	02/13/2023	ND	185	92.5	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	02/13/2023	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/09/2023
 Reported: 02/15/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NMBO A - 1 (0-1) (H230604-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2023	ND	2.03	101	2.00	0.604		
Toluene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	0.818		
Ethylbenzene*	0.073	0.050	02/14/2023	ND	2.06	103	2.00	1.33		
Total Xylenes*	0.417	0.150	02/14/2023	ND	6.27	104	6.00	0.267		
Total BTEX	0.490	0.300	02/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2023	ND	189	94.4	200	3.57	
DRO >C10-C28*	59.6	10.0	02/13/2023	ND	185	92.5	200	2.60	
EXT DRO >C28-C36	43.0	10.0	02/13/2023	ND					

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/09/2023
 Reported: 02/15/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NMBO I - 1 (0-1) (H230604-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2023	ND	2.03	101	2.00	0.604		
Toluene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	0.818		
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.06	103	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.27	104	6.00	0.267		
Total BTEX	<0.300	0.300	02/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/14/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2023	ND	189	94.4	200	3.57	
DRO >C10-C28*	<10.0	10.0	02/13/2023	ND	185	92.5	200	2.60	
EXT DRO >C28-C36	<10.0	10.0	02/13/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/09/2023
 Reported: 02/15/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NMBO I - 2 (1-2) (H230604-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2023	ND	2.03	101	2.00	0.604		
Toluene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	0.818		
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.06	103	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.27	104	6.00	0.267		
Total BTEX	<0.300	0.300	02/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/14/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2023	ND	189	94.4	200	3.57	
DRO >C10-C28*	194	10.0	02/13/2023	ND	185	92.5	200	2.60	
EXT DRO >C28-C36	154	10.0	02/13/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/09/2023
 Reported: 02/15/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NMBO I - 3 (2-3) (H230604-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2023	ND	2.03	101	2.00	0.604		
Toluene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	0.818		
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.06	103	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.27	104	6.00	0.267		
Total BTEX	<0.300	0.300	02/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/14/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2023	ND	193	96.5	200	1.94	
DRO >C10-C28*	<10.0	10.0	02/13/2023	ND	207	103	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	02/13/2023	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/09/2023
 Reported: 02/15/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NMBO I - 4 (3-4) (H230604-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2023	ND	2.03	101	2.00	0.604		
Toluene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	0.818		
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.06	103	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.27	104	6.00	0.267		
Total BTEX	<0.300	0.300	02/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/14/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2023	ND	193	96.5	200	1.94	
DRO >C10-C28*	<10.0	10.0	02/13/2023	ND	207	103	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	02/13/2023	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/09/2023
 Reported: 02/15/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NMBO J - 1 (0-1) (H230604-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2023	ND	2.03	101	2.00	0.604		
Toluene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	0.818		
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.06	103	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.27	104	6.00	0.267		
Total BTEx	<0.300	0.300	02/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/14/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	193	96.5	200	1.94	
DRO >C10-C28*	432	10.0	02/14/2023	ND	207	103	200	3.82	
EXT DRO >C28-C36	198	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/09/2023
 Reported: 02/15/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NMBO J - 2 (1-2) (H230604-08)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2023	ND	2.03	101	2.00	0.604	
Toluene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	0.818	
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.06	103	2.00	1.33	
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.27	104	6.00	0.267	
Total BTEX	<0.300	0.300	02/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/14/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	193	96.5	200	1.94	
DRO >C10-C28*	302	10.0	02/14/2023	ND	207	103	200	3.82	
EXT DRO >C28-C36	156	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/09/2023
 Reported: 02/15/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NMBO J - 3 (2-3) (H230604-09)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2023	ND	2.03	101	2.00	0.604	
Toluene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	0.818	
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.06	103	2.00	1.33	
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.27	104	6.00	0.267	
Total BTEX	<0.300	0.300	02/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	02/14/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2023	ND	193	96.5	200	1.94	
DRO >C10-C28*	96.0	10.0	02/13/2023	ND	207	103	200	3.82	
EXT DRO >C28-C36	30.6	10.0	02/13/2023	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/09/2023
 Reported: 02/15/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: NMBO J - 4 (3-4) (H230604-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/14/2023	ND	2.03	101	2.00	0.604		
Toluene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	0.818		
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.06	103	2.00	1.33		
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.27	104	6.00	0.267		
Total BTEX	<0.300	0.300	02/14/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/14/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/13/2023	ND	193	96.5	200	1.94	
DRO >C10-C28*	22.4	10.0	02/13/2023	ND	207	103	200	3.82	
EXT DRO >C28-C36	<10.0	10.0	02/13/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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Page 13 of 13



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

February 17, 2023

ALAN KANE

KANE ENVIROMENTAL

8816 BIG VIEW DRIVE

AUSTIN, TX 78730

RE: NMBO STATE

Enclosed are the results of analyses for samples received by the laboratory on 02/10/23 12:40.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO A 2' (H230639-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.958	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	1.10	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.174	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.41	107	6.00	0.624	
Total BTEX	<0.300	0.300	02/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	02/14/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	199	99.4	200	2.58	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	186	93.2	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 71.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO A 3' (H230639-02)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.958	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	1.10	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.174	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.41	107	6.00	0.624	
Total BTEX	<0.300	0.300	02/16/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	02/14/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	199	99.4	200	2.58	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	186	93.2	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO A 4' (H230639-03)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.958	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	1.10	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.174	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.41	107	6.00	0.624	
Total BTEX	<0.300	0.300	02/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/14/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	199	99.4	200	2.58	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	186	93.2	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO B 1' (H230639-04)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.958		
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	1.10		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.174		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.41	107	6.00	0.624		
Total BTX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/14/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	199	99.4	200	2.58	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	186	93.2	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO B 2' (H230639-05)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.958	
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	1.10	
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.174	
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.41	107	6.00	0.624	
Total BTEX	<0.300	0.300	02/16/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/14/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	199	99.4	200	2.58	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	186	93.2	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO B 3' (H230639-06)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.958		
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	1.10		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.174		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.41	107	6.00	0.624		
Total BTX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/14/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	199	99.4	200	2.58	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	186	93.2	200	7.00	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 98.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO B 4' (H230639-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.958		
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	1.10		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.174		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.41	107	6.00	0.624		
Total BTEX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	02/14/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO C 1' (H230639-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.958		
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	1.10		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.174		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.41	107	6.00	0.624		
Total BTEx	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	02/14/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO C 2' (H230639-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.958		
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	1.10		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.174		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.41	107	6.00	0.624		
Total BTEX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	02/14/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 93.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO C 3' (H230639-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.958		
Toluene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	1.10		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	0.174		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.41	107	6.00	0.624		
Total BTEx	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	02/14/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO C 4' (H230639-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTEX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	02/14/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO D 1' (H230639-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTEX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	02/14/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 67.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO D 2' (H230639-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTEX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	02/14/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 70.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO D 3' (H230639-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTEX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO D 4' (H230639-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTEX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	02/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 77.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO E 1' (H230639-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTEX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	157	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	146	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 67.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO E 2' (H230639-17)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	02/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	21.5	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	24.6	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 61.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO E 3' (H230639-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTEx	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 76.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.8 % 49.1-148

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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO E 4' (H230639-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTEX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.4 % 49.1-148

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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO F 1' (H230639-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTEX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	02/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	14.3	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	13.9	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 62.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.6 % 49.1-148

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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO F 2' (H230639-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTEX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 71.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO F 3' (H230639-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTEx	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	02/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO F 4' (H230639-23)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTEX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO G 1' (H230639-24)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	37.1	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	29.6	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO G 2' (H230639-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTEx	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO G 3' (H230639-26)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/14/2023	ND	188	94.1	200	4.18	
DRO >C10-C28*	<10.0	10.0	02/14/2023	ND	197	98.7	200	6.39	
EXT DRO >C28-C36	<10.0	10.0	02/14/2023	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO G 4' (H230639-27)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTEx	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	178	89.1	200	1.34	
DRO >C10-C28*	20.5	10.0	02/15/2023	ND	174	86.9	200	0.420	
EXT DRO >C28-C36	15.9	10.0	02/15/2023	ND					

Surrogate: 1-Chlorooctane 61.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.7 % 49.1-148

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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO H 1' (H230639-28)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTEX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	02/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	178	89.1	200	1.34	
DRO >C10-C28*	38.1	10.0	02/15/2023	ND	174	86.9	200	0.420	
EXT DRO >C28-C36	33.3	10.0	02/15/2023	ND					

Surrogate: 1-Chlorooctane 51.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 54.6 % 49.1-148

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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO H 2' (H230639-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTEX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	02/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	178	89.1	200	1.34	
DRO >C10-C28*	24.8	10.0	02/15/2023	ND	174	86.9	200	0.420	
EXT DRO >C28-C36	31.5	10.0	02/15/2023	ND					

Surrogate: 1-Chlorooctane 68.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.4 % 49.1-148

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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO H 3' (H230639-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/16/2023	ND	2.12	106	2.00	11.5		
Toluene*	<0.050	0.050	02/16/2023	ND	2.09	105	2.00	11.8		
Ethylbenzene*	<0.050	0.050	02/16/2023	ND	2.04	102	2.00	12.2		
Total Xylenes*	<0.150	0.150	02/16/2023	ND	6.21	103	6.00	12.1		
Total BTEX	<0.300	0.300	02/16/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	178	89.1	200	1.34	
DRO >C10-C28*	27.7	10.0	02/15/2023	ND	174	86.9	200	0.420	
EXT DRO >C28-C36	17.6	10.0	02/15/2023	ND					

Surrogate: 1-Chlorooctane 67.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.7 % 49.1-148

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Analytical Results For:

KANE ENVIROMENTAL
 ALAN KANE
 8816 BIG VIEW DRIVE
 AUSTIN TX, 78730
 Fax To:

Received: 02/10/2023
 Reported: 02/17/2023
 Project Name: NMBO STATE
 Project Number: 22-486
 Project Location: BUCKEYE, NM

Sampling Date: 02/09/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: NMBO H 4' (H230639-31)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/14/2023	ND	2.05	102	2.00	0.935	
Toluene*	<0.050	0.050	02/14/2023	ND	2.09	104	2.00	1.99	
Ethylbenzene*	<0.050	0.050	02/14/2023	ND	2.06	103	2.00	2.45	
Total Xylenes*	<0.150	0.150	02/14/2023	ND	6.22	104	6.00	1.96	
Total BTEX	<0.300	0.300	02/14/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	02/15/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	02/15/2023	ND	178	89.1	200	1.34	
DRO >C10-C28*	34.2	10.0	02/15/2023	ND	174	86.9	200	0.420	
EXT DRO >C28-C36	24.3	10.0	02/15/2023	ND					

Surrogate: 1-Chlorooctane 59.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.9 % 49.1-148

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of

Company Name: KANE ENV. ENGR INC.					
Project Manager: Russell Hamm					
Address: 2351 East Highway 21					
City: Lincoln State: TX Zip: 78948					
Phone #: 261 639 9590 Fax #:					
Project #: 22-486 Project Owner:					
Project Name: NM BO STARC					
Project Location:					
Sample Name: Billy Stockton					
FOR LAB USE ONLY					
Lab I.D. Sample I.D.					
(G)RAB OR (C)OMP.					
# CONTAINERS					
GROUNDWATER					
WASTEWATER					
SOIL					
OIL					
SLUDGE					
OTHER :					
ACID/BASE:					
ICE / COOL					
OTHER :					
DATE TIME					
TPH GRO					
TPH DRO					
TPH MRO					
BT EX					
Chloride					



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2 of 4

BILL TO

ANALYSIS REQUEST

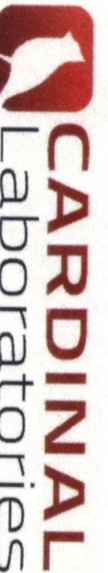
Company Name:	Kane Env. Eng. Inc	P.O. #:	
Project Manager:	Rossie Ann	Company:	
Address:	2351 East Highway 21	Attn:	
City:	Lincoln	State:	Ty Zip: 78948
Phone #:	281 639 9590	Fax #:	
Project #:	22-486	Project Owner:	
Project Name:	NMBO State	City:	
Project Location:		State:	Zip:
Sample Name:	Billy Stacked	Phone #:	
		Fax #:	

FOR LAB USE ONLY		MATRIX		PRESERV	SAMPLING					
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:
										ICE / COOL
										OTHER :
DATE	TIME									
2/9/23	11:55 AM	✓	✓	✓	✓	✓	✓	✓	✓	✓
2/9/23	12:15 PM	✓	✓	✓	✓	✓	✓	✓	✓	✓
2/9/23	12:30 PM	✓	✓	✓	✓	✓	✓	✓	✓	✓
2/9/23	12:40 PM	✓	✓	✓	✓	✓	✓	✓	✓	✓
2/9/23	11:05 AM	✓	✓	✓	✓	✓	✓	✓	✓	✓
2/9/23	11:15 AM	✓	✓	✓	✓	✓	✓	✓	✓	✓
2/9/23	11:25 AM	✓	✓	✓	✓	✓	✓	✓	✓	✓
2/9/23	11:35 AM	✓	✓	✓	✓	✓	✓	✓	✓	✓
2/9/23	10:20 AM	✓	✓	✓	✓	✓	✓	✓	✓	✓

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Relinquished By:	Date: 2/9/23	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: 1:40	Received By:	All Results are emailed. Please provide Email address:	
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>
				Bacteria (only) <input type="checkbox"/>
				Cool Intact <input type="checkbox"/>
				Observed Temp. °C
				Corrected Temp. °C

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Company Name: Kane & Co. Engle Inc.		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Russell Warren		Company: Same					
Address: 2351 East Highway 21		Attn:					
City: Lincoln		Address:					
Phone #: 261 632 9590		City:					
Fax #:		State:					
Project #: 22-486		Zip:					
Project Name: NMBO STATE		Phone #:					
Project Location:		Fax #:					
Sampler Name:							
FOR LAB USE ONLY							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV.	SAMPLING
				GROUNDWATER			
				WASTEWATER			
				SOIL			
				OIL			
				SLUDGE			
				OTHER :			
				ACID/BASE:			
				ICE / COOL			
				OTHER :			
				DATE	TIME		
21	NMBO	F 21	✓	2/9/23	10:35am	✓	TPH GRO
22	NMBO	F 31	✓	2/9/23	10:45am	✓	TPH DRO
23	NMBO	F 41	✓	2/9/23	10:55am	✓	TPH MRO
24	NMBO	G 11	✓	2/9/23	9:15am	✓	BTE X
25	NMBO	G 21	✓	2/9/23	9:30am	✓	Chlorides
26	NMBO	G 31	✓	2/9/23	9:50am	✓	
27	NMBO	G 41	✓	2/9/23	10:05am	✓	
28	NMBO	H 11	✓	2/9/23	8:30am	✓	
29	NMBO	H 21	✓	2/9/23	8:40am	✓	
30	NMBO	H 31	✓	2/9/23	8:40am	✓	

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Relinquished By:	Date: 2/10/23	Received By:	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Date: 2/10/23	Received By:	All Results are emailed. Please provide Email address:	
REMARKS:				

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		Thermometer ID #113	Rush <input type="checkbox"/>	Cool <input type="checkbox"/> Intact <input type="checkbox"/>	Observed Temp. °C
	3.1	No <input type="checkbox"/> Yes <input type="checkbox"/>		Correction Factor -0.6°C		No <input type="checkbox"/> Yes <input type="checkbox"/>	Corrected Temp. °C

FORM 006 R 03/07/10/22

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

4 of 4



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

March 27, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: NM BO ST BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/22/23 8:05.

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

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

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

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-001-00.0-NA-P (H231294-01)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.99	99.5	2.00	1.40	
Toluene*	<0.050	0.050	03/24/2023	ND	2.02	101	2.00	2.26	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.02	101	2.00	2.32	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.06	101	6.00	2.60	
Total BTEX	<0.300	0.300	03/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/24/2023	ND	432	108	400	3.64		

TPH 8015M	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	183	91.6	200	1.49	
DRO >C10-C28*	381	10.0	03/24/2023	ND	174	87.1	200	2.62	
EXT DRO >C28-C36	286	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 165 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-002-00.0-NA-P (H231294-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	1.99	99.5	2.00	1.40		
Toluene*	<0.050	0.050	03/24/2023	ND	2.02	101	2.00	2.26		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.02	101	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.06	101	6.00	2.60		
Total BTEX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/24/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	183	91.6	200	1.49	
DRO >C10-C28*	760	10.0	03/24/2023	ND	174	87.1	200	2.62	
EXT DRO >C28-C36	515	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 141 % 48.2-134

Surrogate: 1-Chlorooctadecane 142 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-003-00.0-NA-P (H231294-03)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	1.99	99.5	2.00	1.40	
Toluene*	<0.050	0.050	03/24/2023	ND	2.02	101	2.00	2.26	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.02	101	2.00	2.32	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.06	101	6.00	2.60	
Total BTEX	<0.300	0.300	03/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2023	ND	183	91.6	200	1.49	
DRO >C10-C28*	89.5	10.0	03/23/2023	ND	174	87.1	200	2.62	
EXT DRO >C28-C36	84.4	10.0	03/23/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-004-00.0-NA-P (H231294-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	1.99	99.5	2.00	1.40		
Toluene*	<0.050	0.050	03/24/2023	ND	2.02	101	2.00	2.26		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.02	101	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.06	101	6.00	2.60		
Total BTEX	<0.300	0.300	03/24/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	03/24/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2023	ND	183	91.6	200	1.49	
DRO >C10-C28*	40.3	10.0	03/23/2023	ND	174	87.1	200	2.62	
EXT DRO >C28-C36	33.9	10.0	03/23/2023	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-032-00.0-NA-P (H231294-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	1.99	99.5	2.00	1.40		
Toluene*	<0.050	0.050	03/24/2023	ND	2.02	101	2.00	2.26		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.02	101	2.00	2.32		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.06	101	6.00	2.60		
Total BTEX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/24/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2023	ND	183	91.6	200	1.49	
DRO >C10-C28*	175	10.0	03/23/2023	ND	174	87.1	200	2.62	
EXT DRO >C28-C36	133	10.0	03/23/2023	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 143 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-031-00.0-NA-P (H231294-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	2.00	100	2.00	2.66		
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	2.83		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.07	103	2.00	4.52		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.28	105	6.00	5.54		
Total BTEx	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/24/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2023	ND	183	91.6	200	1.49	
DRO >C10-C28*	<10.0	10.0	03/23/2023	ND	174	87.1	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	03/23/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-030-00.0-NA-P (H231294-07)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	2.00	100	2.00	2.66		
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	2.83		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.07	103	2.00	4.52		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.28	105	6.00	5.54		
Total BTEX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	03/24/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	183	91.6	200	1.49	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	174	87.1	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-029-00.0-NA-P (H231294-08)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	2.00	100	2.00	2.66		
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	2.83		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.07	103	2.00	4.52		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.28	105	6.00	5.54		
Total BTEX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/24/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	183	91.6	200	1.49	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	174	87.1	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-009-00.0-NA-P (H231294-09)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	2.00	100	2.00	2.66		
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	2.83		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.07	103	2.00	4.52		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.28	105	6.00	5.54		
Total BTEX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	03/24/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	183	91.6	200	1.49	
DRO >C10-C28*	15.4	10.0	03/24/2023	ND	174	87.1	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-010-01.0-NA-P (H231294-10)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	2.00	100	2.00	2.66		
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	2.83		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.07	103	2.00	4.52		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.28	105	6.00	5.54		
Total BTEX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	03/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	183	91.6	200	1.49	
DRO >C10-C28*	584	10.0	03/24/2023	ND	174	87.1	200	2.62	
EXT DRO >C28-C36	257	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 138 % 48.2-134

Surrogate: 1-Chlorooctadecane 186 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-011-00.0-NA-P (H231294-11)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	2.00	100	2.00	2.66		
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	2.83		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.07	103	2.00	4.52		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.28	105	6.00	5.54		
Total BTEX	<0.300	0.300	03/24/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	183	91.6	200	1.49	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	174	87.1	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-013-01.0-NA-P (H231294-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	2.00	100	2.00	2.66		
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	2.83		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.07	103	2.00	4.52		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.28	105	6.00	5.54		
Total BTEX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	03/24/2023	ND	183	91.6	200	1.49	
DRO >C10-C28*	1080	50.0	03/24/2023	ND	174	87.1	200	2.62	
EXT DRO >C28-C36	592	50.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 192 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-034-00.0-NA-P (H231294-13)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	2.00	100	2.00	2.66		
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	2.83		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.07	103	2.00	4.52		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.28	105	6.00	5.54		
Total BTEX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	183	91.6	200	1.49	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	174	87.1	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-035-00.0-NA-P (H231294-14)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	2.00	100	2.00	2.66		
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	2.83		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.07	103	2.00	4.52		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.28	105	6.00	5.54		
Total BTEX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	03/24/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	183	91.6	200	1.49	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	174	87.1	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-036-00.0-NA-P (H231294-15)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	2.00	100	2.00	2.66		
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	2.83		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.07	103	2.00	4.52		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.28	105	6.00	5.54		
Total BTEX	<0.300	0.300	03/24/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	03/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	183	91.6	200	1.49	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	174	87.1	200	2.62	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-038-00.0-NA-P (H231294-16)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/24/2023	ND	2.00	100	2.00	2.66	
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	2.83	
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.07	103	2.00	4.52	
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.28	105	6.00	5.54	
Total BTEX	<0.300	0.300	03/24/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	183	91.6	200	1.49	
DRO >C10-C28*	16.0	10.0	03/24/2023	ND	174	87.1	200	2.62	
EXT DRO >C28-C36	14.5	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 127 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-039-00.0-NA-P (H231294-17)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	2.00	100	2.00	2.66		
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	2.83		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.07	103	2.00	4.52		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.28	105	6.00	5.54		
Total BTEX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/23/2023	ND	171	85.6	200	26.9	
DRO >C10-C28*	<10.0	10.0	03/23/2023	ND	178	89.2	200	28.6	
EXT DRO >C28-C36	<10.0	10.0	03/23/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-040-00.0-NA-P (H231294-18)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	2.00	100	2.00	2.66		
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	2.83		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.07	103	2.00	4.52		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.28	105	6.00	5.54		
Total BTEX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	03/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	171	85.6	200	26.9	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	178	89.2	200	28.6	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-041-00.0-NA-P (H231294-19)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	2.00	100	2.00	2.66		
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	2.83		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.07	103	2.00	4.52		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.28	105	6.00	5.54		
Total BTEX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	171	85.6	200	26.9	
DRO >C10-C28*	<10.0	10.0	03/24/2023	ND	178	89.2	200	28.6	
EXT DRO >C28-C36	<10.0	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/22/2023
 Reported: 03/27/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/21/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-042-00.0-NA-P (H231294-20)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/24/2023	ND	2.00	100	2.00	2.66		
Toluene*	<0.050	0.050	03/24/2023	ND	2.04	102	2.00	2.83		
Ethylbenzene*	<0.050	0.050	03/24/2023	ND	2.07	103	2.00	4.52		
Total Xylenes*	<0.150	0.150	03/24/2023	ND	6.28	105	6.00	5.54		
Total BTEX	<0.300	0.300	03/24/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/24/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/24/2023	ND	171	85.6	200	26.9	
DRO >C10-C28*	65.0	10.0	03/24/2023	ND	178	89.2	200	28.6	
EXT DRO >C28-C36	58.8	10.0	03/24/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-04	The RPD for the BS/BSD was outside of historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Page 23 of 24



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Trinity Oilfield Services		P.O. #:	
Project Manager: Dan Dunkelberg		Company: Cross Timber LLC	
Address: 8426 N Dal Paso		Attn: Kevin Bennett	
City: Hobbs		Address:	
State: NM Zip: 88241		City:	
Phone #:		Fax #:	
Project #:		Project Owner: (see below)	
Project Name: NM BO ST Battery		dan@trinityoilfieldservices.com	
Project Location: LEA CO., NM		State: Zip:	
Sample Name: GM		Phone #:	
Fax #:		PRESERV.	
MATRIX		SAMPLING	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME	Chloride	TPH	BTEX						
11	CF-011-00.0-NA-P	C	1	X											X	X	X						
12	CF-013-01.0-NA-P	C	1	X											X	X	X						
13	CF-034-00.0-NA-P	C	1	X											X	X	X						
14	CF-035-00.0-NA-P	C	1	X											X	X	X						
15	CF-036-00.0-NA-P	C	1	X											X	X	X						
16	CF-038-00.0-NA-P	C	1	X											X	X	X						
17	CF-039-00.0-NA-P	C	1	X											X	X	X						
18	CF-040-00.0-NA-P	C	1	X											X	X	X						
19	CF-041-00.0-NA-P	C	1	X											X	X	X						
20	CF-042-00.0-NA-P	C	1	X											X	X	X						

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Relinquished By:	Date: 3-22-23	Received By:	Verbal Result:	Yes	No	Add'l Phone #:
------------------	---------------	--------------	----------------	-----	----	----------------

Relinquished By: [Signature]

REMARKS: All Results are emailed. Please provide Email address:

Delivered By: (Circle One)	Observed Temp. °C: 9.8	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C: -10.4	Cool Intact	Yes	Thermometer ID #113	Rush	Cool Intact
		Yes	Yes	Correction Factor -0.6 °C		Yes
		No	No			No
						Observed Temp. °C
						Corrected Temp. °C

+ Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com



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

March 31, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: NM BO ST BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 03/28/23 15:48.

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

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

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

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/28/2023	Sampling Date:	03/23/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	NM BO ST BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBER - LEA CO NM		

Sample ID: CF-043-00.0-NA-P (H231413-01)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	1.95	97.7	2.00	7.91		
Toluene*	<0.050	0.050	03/29/2023	ND	1.99	99.7	2.00	7.30		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.97	98.4	2.00	5.83		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.09	102	6.00	6.05		
Total BTEX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	164	82.1	200	0.555	
DRO >C10-C28*	12.2	10.0	03/29/2023	ND	176	88.0	200	4.06	
EXT DRO >C28-C36	21.2	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-044-00.0-NA-P (H231413-02)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	1.95	97.7	2.00	7.91		
Toluene*	<0.050	0.050	03/29/2023	ND	1.99	99.7	2.00	7.30		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.97	98.4	2.00	5.83		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.09	102	6.00	6.05		
Total BTEX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-045-00.0-NA-P (H231413-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	1.95	97.7	2.00	7.91		
Toluene*	<0.050	0.050	03/29/2023	ND	1.99	99.7	2.00	7.30		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	1.97	98.4	2.00	5.83		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.09	102	6.00	6.05		
Total BTEX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 48.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 49.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/28/2023	Sampling Date:	03/23/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	NM BO ST BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBER - LEA CO NM		

Sample ID: CF-046-00.0-NA-P (H231413-04)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2023	ND	1.95	97.7	2.00	7.91		
Toluene*	<0.050	0.050	03/30/2023	ND	1.99	99.7	2.00	7.30		
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	1.97	98.4	2.00	5.83		
Total Xylenes*	<0.150	0.150	03/30/2023	ND	6.09	102	6.00	6.05		
Total BTEX	<0.300	0.300	03/30/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	14.4	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	10.0	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/28/2023	Sampling Date:	03/23/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	NM BO ST BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBER - LEA CO NM		

Sample ID: CF-047-00.0-NA-P (H231413-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2023	ND	1.95	97.7	2.00	7.91		
Toluene*	<0.050	0.050	03/30/2023	ND	1.99	99.7	2.00	7.30		
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	1.97	98.4	2.00	5.83		
Total Xylenes*	<0.150	0.150	03/30/2023	ND	6.09	102	6.00	6.05		
Total BTEX	<0.300	0.300	03/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	53.7	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	55.4	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-048-00.0-NA-P (H231413-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/30/2023	ND	1.95	97.7	2.00	7.91		
Toluene*	<0.050	0.050	03/30/2023	ND	1.99	99.7	2.00	7.30		
Ethylbenzene*	<0.050	0.050	03/30/2023	ND	1.97	98.4	2.00	5.83		
Total Xylenes*	<0.150	0.150	03/30/2023	ND	6.09	102	6.00	6.05		
Total BTEX	<0.300	0.300	03/30/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	10.7	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	15.3	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-049-00.0-NA-P (H231413-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.04	102	2.00	0.999	
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	0.716	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.14	107	2.00	0.404	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.52	109	6.00	2.17	
Total BTEX	<0.300	0.300	03/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/30/2023	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	128	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	140	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-050-00.0-NA-P (H231413-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	2.04	102	2.00	0.999		
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	0.716		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.14	107	2.00	0.404		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.52	109	6.00	2.17		
Total BTEx	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	141	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	169	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-051-00.0-NA-P (H231413-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	2.04	102	2.00	0.999		
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	0.716		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.14	107	2.00	0.404		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.52	109	6.00	2.17		
Total BTEX	<0.300	0.300	03/29/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	33.2	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	39.9	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-052-00.0-NA-P (H231413-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	2.04	102	2.00	0.999		
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	0.716		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.14	107	2.00	0.404		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.52	109	6.00	2.17		
Total BTEX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	95.0	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	86.6	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	03/28/2023	Sampling Date:	03/23/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	NM BO ST BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBER - LEA CO NM		

Sample ID: CF-053-00.0-NA-P (H231413-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	2.04	102	2.00	0.999		
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	0.716		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.14	107	2.00	0.404		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.52	109	6.00	2.17		
Total BTEX	<0.300	0.300	03/29/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54		
DRO >C10-C28*	26.0	10.0	03/29/2023	ND	178	89.0	200	0.163		
EXT DRO >C28-C36	23.3	10.0	03/29/2023	ND						

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-054-00.0-NA-P (H231413-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	2.04	102	2.00	0.999		
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	0.716		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.14	107	2.00	0.404		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.52	109	6.00	2.17		
Total BTEx	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	<10.0	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	<10.0	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-055-00.0-NA-P (H231413-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	2.04	102	2.00	0.999		
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	0.716		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.14	107	2.00	0.404		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.52	109	6.00	2.17		
Total BTEX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	42.0	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	40.3	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 98.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-056-00.0-NA-P (H231413-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	2.04	102	2.00	0.999		
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	0.716		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.14	107	2.00	0.404		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.52	109	6.00	2.17		
Total BTEX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	129	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	134	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	03/28/2023	Sampling Date:	03/23/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	NM BO ST BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBER - LEA CO NM		

Sample ID: CF-057-00.0-NA-P (H231413-15)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.04	102	2.00	0.999	
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	0.716	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.14	107	2.00	0.404	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.52	109	6.00	2.17	
Total BTEX	<0.300	0.300	03/29/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	83.4	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	94.5	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-047-01.0-NA-P (H231413-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	2.04	102	2.00	0.999		
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	0.716		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.14	107	2.00	0.404		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.52	109	6.00	2.17		
Total BTEX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	156	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	184	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-048-01.0-NA-P (H231413-17)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.04	102	2.00	0.999	
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	0.716	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.14	107	2.00	0.404	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.52	109	6.00	2.17	
Total BTEX	<0.300	0.300	03/29/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	194	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	212	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-049-01.0-NA-P (H231413-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/29/2023	ND	2.04	102	2.00	0.999	
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	0.716	
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.14	107	2.00	0.404	
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.52	109	6.00	2.17	
Total BTEX	<0.300	0.300	03/29/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	56.4	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	68.1	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-050-01.0-NA-P (H231413-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	2.04	102	2.00	0.999		
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	0.716		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.14	107	2.00	0.404		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.52	109	6.00	2.17		
Total BTEX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	109	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	132	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Analytical Results For:

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

Received:	03/28/2023	Sampling Date:	03/23/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	NM BO ST BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBER - LEA CO NM		

Sample ID: CF-051-01.0-NA-P (H231413-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	2.04	102	2.00	0.999		
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	0.716		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.14	107	2.00	0.404		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.52	109	6.00	2.17		
Total BTEX	<0.300	0.300	03/29/2023	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	62.7	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	54.9	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-052-01.0-NA-P (H231413-21)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	2.03	101	2.00	0.315		
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	1.14		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.09	105	2.00	0.247		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.30	105	6.00	0.815		
Total BTEX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	179	89.4	200	2.54	
DRO >C10-C28*	78.1	10.0	03/29/2023	ND	178	89.0	200	0.163	
EXT DRO >C28-C36	75.8	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-053-01.0-NA-P (H231413-22)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	2.03	101	2.00	0.315		
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	1.14		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.09	105	2.00	0.247		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.30	105	6.00	0.815		
Total BTEX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	178	89.2	200	3.27	
DRO >C10-C28*	55.5	10.0	03/29/2023	ND	169	84.6	200	2.95	
EXT DRO >C28-C36	51.4	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-054-01.0-NA-P (H231413-23)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	2.03	101	2.00	0.315		
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	1.14		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.09	105	2.00	0.247		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.30	105	6.00	0.815		
Total BTEX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	178	89.2	200	3.27	
DRO >C10-C28*	93.8	10.0	03/29/2023	ND	169	84.6	200	2.95	
EXT DRO >C28-C36	91.6	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 85.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Analytical Results For:

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

Received:	03/28/2023	Sampling Date:	03/23/2023
Reported:	03/31/2023	Sampling Type:	Soil
Project Name:	NM BO ST BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBER - LEA CO NM		

Sample ID: CF-055-01.0-NA-P (H231413-24)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	2.03	101	2.00	0.315		
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	1.14		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.09	105	2.00	0.247		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.30	105	6.00	0.815		
Total BTEX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	178	89.2	200	3.27		
DRO >C10-C28*	79.0	10.0	03/29/2023	ND	169	84.6	200	2.95		
EXT DRO >C28-C36	95.2	10.0	03/29/2023	ND						

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.8 % 49.1-148

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Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-056-01.0-NA-P (H231413-25)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	2.03	101	2.00	0.315		
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	1.14		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.09	105	2.00	0.247		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.30	105	6.00	0.815		
Total BTEX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	178	89.2	200	3.27	
DRO >C10-C28*	99.8	10.0	03/29/2023	ND	169	84.6	200	2.95	
EXT DRO >C28-C36	114	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Analytical Results For:

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

Received: 03/28/2023
 Reported: 03/31/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 03/23/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-057-01.0-NA-P (H231413-26)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2023	ND	2.03	101	2.00	0.315		
Toluene*	<0.050	0.050	03/29/2023	ND	2.06	103	2.00	1.14		
Ethylbenzene*	<0.050	0.050	03/29/2023	ND	2.09	105	2.00	0.247		
Total Xylenes*	<0.150	0.150	03/29/2023	ND	6.30	105	6.00	0.815		
Total BTEX	<0.300	0.300	03/29/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/30/2023	ND	432	108	400	0.00		

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/29/2023	ND	178	89.2	200	3.27	
DRO >C10-C28*	57.4	10.0	03/29/2023	ND	169	84.6	200	2.95	
EXT DRO >C28-C36	58.7	10.0	03/29/2023	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Page 29 of 31



101 East Martland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services				BILL TO				ANALYSIS REQUEST							
Project Manager: Dan Dunkelberg				P.O. #:											
Address: 8428 N Dal Paso				Company:				Cross Timbers LLC							
City: Hobbs				State: NM Zip: 88241				Attn: Kevin Bennett							
Phone #:				Fax #:				Address:							
Project #:				Project Owner: (see below)				City:							
Project Name: NM BO ST Battery				State:				Zip:							
Project Location: LEA CO., NM				Phone #:											
Sample Name: GM				Fax #:											
FOR LAB USE ONLY															
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING			
11		CF-053-00.0-NA-P		C 1		X						Chloride			
12		CF-054-00.0-NA-P		C 1		X						TPH			
13		CF-055-00.0-NA-P		C 1		X						BTEX			
14		CF-056-00.0-NA-P		C 1		X									
15		CF-057-00.0-NA-P		C 1		X									
16		CF-047-01.0-NA-P		C 1		X									
17		CF-048-01.0-NA-P		C 1		X									
18		CF-049-01.0-NA-P		C 1		X									
19		CF-050-01.0-NA-P		C 1		X									
20		CF-051-01.0-NA-P		C 1		X									
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Relinquished By:				Date: 3-28-23				Received By:				Verbal Result:			
				Time: 1:54 PM								All Results are emailed. Please provide Email address:			
Relinquished By:				Date:				Received By:				REMARKS:			
				Time:											
Delivered By: (Circle One)				Observed Temp. °C: 21.4				Sample Condition				CHECKED BY: (Initials)			
				Corrected Temp. °C: 1.8				Cool Impact				Turnaround Time:			
Sampler - UPS - Bus - Other:								Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>			
								Cool <input type="checkbox"/> Intact <input type="checkbox"/>				Bacteria (only) Sample Condition			
								Yes <input type="checkbox"/> No <input type="checkbox"/>				Observed Temp. °C			
												Corrected Temp. °C			

Page 31 of 31



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

June 21, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: NM BO ST BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/14/23 16:00.

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

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

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

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/14/2023	Sampling Date:	06/14/2023
Reported:	06/21/2023	Sampling Type:	Soil
Project Name:	NM BO ST BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBER - LEA CO NM		

Sample ID: CF-001.0-01.0-P (H233068-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.56	128	2.00	2.81	
Toluene*	<0.050	0.050	06/17/2023	ND	2.36	118	2.00	1.97	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.43	122	2.00	2.76	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	7.26	121	6.00	2.75	
Total BTEX	<0.300	0.300	06/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2023	ND	182	91.1	200	0.716	
DRO >C10-C28*	497	10.0	06/16/2023	ND	170	85.0	200	0.163	
EXT DRO >C28-C36	223	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/14/2023
 Reported: 06/21/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-002.0-01.0-P (H233068-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.56	128	2.00	2.81	
Toluene*	<0.050	0.050	06/17/2023	ND	2.36	118	2.00	1.97	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.43	122	2.00	2.76	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	7.26	121	6.00	2.75	
Total BTEx	<0.300	0.300	06/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2023	ND	182	91.1	200	0.716	
DRO >C10-C28*	475	10.0	06/16/2023	ND	170	85.0	200	0.163	
EXT DRO >C28-C36	268	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/14/2023
 Reported: 06/21/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-003.0-01.0-P (H233068-03)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/19/2023	ND	2.56	128	2.00	2.81	
Toluene*	<0.050	0.050	06/19/2023	ND	2.36	118	2.00	1.97	
Ethylbenzene*	<0.050	0.050	06/19/2023	ND	2.43	122	2.00	2.76	
Total Xylenes*	<0.150	0.150	06/19/2023	ND	7.26	121	6.00	2.75	
Total BTEX	<0.300	0.300	06/19/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/15/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2023	ND	182	91.1	200	0.716	
DRO >C10-C28*	78.7	10.0	06/16/2023	ND	170	85.0	200	0.163	
EXT DRO >C28-C36	93.1	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/14/2023
 Reported: 06/21/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-010.0-01.0-P (H233068-04)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.56	128	2.00	2.81	
Toluene*	<0.050	0.050	06/17/2023	ND	2.36	118	2.00	1.97	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.43	122	2.00	2.76	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	7.26	121	6.00	2.75	
Total BTEX	<0.300	0.300	06/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	06/15/2023	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2023	ND	182	91.1	200	0.716	
DRO >C10-C28*	243	10.0	06/16/2023	ND	170	85.0	200	0.163	
EXT DRO >C28-C36	160	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 87.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/14/2023
 Reported: 06/21/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-013.0-01.0-P (H233068-05)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.56	128	2.00	2.81	
Toluene*	<0.050	0.050	06/17/2023	ND	2.36	118	2.00	1.97	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.43	122	2.00	2.76	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	7.26	121	6.00	2.75	
Total BTEX	<0.300	0.300	06/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	06/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2023	ND	182	91.1	200	0.716	
DRO >C10-C28*	1400	10.0	06/16/2023	ND	170	85.0	200	0.163	
EXT DRO >C28-C36	722	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 85.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/14/2023
 Reported: 06/21/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-032.0-01.0-P (H233068-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	06/21/2023	ND	2.56	128	2.00	2.81	
Toluene*	<0.100	0.100	06/21/2023	ND	2.36	118	2.00	1.97	
Ethylbenzene*	<0.100	0.100	06/21/2023	ND	2.43	122	2.00	2.76	
Total Xylenes*	<0.300	0.300	06/21/2023	ND	7.26	121	6.00	2.75	
Total BTEX	<0.600	0.600	06/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 84.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	06/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2023	ND	182	91.1	200	0.716	
DRO >C10-C28*	422	10.0	06/16/2023	ND	170	85.0	200	0.163	
EXT DRO >C28-C36	369	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/14/2023
 Reported: 06/21/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-042.0-00.0-P (H233068-07)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.56	128	2.00	2.81	
Toluene*	<0.050	0.050	06/17/2023	ND	2.36	118	2.00	1.97	
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.43	122	2.00	2.76	
Total Xylenes*	<0.150	0.150	06/17/2023	ND	7.26	121	6.00	2.75	
Total BTEX	<0.300	0.300	06/17/2023	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/15/2023	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/19/2023	ND	182	91.1	200	0.716	
DRO >C10-C28*	<10.0	10.0	06/19/2023	ND	170	85.0	200	0.163	
EXT DRO >C28-C36	<10.0	10.0	06/19/2023	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/14/2023
 Reported: 06/21/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-047.0-01.0-P (H233068-08)

BTEx 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/17/2023	ND	2.37	119	2.00	3.36	QM-07, QR-03
Toluene*	<0.050	0.050	06/17/2023	ND	2.19	110	2.00	4.93	QR-03
Ethylbenzene*	<0.050	0.050	06/17/2023	ND	2.27	113	2.00	5.46	QR-03
Total Xylenes*	<0.150	0.150	06/17/2023	ND	6.77	113	6.00	5.87	QR-03
Total BTEX	<0.300	0.300	06/17/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/15/2023	ND	448	112	400	11.3	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/17/2023	ND	182	91.1	200	0.716	
DRO >C10-C28*	111	10.0	06/17/2023	ND	170	85.0	200	0.163	
EXT DRO >C28-C36	108	10.0	06/17/2023	ND					

Surrogate: 1-Chlorooctane 86.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.8 % 49.1-148

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Analytical Results For:

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

Received: 06/14/2023
 Reported: 06/21/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-048.0-01.0-P (H233068-09)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.37	119	2.00	3.36	
Toluene*	<0.050	0.050	06/21/2023	ND	2.19	110	2.00	4.93	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.27	113	2.00	5.46	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.77	113	6.00	5.87	
Total BTEX	<0.300	0.300	06/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/15/2023	ND	448	112	400	11.3		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2023	ND	190	94.9	200	3.29	
DRO >C10-C28*	43.9	10.0	06/16/2023	ND	208	104	200	4.54	QR-03
EXT DRO >C28-C36	22.4	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/14/2023
 Reported: 06/21/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-049.0-01.0-P (H233068-10)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2023	ND	2.37	119	2.00	3.36	
Toluene*	<0.050	0.050	06/18/2023	ND	2.19	110	2.00	4.93	
Ethylbenzene*	<0.050	0.050	06/18/2023	ND	2.27	113	2.00	5.46	
Total Xylenes*	<0.150	0.150	06/18/2023	ND	6.77	113	6.00	5.87	
Total BTEX	<0.300	0.300	06/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/15/2023	ND	448	112	400	11.3	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2023	ND	190	94.9	200	3.29	
DRO >C10-C28*	144	10.0	06/16/2023	ND	208	104	200	4.54	
EXT DRO >C28-C36	148	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/14/2023
 Reported: 06/21/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-050.0-01.0-P (H233068-11)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2023	ND	2.37	119	2.00	3.36		
Toluene*	<0.050	0.050	06/21/2023	ND	2.19	110	2.00	4.93		
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.27	113	2.00	5.46		
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.77	113	6.00	5.87		
Total BTEX	<0.300	0.300	06/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/15/2023	ND	448	112	400	11.3		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2023	ND	190	94.9	200	3.29	
DRO >C10-C28*	20.5	10.0	06/16/2023	ND	208	104	200	4.54	
EXT DRO >C28-C36	<10.0	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.9 % 49.1-148

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Analytical Results For:

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

Received: 06/14/2023
 Reported: 06/21/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-051.0-01.0-P (H233068-12)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2023	ND	2.37	119	2.00	3.36		
Toluene*	<0.050	0.050	06/21/2023	ND	2.19	110	2.00	4.93		
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.27	113	2.00	5.46		
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.77	113	6.00	5.87		
Total BTX	<0.300	0.300	06/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/15/2023	ND	448	112	400	11.3		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2023	ND	190	94.9	200	3.29	
DRO >C10-C28*	40.8	10.0	06/16/2023	ND	208	104	200	4.54	
EXT DRO >C28-C36	17.1	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/14/2023
 Reported: 06/21/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-052.0-01.0-P (H233068-13)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/21/2023	ND	2.37	119	2.00	3.36	
Toluene*	<0.050	0.050	06/21/2023	ND	2.19	110	2.00	4.93	
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.27	113	2.00	5.46	
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.77	113	6.00	5.87	
Total BTEX	<0.300	0.300	06/21/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 232 % 71.5-134

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/15/2023	ND	448	112	400	11.3	

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2023	ND	190	94.9	200	3.29	
DRO >C10-C28*	51.9	10.0	06/16/2023	ND	208	104	200	4.54	
EXT DRO >C28-C36	27.8	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

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

Received: 06/14/2023
 Reported: 06/21/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-053.0-01.0-P (H233068-14)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04		
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2023	ND	2.37	119	2.00	3.36		
Toluene*	<0.050	0.050	06/21/2023	ND	2.19	110	2.00	4.93		
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.27	113	2.00	5.46		
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.77	113	6.00	5.87		
Total BTEX	<0.300	0.300	06/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 193 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/15/2023	ND	448	112	400	11.3		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2023	ND	190	94.9	200	3.29	
DRO >C10-C28*	33.8	10.0	06/16/2023	ND	208	104	200	4.54	
EXT DRO >C28-C36	12.8	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/14/2023
 Reported: 06/21/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-054.0-01.0-P (H233068-15)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/18/2023	ND	2.37	119	2.00	3.36		
Toluene*	<0.050	0.050	06/18/2023	ND	2.19	110	2.00	4.93		
Ethylbenzene*	<0.050	0.050	06/18/2023	ND	2.27	113	2.00	5.46		
Total Xylenes*	<0.150	0.150	06/18/2023	ND	6.77	113	6.00	5.87		
Total BTEx	<0.300	0.300	06/18/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	06/15/2023	ND	448	112	400	11.3		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2023	ND	190	94.9	200	3.29	
DRO >C10-C28*	87.6	10.0	06/16/2023	ND	208	104	200	4.54	
EXT DRO >C28-C36	45.5	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 82.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/14/2023
 Reported: 06/21/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-055.0-01.0-P (H233068-16)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/21/2023	ND	2.37	119	2.00	3.36		
Toluene*	<0.050	0.050	06/21/2023	ND	2.19	110	2.00	4.93		
Ethylbenzene*	<0.050	0.050	06/21/2023	ND	2.27	113	2.00	5.46		
Total Xylenes*	<0.150	0.150	06/21/2023	ND	6.77	113	6.00	5.87		
Total BTX	<0.300	0.300	06/21/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	06/15/2023	ND	448	112	400	11.3		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2023	ND	190	94.9	200	3.29	
DRO >C10-C28*	41.1	10.0	06/16/2023	ND	208	104	200	4.54	
EXT DRO >C28-C36	23.3	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/14/2023
 Reported: 06/21/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-056.0-01.0-P (H233068-17)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2023	ND	2.37	119	2.00	3.36	
Toluene*	<0.050	0.050	06/18/2023	ND	2.19	110	2.00	4.93	
Ethylbenzene*	<0.050	0.050	06/18/2023	ND	2.27	113	2.00	5.46	
Total Xylenes*	<0.150	0.150	06/18/2023	ND	6.77	113	6.00	5.87	
Total BTEx	<0.300	0.300	06/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/15/2023	ND	448	112	400	11.3		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2023	ND	190	94.9	200	3.29	
DRO >C10-C28*	23.7	10.0	06/16/2023	ND	208	104	200	4.54	
EXT DRO >C28-C36	11.7	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/14/2023
 Reported: 06/21/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/14/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-057.0-01.0-P (H233068-18)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/18/2023	ND	2.37	119	2.00	3.36	
Toluene*	<0.050	0.050	06/18/2023	ND	2.19	110	2.00	4.93	
Ethylbenzene*	<0.050	0.050	06/18/2023	ND	2.27	113	2.00	5.46	
Total Xylenes*	<0.150	0.150	06/18/2023	ND	6.77	113	6.00	5.87	
Total BTEX	<0.300	0.300	06/18/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/15/2023	ND	448	112	400	11.3		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/16/2023	ND	190	94.9	200	3.29	
DRO >C10-C28*	32.8	10.0	06/16/2023	ND	208	104	200	4.54	
EXT DRO >C28-C36	13.2	10.0	06/16/2023	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Page 21 of 22

Page 22 of 22



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

July 06, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: NM BO ST BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 06/30/23 16:20.

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

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

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

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	06/30/2023	Sampling Date:	06/30/2023
Reported:	07/06/2023	Sampling Type:	Soil
Project Name:	NM BO ST BATTERY	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	CROSS TIMBER - LEA CO NM		

Sample ID: CF-001.0-00.5-P (H233397-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2023	ND	2.04	102	2.00	2.08	
Toluene*	<0.050	0.050	07/04/2023	ND	2.17	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	07/04/2023	ND	2.30	115	2.00	3.61	
Total Xylenes*	<0.150	0.150	07/04/2023	ND	6.85	114	6.00	3.70	
Total BTEX	<0.300	0.300	07/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/03/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2023	ND	192	96.2	200	6.47	
DRO >C10-C28*	<10.0	10.0	07/05/2023	ND	192	96.0	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/05/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/06/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-002.0-00.5-P (H233397-02)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2023	ND	2.04	102	2.00	2.08	
Toluene*	<0.050	0.050	07/04/2023	ND	2.17	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	07/04/2023	ND	2.30	115	2.00	3.61	
Total Xylenes*	<0.150	0.150	07/04/2023	ND	6.85	114	6.00	3.70	
Total BTEX	<0.300	0.300	07/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	07/03/2023	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2023	ND	192	96.2	200	6.47	
DRO >C10-C28*	<10.0	10.0	07/05/2023	ND	192	96.0	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/05/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/06/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-003.0-00.5-P (H233397-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/04/2023	ND	2.04	102	2.00	2.08		
Toluene*	<0.050	0.050	07/04/2023	ND	2.17	108	2.00	2.19		
Ethylbenzene*	<0.050	0.050	07/04/2023	ND	2.30	115	2.00	3.61		
Total Xylenes*	<0.150	0.150	07/04/2023	ND	6.85	114	6.00	3.70		
Total BTEX	<0.300	0.300	07/04/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/03/2023	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2023	ND	192	96.2	200	6.47	
DRO >C10-C28*	<10.0	10.0	07/05/2023	ND	192	96.0	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/05/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/06/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-010.0-01.0-P (H233397-04)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2023	ND	2.04	102	2.00	2.08	GC-NC
Toluene*	<0.050	0.050	07/05/2023	ND	2.17	108	2.00	2.19	GC-NC
Ethylbenzene*	<0.050	0.050	07/05/2023	ND	2.30	115	2.00	3.61	GC-NC
Total Xylenes*	<0.150	0.150	07/05/2023	ND	6.85	114	6.00	3.70	
Total BTEX	<0.300	0.300	07/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 724 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/03/2023	ND	432	108	400	3.64	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2023	ND	192	96.2	200	6.47	
DRO >C10-C28*	24.4	10.0	07/05/2023	ND	192	96.0	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/05/2023	ND					

Surrogate: 1-Chlorooctane 98.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/06/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-032.0-01.0-P (H233397-05)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2023	ND	2.04	102	2.00	2.08	GC-NC
Toluene*	<0.050	0.050	07/05/2023	ND	2.17	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	07/05/2023	ND	2.30	115	2.00	3.61	
Total Xylenes*	<0.150	0.150	07/05/2023	ND	6.85	114	6.00	3.70	
Total BTEX	<0.300	0.300	07/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 225 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	07/03/2023	ND	432	108	400	3.64	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2023	ND	192	96.2	200	6.47	
DRO >C10-C28*	22.1	10.0	07/05/2023	ND	192	96.0	200	6.78	
EXT DRO >C28-C36	<10.0	10.0	07/05/2023	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/06/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-047.0-01.5-P (H233397-06)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2023	ND	2.04	102	2.00	2.08	GC-NC
Toluene*	<0.050	0.050	07/05/2023	ND	2.17	108	2.00	2.19	GC-NC
Ethylbenzene*	<0.050	0.050	07/05/2023	ND	2.30	115	2.00	3.61	GC-NC
Total Xylenes*	<0.150	0.150	07/05/2023	ND	6.85	114	6.00	3.70	
Total BTEX	<0.300	0.300	07/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 813 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/03/2023	ND	416	104	400	3.77	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2023	ND	192	96.2	200	6.47	
DRO >C10-C28*	120	10.0	07/05/2023	ND	192	96.0	200	6.78	
EXT DRO >C28-C36	111	10.0	07/05/2023	ND					

Surrogate: 1-Chlorooctane 89.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/06/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-048.0-01.5-P (H233397-07)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2023	ND	2.04	102	2.00	2.08	GC-NC
Toluene*	<0.050	0.050	07/05/2023	ND	2.17	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	07/05/2023	ND	2.30	115	2.00	3.61	
Total Xylenes*	<0.150	0.150	07/05/2023	ND	6.85	114	6.00	3.70	
Total BTEX	<0.300	0.300	07/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 174 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/03/2023	ND	416	104	400	3.77	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2023	ND	211	106	200	3.05	QM-07, QR-03
DRO >C10-C28*	439	10.0	07/05/2023	ND	216	108	200	4.91	QM-07, QR-03
EXT DRO >C28-C36	469	10.0	07/05/2023	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.4 % 49.1-148

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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/06/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-049.0-01.5-P (H233397-08)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2023	ND	2.04	102	2.00	2.08	GC-NC
Toluene*	<0.050	0.050	07/05/2023	ND	2.17	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	07/05/2023	ND	2.30	115	2.00	3.61	
Total Xylenes*	<0.150	0.150	07/05/2023	ND	6.85	114	6.00	3.70	
Total BTEX	<0.300	0.300	07/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 220 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/03/2023	ND	416	104	400	3.77	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2023	ND	211	106	200	3.05	
DRO >C10-C28*	252	10.0	07/05/2023	ND	216	108	200	4.91	
EXT DRO >C28-C36	323	10.0	07/05/2023	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/06/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-042.0-00.5-P (H233397-09)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2023	ND	2.04	102	2.00	2.08	GC-NC
Toluene*	<0.050	0.050	07/05/2023	ND	2.17	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	07/05/2023	ND	2.30	115	2.00	3.61	GC-NC
Total Xylenes*	<0.150	0.150	07/05/2023	ND	6.85	114	6.00	3.70	
Total BTEX	<0.300	0.300	07/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 684 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/03/2023	ND	416	104	400	3.77	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2023	ND	211	106	200	3.05	
DRO >C10-C28*	184	10.0	07/05/2023	ND	216	108	200	4.91	
EXT DRO >C28-C36	160	10.0	07/05/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.8 % 49.1-148

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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/06/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-050.0-01.5-P (H233397-10)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2023	ND	2.04	102	2.00	2.08	GC-NC
Toluene*	<0.050	0.050	07/05/2023	ND	2.17	108	2.00	2.19	GC-NC
Ethylbenzene*	<0.050	0.050	07/05/2023	ND	2.30	115	2.00	3.61	GC-NC
Total Xylenes*	<0.150	0.150	07/05/2023	ND	6.85	114	6.00	3.70	
Total BTEX	<0.300	0.300	07/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 2140 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/03/2023	ND	416	104	400	3.77	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2023	ND	211	106	200	3.05	
DRO >C10-C28*	186	10.0	07/05/2023	ND	216	108	200	4.91	
EXT DRO >C28-C36	220	10.0	07/05/2023	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/06/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-051.0-01.5-P (H233397-11)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2023	ND	2.04	102	2.00	2.08	GC-NC
Toluene*	<0.050	0.050	07/05/2023	ND	2.17	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	07/05/2023	ND	2.30	115	2.00	3.61	
Total Xylenes*	<0.150	0.150	07/05/2023	ND	6.85	114	6.00	3.70	
Total BTEx	<0.300	0.300	07/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 149 % 71.5-134

Chloride, SM4500CI-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	07/03/2023	ND	416	104	400	3.77	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2023	ND	211	106	200	3.05	
DRO >C10-C28*	251	10.0	07/05/2023	ND	216	108	200	4.91	
EXT DRO >C28-C36	217	10.0	07/05/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/06/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-052.0-01.5-P (H233397-12)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2023	ND	2.04	102	2.00	2.08	GC-NC
Toluene*	<0.050	0.050	07/05/2023	ND	2.17	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	07/05/2023	ND	2.30	115	2.00	3.61	
Total Xylenes*	<0.150	0.150	07/05/2023	ND	6.85	114	6.00	3.70	
Total BTEX	<0.300	0.300	07/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 155 % 71.5-134

Chloride, SM4500Cl-B			mg/kg					Analyzed By: AC	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	07/03/2023	ND	416	104	400	3.77	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2023	ND	211	106	200	3.05	
DRO >C10-C28*	78.7	10.0	07/05/2023	ND	216	108	200	4.91	
EXT DRO >C28-C36	95.2	10.0	07/05/2023	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/06/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-053.0-01.5-P (H233397-13)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/04/2023	ND	2.04	102	2.00	2.08	
Toluene*	<0.050	0.050	07/04/2023	ND	2.17	108	2.00	2.19	
Ethylbenzene*	<0.050	0.050	07/04/2023	ND	2.30	115	2.00	3.61	
Total Xylenes*	<0.150	0.150	07/04/2023	ND	6.85	114	6.00	3.70	
Total BTEX	<0.300	0.300	07/04/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2023	ND	211	106	200	3.05	
DRO >C10-C28*	70.7	10.0	07/05/2023	ND	216	108	200	4.91	
EXT DRO >C28-C36	85.1	10.0	07/05/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/06/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-054.0-01.5-P (H233397-14)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/05/2023	ND	2.19	109	2.00	2.39		
Toluene*	<0.050	0.050	07/05/2023	ND	2.15	108	2.00	3.51		
Ethylbenzene*	<0.050	0.050	07/05/2023	ND	2.03	102	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/05/2023	ND	6.31	105	6.00	3.31		
Total BTEX	<0.300	0.300	07/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2023	ND	211	106	200	3.05	
DRO >C10-C28*	88.5	10.0	07/05/2023	ND	216	108	200	4.91	
EXT DRO >C28-C36	109	10.0	07/05/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/06/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-055.0-01.5-P (H233397-15)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/05/2023	ND	2.19	109	2.00	2.39		
Toluene*	<0.050	0.050	07/05/2023	ND	2.15	108	2.00	3.51		
Ethylbenzene*	<0.050	0.050	07/05/2023	ND	2.03	102	2.00	4.23		
Total Xylenes*	<0.150	0.150	07/05/2023	ND	6.31	105	6.00	3.31		
Total BTEX	<0.300	0.300	07/05/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	07/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2023	ND	211	106	200	3.05	
DRO >C10-C28*	86.9	10.0	07/05/2023	ND	216	108	200	4.91	
EXT DRO >C28-C36	113	10.0	07/05/2023	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/06/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-056.0-02.0-P (H233397-16)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2023	ND	2.19	109	2.00	2.39	
Toluene*	<0.050	0.050	07/05/2023	ND	2.15	108	2.00	3.51	
Ethylbenzene*	<0.050	0.050	07/05/2023	ND	2.03	102	2.00	4.23	
Total Xylenes*	<0.150	0.150	07/05/2023	ND	6.31	105	6.00	3.31	
Total BTEx	<0.300	0.300	07/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	07/03/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2023	ND	211	106	200	3.05	
DRO >C10-C28*	67.1	10.0	07/05/2023	ND	216	108	200	4.91	
EXT DRO >C28-C36	98.0	10.0	07/05/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/06/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-057.0-01.5-P (H233397-17)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2023	ND	2.19	109	2.00	2.39	
Toluene*	<0.050	0.050	07/05/2023	ND	2.15	108	2.00	3.51	
Ethylbenzene*	<0.050	0.050	07/05/2023	ND	2.03	102	2.00	4.23	
Total Xylenes*	<0.150	0.150	07/05/2023	ND	6.31	105	6.00	3.31	
Total BTEx	<0.300	0.300	07/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	07/03/2023	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2023	ND	211	106	200	3.05	
DRO >C10-C28*	154	10.0	07/05/2023	ND	216	108	200	4.91	
EXT DRO >C28-C36	182	10.0	07/05/2023	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2023
 Reported: 07/06/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 06/30/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-013.0-01.5-P (H233397-18)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/05/2023	ND	2.19	109	2.00	2.39	
Toluene*	<0.050	0.050	07/05/2023	ND	2.15	108	2.00	3.51	
Ethylbenzene*	<0.050	0.050	07/05/2023	ND	2.03	102	2.00	4.23	
Total Xylenes*	<0.150	0.150	07/05/2023	ND	6.31	105	6.00	3.31	
Total BTEx	<0.300	0.300	07/05/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	07/03/2023	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/05/2023	ND	211	106	200	3.05	
DRO >C10-C28*	126	10.0	07/05/2023	ND	216	108	200	4.91	
EXT DRO >C28-C36	122	10.0	07/05/2023	ND					

Surrogate: 1-Chlorooctane 92.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- GC-NC 8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", written in a cursive style.

Celey D. Keene, Lab Director/Quality Manager

Page 21 of 22

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

August 10, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: NM BO ST BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 08/03/23 16:54.

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 www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-005.0-01.5-P (H234144-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26	
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65	
Total BTEX	<0.300	0.300	08/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	08/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12.0	10.0	08/08/2023	ND	161	80.6	200	5.10	
DRO >C10-C28*	5750	10.0	08/08/2023	ND	169	84.3	200	1.96	
EXT DRO >C28-C36	2050	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 93.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-006.0-02.0-P (H234144-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26	
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65	
Total BTEX	<0.300	0.300	08/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 84.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	161	80.6	200	5.10	
DRO >C10-C28*	1070	10.0	08/08/2023	ND	169	84.3	200	1.96	
EXT DRO >C28-C36	563	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.4 % 49.1-148

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

Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-007.0-01.5-P (H234144-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26		
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35		
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43		
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65		
Total BTEX	<0.300	0.300	08/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	161	80.6	200	5.10	
DRO >C10-C28*	2120	10.0	08/08/2023	ND	169	84.3	200	1.96	
EXT DRO >C28-C36	1040	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-008.0-01.5-P (H234144-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26		
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35		
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43		
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65		
Total BTEx	<0.300	0.300	08/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	161	80.6	200	5.10	
DRO >C10-C28*	2460	10.0	08/08/2023	ND	169	84.3	200	1.96	
EXT DRO >C28-C36	816	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-012.0-02.0-P (H234144-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26		
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35		
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43		
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65		
Total BTEX	<0.300	0.300	08/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	161	80.6	200	5.10	
DRO >C10-C28*	1650	10.0	08/08/2023	ND	169	84.3	200	1.96	
EXT DRO >C28-C36	710	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-014.0-01.5-P (H234144-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26		
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35		
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43		
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65		
Total BTEX	<0.300	0.300	08/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	161	80.6	200	5.10	
DRO >C10-C28*	443	10.0	08/08/2023	ND	169	84.3	200	1.96	
EXT DRO >C28-C36	395	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 82.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-015.0-01.5-P (H234144-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26		
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35		
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43		
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65		
Total BTEX	<0.300	0.300	08/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	161	80.6	200	5.10	
DRO >C10-C28*	861	10.0	08/09/2023	ND	169	84.3	200	1.96	
EXT DRO >C28-C36	426	10.0	08/09/2023	ND					

Surrogate: 1-Chlorooctane 85.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.2 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-016.0-02.0-P (H234144-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26	
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35	
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43	
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65	
Total BTEX	<0.300	0.300	08/10/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	08/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	309	10.0	08/08/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	276	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 87.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-017.0-01.5-P (H234144-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26		
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35		
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43		
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65		
Total BTEx	<0.300	0.300	08/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	485	10.0	08/08/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	281	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 79.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-018.0-01.5-P (H234144-10)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26		
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35		
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43		
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65		
Total BTEX	<0.300	0.300	08/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	08/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	479	10.0	08/08/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	355	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-019.0-01.5-P (H234144-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26		
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35		
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43		
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65		
Total BTEX	<0.300	0.300	08/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	285	10.0	08/08/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	278	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-020.0-01.5-P (H234144-12)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26		
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35		
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43		
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65		
Total BTEX	<0.300	0.300	08/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	194	10.0	08/08/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	237	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-021.0-01.5-P (H234144-13)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26		
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35		
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43		
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65		
Total BTEX	<0.300	0.300	08/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	323	10.0	08/08/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	310	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-022.0-01.5-P (H234144-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26		
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35		
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43		
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65		
Total BTEx	<0.300	0.300	08/10/2023	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	1060	10.0	08/08/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	373	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-023.0-01.5-P (H234144-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26		
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35		
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43		
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65		
Total BTEX	<0.300	0.300	08/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	08/08/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	470	10.0	08/08/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	226	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-024.0-01.5-P (H234144-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26		
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35		
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43		
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65		
Total BTEX	<0.300	0.300	08/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	856	10.0	08/08/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	457	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.9 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-025.0-01.5-P (H234144-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26		
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35		
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43		
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65		
Total BTEX	<0.300	0.300	08/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	920	10.0	08/08/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	549	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-026.0-01.5-P (H234144-18)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26		
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35		
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43		
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65		
Total BTEX	<0.300	0.300	08/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	08/08/2023	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	350	10.0	08/08/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	385	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-027.0-01.5-P (H234144-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26		
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35		
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43		
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65		
Total BTEx	<0.300	0.300	08/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	298	10.0	08/08/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	262	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-028.0-01.5-P (H234144-20)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2023	ND	1.99	99.3	2.00	2.26		
Toluene*	<0.050	0.050	08/10/2023	ND	2.06	103	2.00	4.35		
Ethylbenzene*	<0.050	0.050	08/10/2023	ND	2.09	105	2.00	5.43		
Total Xylenes*	<0.150	0.150	08/10/2023	ND	6.43	107	6.00	5.65		
Total BTEX	<0.300	0.300	08/10/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	247	10.0	08/08/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	292	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-033.0-01.5-P (H234144-21)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2023	ND	2.14	107	2.00	0.356		
Toluene*	<0.050	0.050	08/09/2023	ND	2.04	102	2.00	1.12		
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.92	96.1	2.00	1.51		
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.76	96.1	6.00	2.01		
Total BTEX	<0.300	0.300	08/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	13.7	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-037.0-01.5-P (H234144-22)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2023	ND	2.14	107	2.00	0.356		
Toluene*	<0.050	0.050	08/09/2023	ND	2.04	102	2.00	1.12		
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.92	96.1	2.00	1.51		
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.76	96.1	6.00	2.01		
Total BTEX	<0.300	0.300	08/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-013.0-02.0-P (H234144-23)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	31.6	10.0	08/08/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	48.2	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	83.4 %	48.2-134							
Surrogate: 1-Chlorooctadecane	93.6 %	49.1-148							

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-042.0-01.0-P (H234144-24)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2023	ND	2.14	107	2.00	0.356		
Toluene*	<0.050	0.050	08/09/2023	ND	2.04	102	2.00	1.12		
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.92	96.1	2.00	1.51		
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.76	96.1	6.00	2.01		
Total BTEX	<0.300	0.300	08/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	21.6	10.0	08/08/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	32.8	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-047.0-02.0-P (H234144-25)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	17.4	10.0	08/08/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	23.9	10.0	08/08/2023	ND					
Surrogate: 1-Chlorooctane	88.2 %	48.2-134							
Surrogate: 1-Chlorooctadecane	101 %	49.1-148							

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-048.0-02.0-P (H234144-26)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2023	ND	2.14	107	2.00	0.356		
Toluene*	<0.050	0.050	08/09/2023	ND	2.04	102	2.00	1.12		
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.92	96.1	2.00	1.51		
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.76	96.1	6.00	2.01		
Total BTEX	<0.300	0.300	08/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	21.6	10.0	08/09/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	36.7	10.0	08/09/2023	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-049.0-02.0-P (H234144-27)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	157	78.6	200	4.51	
DRO >C10-C28*	18.9	10.0	08/09/2023	ND	177	88.6	200	0.121	
EXT DRO >C28-C36	27.0	10.0	08/09/2023	ND					
Surrogate: 1-Chlorooctane	83.5 %	48.2-134							
Surrogate: 1-Chlorooctadecane	94.8 %	49.1-148							

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-050.0-02.0-P (H234144-28)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2023	ND	2.14	107	2.00	0.356		
Toluene*	<0.050	0.050	08/09/2023	ND	2.04	102	2.00	1.12		
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.92	96.1	2.00	1.51		
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.76	96.1	6.00	2.01		
Total BTEX	<0.300	0.300	08/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	169	84.3	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	193	96.6	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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

Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-051.0-02.0-P (H234144-29)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.14	107	2.00	0.356	
Toluene*	<0.050	0.050	08/09/2023	ND	2.04	102	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.92	96.1	2.00	1.51	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.76	96.1	6.00	2.01	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	169	84.3	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	193	96.6	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-052.0-02.0-P (H234144-30)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2023	ND	2.14	107	2.00	0.356		
Toluene*	<0.050	0.050	08/09/2023	ND	2.04	102	2.00	1.12		
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.92	96.1	2.00	1.51		
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.76	96.1	6.00	2.01		
Total BTEX	<0.300	0.300	08/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	169	84.3	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	193	96.6	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 99.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-053.0-02.0-P (H234144-31)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.14	107	2.00	0.356	
Toluene*	<0.050	0.050	08/09/2023	ND	2.04	102	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.92	96.1	2.00	1.51	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.76	96.1	6.00	2.01	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	169	84.3	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/08/2023	ND	193	96.6	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-054.0-02.0-P (H234144-32)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2023	ND	2.14	107	2.00	0.356		
Toluene*	<0.050	0.050	08/09/2023	ND	2.04	102	2.00	1.12		
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.92	96.1	2.00	1.51		
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.76	96.1	6.00	2.01		
Total BTEX	<0.300	0.300	08/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/08/2023	ND	169	84.3	200	1.48	
DRO >C10-C28*	932	10.0	08/08/2023	ND	193	96.6	200	1.52	
EXT DRO >C28-C36	319	10.0	08/08/2023	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 149 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-055.0-02.0-P (H234144-33)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.14	107	2.00	0.356	
Toluene*	<0.050	0.050	08/09/2023	ND	2.04	102	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.92	96.1	2.00	1.51	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.76	96.1	6.00	2.01	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	08/08/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	169	84.3	200	1.48	
DRO >C10-C28*	421	10.0	08/09/2023	ND	193	96.6	200	1.52	
EXT DRO >C28-C36	192	10.0	08/09/2023	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CW-001.0-00.5-P (H234144-34)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/09/2023	ND	2.14	107	2.00	0.356		
Toluene*	<0.050	0.050	08/09/2023	ND	2.04	102	2.00	1.12		
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.92	96.1	2.00	1.51		
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.76	96.1	6.00	2.01		
Total BTEX	<0.300	0.300	08/09/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	08/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	169	84.3	200	1.48	
DRO >C10-C28*	15.5	10.0	08/09/2023	ND	193	96.6	200	1.52	
EXT DRO >C28-C36	16.6	10.0	08/09/2023	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CW-002.0-00.5-P (H234144-35)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.14	107	2.00	0.356	
Toluene*	<0.050	0.050	08/09/2023	ND	2.04	102	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.92	96.1	2.00	1.51	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.76	96.1	6.00	2.01	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	169	84.3	200	1.48	
DRO >C10-C28*	14.2	10.0	08/09/2023	ND	193	96.6	200	1.52	
EXT DRO >C28-C36	16.3	10.0	08/09/2023	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CW-003.0-00.5-P (H234144-36)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.14	107	2.00	0.356	
Toluene*	<0.050	0.050	08/09/2023	ND	2.04	102	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.92	96.1	2.00	1.51	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.76	96.1	6.00	2.01	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	169	84.3	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	193	96.6	200	1.52	
EXT DRO >C28-C36	11.0	10.0	08/09/2023	ND					

Surrogate: 1-Chlorooctane 97.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CW-004.0-01.0-P (H234144-37)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.14	107	2.00	0.356	
Toluene*	<0.050	0.050	08/09/2023	ND	2.04	102	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.92	96.1	2.00	1.51	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.76	96.1	6.00	2.01	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	08/08/2023	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	169	84.3	200	1.48	
DRO >C10-C28*	<10.0	10.0	08/09/2023	ND	193	96.6	200	1.52	
EXT DRO >C28-C36	<10.0	10.0	08/09/2023	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/03/2023
 Reported: 08/10/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 08/02/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CW-005.0-01.0-P (H234144-38)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/09/2023	ND	2.14	107	2.00	0.356	
Toluene*	<0.050	0.050	08/09/2023	ND	2.04	102	2.00	1.12	
Ethylbenzene*	<0.050	0.050	08/09/2023	ND	1.92	96.1	2.00	1.51	
Total Xylenes*	<0.150	0.150	08/09/2023	ND	5.76	96.1	6.00	2.01	
Total BTEX	<0.300	0.300	08/09/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/08/2023	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2023	ND	169	84.3	200	1.48	
DRO >C10-C28*	13.6	10.0	08/09/2023	ND	193	96.6	200	1.52	
EXT DRO >C28-C36	17.2	10.0	08/09/2023	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

Page 41 of 44



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services				BILL TO				ANALYSIS REQUEST			
Project Manager: Dan Dunkelberg				P.O. #:							
Address: 8426 N Dal Paso				Company: CROSTIMBER							
City: Hobbs				Attn: Kevin Bennett							
State: NM Zip: 88241				Address:							
Phone #:				City:							
Project #:				State:				Zip:			
Project Name: NM BO STATE BATTERY				Project Owner: (see below)							
Project Location: Lea CO., NM				dan@trinityoilfieldservices.com							
Sampler Name: GM				Phone #:							
Matrix: GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:							
FOR LAB USE ONLY				PRESERV.				SAMPLING			
Lab I.D. H234144				Sample I.D.							
11 CF-019.0-01.5-P				C 1				8/2/2023			
12 CF-020.0-01.5-P				C 1				8/2/2023			
13 CF-021.0-01.5-P				C 1				8/2/2023			
14 CF-022.0-01.5-P				C 1				8/2/2023			
15 CF-023.0-01.5-P				C 1				8/2/2023			
16 CF-024.0-01.5-P				C 1				8/2/2023			
17 CF-025.0-01.5-P				C 1				8/2/2023			
18 CF-026.0-01.5-P				C 1				8/2/2023			
19 CF-027.0-01.5-P				C 1				8/2/2023			
20 CF-028.0-01.5-P				C 1				8/2/2023			
Chloride				X				X			
TPH				X				X			
BTEX				X				X			
Relinquished By: [Signature]				Date: 8-3-23							
Received By: [Signature]				Date: 8-3-23							
Time: 14:54											
Relinquished By: [Signature]				Date: [Blank]							
Received By: [Signature]				Date: [Blank]							
Time: [Blank]											
Delivered By: (Circle One)				Observed Temp. °C -15.0							
Corrected Temp. °C											
Sample - UPS - Bus - Other:				Sample Condition							
Cool Impact				Yes							
No				No							
CHECKED BY: [Signature]				(Initials)							
Turnaround Time:				Standard				X			
Thermometer ID #446				#140							
Correction Factor -0.2°C				T.P. 8/3/23							
Bacteria (only) Sample Condition				Cool				Intact			
Yes				Yes							
No				No							
Observed Temp. °C											
Corrected Temp. °C											

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services

Project Manager: Dan Dunkelberg

Address: 8426 N Dal Paso

City: Hobbs

Phone #:

Project #:

Project Name: NM BO STATE BATTERY

Project Location: Lea CO., NM

Sample Name: GM

P.O. #:

Company: CROSTIMBER

Attn: Kevin Bennett

Address:

City:

State:

Zip:

Phone #:

Fax #:

Relinquished By: *[Signature]*

Date: 8-3-23

Time: 10:54

Relinquished By:

Received By: *[Signature]*

Date:

Time:

Received By:

Delivered By: (Circle One)

Observed Temp. °C: -15.0

Corrected Temp. °C:

Sample Condition: Cool ☒ Intact ☐ Yes ☐ No

Checked By: *[Signature]* (Initials)

Turnaround Time: #140

Standard: ☒ Rush ☐

Bacteria (only) Sample Condition: Cool ☐ Intact ☐ Yes ☐ No

Observed Temp. °C:

Verbal Result: ☐ Yes ☐ No

Add'l Phone #:

REMARKS:

Lab I.D.

Sample I.D.

	(G)RAB OR (C)OMP.	MATRIX						DATE	TIME	Chloride	TPH	BTEX							
		# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE												OTHER :
21	CF-033.0-01.5-P	C	1		X					8/2/2023		X	X	X					
22	CF-037.0-01.5-P	C	1		X					8/2/2023		X	X	X					
23	CF-013.0-02.0-P	C	1		X					8/2/2023			X						
24	CF-042.0-01.0-P	C	1		X					8/2/2023		X	X	X					
25	CF-047.0-02.0-P	C	1		X					8/2/2023			X						
26	CF-048.0-02.0-P	C	1		X					8/2/2023		X	X	X					
27	CF-049.0-02.0-P	C	1		X					8/2/2023			X						
28	CF-050.0-02.0-P	C	1		X					8/2/2023		X	X	X					
29	CF-051.0-02.0-P	C	1		X					8/2/2023		X	X	X					
30	CF-052.0-02.0-P	C	1		X					8/2/2023		X	X	X					

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Correction Factor 4.5 °C

☐ No ☐ No ☐ No ☐ No

Corrected Temp. °C

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services				BILL TO				ANALYSIS REQUEST											
Project Manager: Dan Dunkelberg				P.O. #:															
Address: 8426 N Dal Paso				Company:				CROSSLIMBER											
City: Hobbs				State: NM Zip: 88241				Attn: Kevin Bennett											
Phone #:				Fax #:				Address:											
Project #:				Project Owner: (see below)				City:											
Project Name: NM BO STATE BATTERY				State: Zip:				Phone #:											
Project Location: Lea CO., NM				Phone #:				Fax #:											
Sampler Name: GM				Matrix				PRESERV.				SAMPLING							
FOR LAB USE ONLY																			
Lab I.D. Sample I.D.				(G)RAB OR (C)OMP.				# CONTAINERS											
				GROUNDWATER															
				WASTEWATER															
				SOIL															
				OIL															
				SLUDGE															
				OTHER :															
				ACID/BASE:															
				ICE / COOL															
				OTHER :															
				DATE				TIME											
31 CF-053.0-02.0-P				C 1				X				Chloride							
32 CF-054.0-02.0-P				C 1				X				TPH							
33 CF-055.0-02.0-P				C 1				X				BTEX							
34 CF-056.0-02.0-P				C 1				X											
35 CF-057.0-02.0-P				C 1				X											
36 CF-058.0-02.0-P				C 1				X											
37 CF-059.0-02.0-P				C 1				X											
38 CF-060.0-02.0-P				C 1				X											
39 CF-061.0-02.0-P				C 1				X											
40 CF-062.0-02.0-P				C 1				X											
41 CF-063.0-02.0-P				C 1				X											
42 CF-064.0-02.0-P				C 1				X											
43 CF-065.0-02.0-P				C 1				X											
44 CF-066.0-02.0-P				C 1				X											
45 CF-067.0-02.0-P				C 1				X											
46 CF-068.0-02.0-P				C 1				X											
47 CF-069.0-02.0-P				C 1				X											
48 CF-070.0-02.0-P				C 1				X											
49 CF-071.0-02.0-P				C 1				X											
50 CF-072.0-02.0-P				C 1				X											
51 CF-073.0-02.0-P				C 1				X											
52 CF-074.0-02.0-P				C 1				X											
53 CF-075.0-02.0-P				C 1				X											
54 CF-076.0-02.0-P				C 1				X											
55 CF-077.0-02.0-P				C 1				X											
56 CF-078.0-02.0-P				C 1				X											
57 CF-079.0-02.0-P				C 1				X											
58 CF-080.0-02.0-P				C 1				X											
59 CF-081.0-02.0-P				C 1				X											
60 CF-082.0-02.0-P				C 1				X											
61 CF-083.0-02.0-P				C 1				X											
62 CF-084.0-02.0-P				C 1				X											
63 CF-085.0-02.0-P				C 1				X											
64 CF-086.0-02.0-P				C 1				X											
65 CF-087.0-02.0-P				C 1				X											
66 CF-088.0-02.0-P				C 1				X											
67 CF-089.0-02.0-P				C 1				X											
68 CF-090.0-02.0-P				C 1				X											
69 CF-091.0-02.0-P				C 1				X											
70 CF-092.0-02.0-P				C 1				X											
71 CF-093.0-02.0-P				C 1				X											
72 CF-094.0-02.0-P				C 1				X											
73 CF-095.0-02.0-P				C 1				X											
74 CF-096.0-02.0-P				C 1				X											
75 CF-097.0-02.0-P				C 1				X											
76 CF-098.0-02.0-P				C 1				X											
77 CF-099.0-02.0-P				C 1				X											
78 CF-100.0-02.0-P				C 1				X											
79 CF-101.0-02.0-P				C 1				X											
80 CF-102.0-02.0-P				C 1				X											
81 CF-103.0-02.0-P				C 1				X											
82 CF-104.0-02.0-P				C 1				X											
83 CF-105.0-02.0-P				C 1				X											
84 CF-106.0-02.0-P				C 1				X											
85 CF-107.0-02.0-P				C 1				X											
86 CF-108.0-02.0-P				C 1				X											
87 CF-109.0-02.0-P				C 1				X											
88 CF-110.0-02.0-P				C 1				X											
89 CF-111.0-02.0-P				C 1				X											
90 CF-112.0-02.0-P				C 1				X											
91 CF-113.0-02.0-P				C 1				X											
92 CF-114.0-02.0-P				C 1				X											
93 CF-115.0-02.0-P				C 1				X											
94 CF-116.0-02.0-P				C 1				X											
95 CF-117.0-02.0-P				C 1				X											
96 CF-118.0-02.0-P				C 1				X											
97 CF-119.0-02.0-P				C 1				X											
98 CF-120.0-02.0-P				C 1				X											
99 CF-121.0-02.0-P				C 1				X											
100 CF-122.0-02.0-P				C 1				X											
101 CF-123.0-02.0-P				C 1				X											
102 CF-124.0-02.0-P				C 1				X											
103 CF-125.0-02.0-P				C 1				X											
104 CF-126.0-02.0-P				C 1				X											
105 CF-127.0-02.0-P				C 1				X											
106 CF-128.0-02.0-P				C 1				X											
107 CF-129.0-02.0-P				C 1				X											
108 CF-130.0-02.0-P				C 1				X											
109 CF-131.0-02.0-P				C 1				X											
110 CF-132.0-02.0-P				C 1				X											
111 CF-133.0-02.0-P				C 1				X											
112 CF-134.0-02.0-P				C 1				X											
113 CF-135.0-02.0-P				C 1				X											
114 CF-136.0-02.0-P				C 1				X											
115 CF-137.0-02.0-P				C 1				X											
116 CF-138.0-02.0-P				C 1				X											
117 CF-139.0-02.0-P				C 1				X											
118 CF-140.0-02.0-P				C 1				X											
119 CF-141.0-02.0-P				C 1				X											
120 CF-142.0-02.0-P				C 1				X											
121 CF-143.0-02.0-P				C 1				X											
122 CF-144.0-02.0-P				C 1				X											
123 CF-145.0-02.0-P				C 1				X											
124 CF-146.0-02.0-P				C 1				X											
125 CF-147.0-02.0-P				C 1				X											
126 CF-148.0-02.0-P				C 1				X											
127 CF-149.0-02.0-P				C 1				X											
128 CF-150.0-02.0-P				C 1				X											
129 CF-151.0-02.0-P				C 1				X											
130 CF-152.0-02.0-P				C 1				X											
131 CF-153.0-02.0-P				C 1				X											
132 CF-154.0-02.0-P				C 1				X											
133 CF-155.0-02.0-P				C 1				X											
134 CF-156.0-02.0-P				C 1				X											
135 CF-157.0-02.0-P				C 1				X											
136 CF-158.0-02.0-P				C 1				X											
137 CF-159.0-02.0-P				C 1				X											
138 CF-160.0-02.0-P				C 1				X											
139 CF-161.0-02.0-P				C 1				X											
140 CF-162.0-02.0-P				C 1				X											
141 CF-163.0-02.0-P				C 1				X											
142 CF-164.0-02.0-P				C 1				X											
143 CF-165.0-02.0-P				C 1				X											
144 CF-166.0-02.0-P				C 1				X											
145 CF-167.0-02.0-P				C 1				X											
146 CF-168.0-02.0-P				C 1				X											
147 CF-169.0-02.0-P				C 1				X											
148 CF-170.0-02.0-P				C 1				X											
149 CF-171.0-02.0-P				C 1				X											
150 CF-172.0-02.0-P				C 1				X											
151 CF-173.0-02.0-P				C 1				X											
152 CF-174.0-02.0-P				C 1				X											
153 CF-175.0-02.0-P				C 1				X											
154 CF-176.0-02.0-P				C 1				X											
155 CF-177.0-02.0-P				C 1				X											
156 CF-178.0-02.0-P				C 1				X											
157 CF-179.0-02.0-P				C 1				X											
158 CF-180.0-02.0-P				C 1				X											
159 CF-181.0-02.0-P				C 1				X											
160 CF-182.0-02.0-P				C 1				X											
161 CF-183.0-02.0-P				C 1				X											
162 CF-184.0-02.0-P				C 1				X											
163 CF-185.0-02.0-P				C 1				X											
164 CF-186.0-02.0-P				C 1				X											
165 CF-187.0-02.0-P				C 1				X											
166 CF-188.0-02.0-P				C 1				X											
167 CF-189.0-02.0-P				C 1				X											
168 CF-190.0-02.0-P				C 1				X											
169 CF-191.0-02.0-P				C 1				X											
170 CF-192.0-02.0-P				C 1				X											
171 CF-193.0-02.0-P				C 1				X											
172 CF-194.0-02.0-P				C 1				X											
173 CF-195.0-02.0-P				C 1				X											
174 CF-196.0-02.0-P				C 1				X											
175 CF-197.0-02.0-P				C 1				X											
176 CF-198.0-02.0-P				C 1				X											
177 CF-199.0-02.0-P				C 1				X											
178 CF-200.0-02.0-P				C 1				X											
179 CF-201.0-02.0-P				C 1				X											
180 CF-202.0-02.0-P				C 1				X											
181 CF-203.0-02.0-P				C 1				X											
182 CF-204.0-02.0-P				C 1				X											
183 CF-205.0-02.0-P				C 1				X											
184 CF-206.0-02.0-P				C 1				X											
185 CF-207.0-02.0-P				C 1				X											
186 CF-208.0-02.0-P				C 1				X											
187 CF-209.0-02.0-P				C 1				X											
188 CF-210.0-02.0-P				C 1				X											
189 CF-211.0-02.0-P				C 1				X											
190 CF-212.0-02.0-P				C 1				X											
191 CF-213.0-02.0-P				C 1				X											
192 CF-214.0-02.0-P				C 1				X											
193 CF-215.0-02.0-P				C 1				X											
194 CF-216.0-02.0-P				C 1				X											
195 CF-217.0-02.0-P				C 1				X											
196 CF-218.0-02.0-P				C 1				X											
197 CF-219.0-02.0-P				C 1				X											
198 CF-220.0-02.0-P				C 1				X											
199 CF-221.0-02.0-P				C 1				X											
200 CF-222.0-02.0-P				C 1				X											
201 CF-223.0-02.0-P				C 1				X											
202 CF-224.0-02.0-P				C 1				X											
203 CF-225.0-02.0-P				C 1				X											
204 CF-226.0-02.0-P				C 1				X											
205 CF-227.0-02.0-P				C 1				X											
206 CF-228.0-02.0-P				C 1				X											
207 CF-229.0-02.0-P				C 1				X											
208 CF-230.0-02.0-P				C 1				X											
209 CF-231.0-02.0-P				C 1				X											
210 CF-232.0-02.0-P				C 1				X											
211 CF-233.0-02.0-P				C 1				X											
212 CF-234.0-02.0-P				C 1				X											
213 CF-235.0-02.0-P				C 1				X											
214 CF-236.0-02.0-P				C 1				X											
215 CF-237.0-02.0-P				C 1				X											
216 CF-238.0-02.0-P				C 1				X											
217 CF-239.0-02.0-P				C 1				X											
218 CF-240.0-02.0-P				C 1				X											
219 CF-241.0-02.0-P				C 1				X											
220 CF-242.0-02.0-P				C 1				X											
221 CF-243.0-02.0-P				C 1				X											
222 CF-244.0-02.0-P				C 1				X											
223 CF-245.0-02.0-P				C 1				X											
224 CF-246.0-02.0-P				C 1				X											
225 CF-247.0-02.0-P				C 1				X											
226 CF-248.0-02.0-P				C 1				X											
227 CF-249.0-02.0-P				C 1				X											
228 CF-250.0-02.0-P				C 1				X											
229 CF-251.0-02.0-P				C 1				X											
230 CF-252.0-02.0-P				C 1				X											
231 CF-253.0-02.0-P				C 1				X											
232 CF-254.0-02.0-P				C 1				X											
233 CF-255.0-02.0-P				C 1				X											



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

September 18, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: NM BO ST BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 09/13/23 15:44.

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

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

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

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/13/2023
 Reported: 09/18/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CF-005.0-03.0-P (H234955-01)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	106 %	48.2-134							
Surrogate: 1-Chlorooctadecane	127 %	49.1-148							

Sample ID: CF-006.0-03.0-P (H234955-02)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
<hr/>									
Surrogate: 1-Chlorooctane	103 %	48.2-134							
Surrogate: 1-Chlorooctadecane	120 %	49.1-148							

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Analytical Results For:

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

Received: 09/13/2023
 Reported: 09/18/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CF-007.0-03.0-P (H234955-03)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	80.0	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	101	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

Sample ID: CF-008.0-03.0-P (H234955-04)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	84.7	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	105	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.0 % 49.1-148

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Analytical Results For:

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

Received: 09/13/2023
 Reported: 09/18/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CF-012.0-04.0-P (H234955-05)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	36.8	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	85.9	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	99.0 %	48.2-134							
Surrogate: 1-Chlorooctadecane	116 %	49.1-148							

Sample ID: CF-014.0-04.0-P (H234955-06)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	81.0	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	104	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	98.6 %	48.2-134							
Surrogate: 1-Chlorooctadecane	106 %	49.1-148							

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Analytical Results For:

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

Received: 09/13/2023
 Reported: 09/18/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CF-015.0-04.0-P (H234955-07)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	97.6 %	48.2-134							
Surrogate: 1-Chlorooctadecane	114 %	49.1-148							

Sample ID: CF-016.0-04.0-P (H234955-08)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	98.4 %	48.2-134							
Surrogate: 1-Chlorooctadecane	116 %	49.1-148							

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Analytical Results For:

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

Received: 09/13/2023
 Reported: 09/18/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CF-017.0-04.0-P (H234955-09)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
<hr/>									
Surrogate: 1-Chlorooctane	99.2 %	48.2-134							
Surrogate: 1-Chlorooctadecane	117 %	49.1-148							

Sample ID: CF-018.0-04.0-P (H234955-10)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
<hr/>									
Surrogate: 1-Chlorooctane	91.8 %	48.2-134							
Surrogate: 1-Chlorooctadecane	109 %	49.1-148							

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Analytical Results For:

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

Received: 09/13/2023
 Reported: 09/18/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CF-019.0-04.0-P (H234955-11)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	103 %	48.2-134							
Surrogate: 1-Chlorooctadecane	122 %	49.1-148							

Sample ID: CF-020.0-04.0-P (H234955-12)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	19.5	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	20.4	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	81.7 %	48.2-134							
Surrogate: 1-Chlorooctadecane	97.9 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/13/2023
 Reported: 09/18/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CF-021.0-02.5-P (H234955-13)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	13.8	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	11.5	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	101 %	48.2-134							
Surrogate: 1-Chlorooctadecane	119 %	49.1-148							

Sample ID: CF-022.0-02.5-P (H234955-14)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	78.8 %	48.2-134							
Surrogate: 1-Chlorooctadecane	94.5 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/13/2023
 Reported: 09/18/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CF-023.0-02.5-P (H234955-15)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	11.5	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	10.3	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	82.8 %	48.2-134							
Surrogate: 1-Chlorooctadecane	98.3 %	49.1-148							

Sample ID: CF-024.0-02.5-P (H234955-16)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	21.3	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	20.7	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	105 %	48.2-134							
Surrogate: 1-Chlorooctadecane	126 %	49.1-148							

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Analytical Results For:

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

Received: 09/13/2023
 Reported: 09/18/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CF-025.0-02.5-P (H234955-17)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	64.4 %	48.2-134							
Surrogate: 1-Chlorooctadecane	77.1 %	49.1-148							

Sample ID: CF-026.0-02.5-P (H234955-18)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	76.9 %	48.2-134							
Surrogate: 1-Chlorooctadecane	87.0 %	49.1-148							

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/13/2023
 Reported: 09/18/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CF-027.0-02.5-P (H234955-19)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	204	102	200	2.06	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	91.0 %	48.2-134							
Surrogate: 1-Chlorooctadecane	108 %	49.1-148							

Sample ID: CF-028.0-02.5-P (H234955-20)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/15/2023	ND	204	102	200	2.06	
DRO >C10-C28*	10.5	10.0	09/15/2023	ND	241	120	200	8.15	
EXT DRO >C28-C36	<10.0	10.0	09/15/2023	ND					
Surrogate: 1-Chlorooctane	108 %	48.2-134							
Surrogate: 1-Chlorooctadecane	122 %	49.1-148							

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Analytical Results For:

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

Received: 09/13/2023
 Reported: 09/18/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CF-054.0-02.5-P (H234955-21)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	210	105	200	1.31	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	216	108	200	0.737	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	89.8 %	48.2-134							
Surrogate: 1-Chlorooctadecane	108 %	49.1-148							

Sample ID: CF-055.0-02.5-P (H234955-22)

TPH 8015M	mg/kg	Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	210	105	200	1.31	
DRO >C10-C28*	15.2	10.0	09/14/2023	ND	216	108	200	0.737	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	99.9 %	48.2-134							
Surrogate: 1-Chlorooctadecane	119 %	49.1-148							

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Analytical Results For:

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

Received: 09/13/2023
 Reported: 09/18/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: CF-056.0-03.0-P (H234955-23)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	210	105	200	1.31	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	216	108	200	0.737	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	97.9 %	48.2-134							
Surrogate: 1-Chlorooctadecane	116 %	49.1-148							

Sample ID: CF-057.0-03.0-P (H234955-24)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	210	105	200	1.31	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	216	108	200	0.737	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					
Surrogate: 1-Chlorooctane	95.3 %	48.2-134							
Surrogate: 1-Chlorooctadecane	114 %	49.1-148							

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Analytical Results For:

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

Received: 09/13/2023
 Reported: 09/18/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: DH-001.0-01.0-P (H234955-25)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/15/2023	ND	1.81	90.7	2.00	0.347	
Toluene*	<0.050	0.050	09/15/2023	ND	1.90	95.2	2.00	1.41	
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	1.92	96.1	2.00	0.237	
Total Xylenes*	<0.150	0.150	09/15/2023	ND	5.58	93.0	6.00	0.631	
Total BTEX	<0.300	0.300	09/15/2023	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	09/14/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg	Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	199	99.3	200	0.410	
DRO >C10-C28*	11.1	10.0	09/14/2023	ND	136	68.2	200	40.0	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 09/13/2023
 Reported: 09/18/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: DH-002.0-01.0-P (H234955-26)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2023	ND	1.81	90.7	2.00	0.347		
Toluene*	<0.050	0.050	09/15/2023	ND	1.90	95.2	2.00	1.41		
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	1.92	96.1	2.00	0.237		
Total Xylenes*	<0.150	0.150	09/15/2023	ND	5.58	93.0	6.00	0.631		
Total BTEX	<0.300	0.300	09/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/14/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	199	99.3	200	0.410	
DRO >C10-C28*	73.1	10.0	09/14/2023	ND	136	68.2	200	40.0	
EXT DRO >C28-C36	71.1	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 89.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/13/2023
 Reported: 09/18/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: DH-003.0-01.0-P (H234955-27)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2023	ND	1.81	90.7	2.00	0.347		
Toluene*	<0.050	0.050	09/15/2023	ND	1.90	95.2	2.00	1.41		
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	1.92	96.1	2.00	0.237		
Total Xylenes*	<0.150	0.150	09/15/2023	ND	5.58	93.0	6.00	0.631		
Total BTEX	<0.300	0.300	09/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/14/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	199	99.3	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	136	68.2	200	40.0	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 90.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/13/2023
 Reported: 09/18/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 09/08/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: DH-004.0-01.0-P (H234955-28)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/15/2023	ND	1.81	90.7	2.00	0.347		
Toluene*	<0.050	0.050	09/15/2023	ND	1.90	95.2	2.00	1.41		
Ethylbenzene*	<0.050	0.050	09/15/2023	ND	1.92	96.1	2.00	0.237		
Total Xylenes*	<0.150	0.150	09/15/2023	ND	5.58	93.0	6.00	0.631		
Total BTEX	<0.300	0.300	09/15/2023	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	09/14/2023	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/14/2023	ND	199	99.3	200	0.410	
DRO >C10-C28*	<10.0	10.0	09/14/2023	ND	136	68.2	200	40.0	
EXT DRO >C28-C36	<10.0	10.0	09/14/2023	ND					

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.6 % 49.1-148

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Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

Page 19 of 21

Page 20 of 21



101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services		BILL TO		ANALYSIS REQUEST																																					
Project Manager: Dan Dunkelberg		P.O. #:																																							
Address: 8426 N Dal Paso		Company:																																							
City: Hobbs		Attn: Kevin Bennett																																							
State: NM Zip: 88241		Address:																																							
Phone #:		City:																																							
Project #:		State:																																							
Project Name: NM BO State BTY		Zip:																																							
Project Location:		Phone #:																																							
Sampler Name: JHC		Fax #:																																							
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING																																			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chloride		TPH		BTEX							
21		CF-054.0-02.5-P		C 1		X																				9/8/2023				X											
22		CF-055.0-02.5-P		C 1		X																				9/8/2023				X											
23		CF-056.0-03.0-P		C 1		X																				9/8/2023				X											
24		CF-057.0-03.0-P		C 1		X																				9/8/2023				X											
25		DH-001.0-01.0-P		G 1		X																				9/8/2023				X											
26		DH-002.0-01.0-P		G 1		X																				9/8/2023				X											
27		DH-003.0-01.0-P		G 1		X																				9/8/2023				X											
28		DH-004.0-01.0-P		G 1		X																				9/8/2023				X											
...								
Relinquished By:		Date: 9/13/23		Received By:		Date: 9/13/23		Time: 15:44		Received By: J. Keene		Time: 15:44		REMARKS:																											
Relinquished By:		Date:		Received By:		Date:		Time:		Received By:		Time:		REMARKS:																											
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:		Standard		X		Bacteria (only) Sample Condition		Cool Intact		Observed Temp. °C		Corrected Temp. °C																					
Sample - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact		Yes		Thermometer ID #140		Correction Factor 0 °C		Rush		Cool Intact		Yes		Observed Temp. °C		Corrected Temp. °C																					

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



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

October 20, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: NM BO ST BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 10/17/23 10:21.

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

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

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

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/17/2023
 Reported: 10/20/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 10/13/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Dionica Hinojos

Sample ID: DH-002.1-01.0-P (H235643-01)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	158	79.2	200	2.62	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	180	90.2	200	0.289	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	87.2 %	48.2-134							
Surrogate: 1-Chlorooctadecane	94.3 %	49.1-148							

Sample ID: CF-007.0-04.0-P (H235643-02)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	158	79.2	200	2.62	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	180	90.2	200	0.289	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	89.9 %	48.2-134							
Surrogate: 1-Chlorooctadecane	98.5 %	49.1-148							

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/17/2023
 Reported: 10/20/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 10/13/2023
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Dionica Hinojos

Sample ID: CF-008.0-04.0-P (H235643-03)

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2023	ND	158	79.2	200	2.62	
DRO >C10-C28*	<10.0	10.0	10/18/2023	ND	180	90.2	200	0.289	
EXT DRO >C28-C36	<10.0	10.0	10/18/2023	ND					
Surrogate: 1-Chlorooctane	75.0 %	48.2-134							
Surrogate: 1-Chlorooctadecane	81.0 %	49.1-148							

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

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

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

Celey D. Keene, Lab Director/Quality Manager

Page 5 of 5



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

November 03, 2023

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: NM BO ST BATTERY

Enclosed are the results of analyses for samples received by the laboratory on 11/02/23 8:57.

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

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

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

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/02/2023
 Reported: 11/03/2023
 Project Name: NM BO ST BATTERY
 Project Number: NONE GIVEN
 Project Location: CROSS TIMBER - LEA CO NM

Sampling Date: 11/01/2023
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CF-012.0-04.5-P (H236009-01)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	212	106	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	201	100	200	0.0772	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					
Surrogate: 1-Chlorooctane	93.3 %	48.2-134							
Surrogate: 1-Chlorooctadecane	105 %	49.1-148							

Sample ID: CF-014.0-04.5-P (H236009-02)

TPH 8015M	mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/03/2023	ND	212	106	200	2.50	
DRO >C10-C28*	<10.0	10.0	11/03/2023	ND	201	100	200	0.0772	
EXT DRO >C28-C36	<10.0	10.0	11/03/2023	ND					
Surrogate: 1-Chlorooctane	84.2 %	48.2-134							
Surrogate: 1-Chlorooctadecane	94.6 %	49.1-148							

Cardinal Laboratories

*=Accredited Analyte

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



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

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

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

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

Page 4 of 4



SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 666334

2051

LEASE OPERATOR/SHIPPER/COMPANY:

Cross Timbers

DATE:

3-15-23

LEASE NAME:

Nm Boost Battery

TIME:

AM/PM

RIG NAME & NUMBER:

VEHICLE NO:

228

TRANSPORTER COMPANY:

Park's Trucking

PHONE:

GENERATOR COMPANY MAN'S NAME:

Kevin Bennett

PHONE:

575 513 8150

CHARGE TO:

Cross Timbers

TYPE OF MATERIAL

☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet Out

Description:

on

VOLUME OF MATERIAL

☐ BBLS. _____ :☒ YARD 20 :☐ _____

RRC or API #

C-133#

Nm

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:

Mario Palomino

(SIGNATURE)

FACILITY REPRESENTATIVE:

OR

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 666335
02252

LEASE OPERATOR/SHIPPER/COMPANY: <i>Cross Timbers</i>	DATE: <i>3-15-23</i>
LEASE NAME: <i>Nm Boost Battery</i>	TIME: <i>10:00</i> AM/PM
RIG NAME & NUMBER:	VEHICLE NO: <i>1220</i>
TRANSPORTER COMPANY: <i>Pako's Trucking</i>	PHONE:
GENERATOR COMPANY MAN'S NAME: <i>Kevin Bennett</i>	PHONE: <i>505-513-8150</i>

CHARGE TO: *Cross Timbers***TYPE OF MATERIAL**

☐ Tank Bottoms ☐ Drilling Fluids ☐ Rinsate ☐ BS&W Content:
☐ Solids ☒ Contaminated Soil ☐ _____

Description: *CR***VOLUME OF MATERIAL**

☐ BBLS. _____ : ☒ YARD *20* : ☐ _____

RRC or API #

C-133#
*NM***STICKERS, CODES, NUMBERS, ETC.**

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: *Edgar morales*

(SIGNATURE)

FACILITY REPRESENTATIVE: *OP*

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 666392

2052

LEASE OPERATOR/SHIPPER/COMPANY: <u>Cross Timbers</u>	DATE: <u>3-15-23</u>
LEASE NAME: <u>NM Rost Battery</u>	TIME: <u>3:09 AM/PM</u>
RIG NAME & NUMBER:	VEHICLE NO: <u>223</u>
TRANSPORTER COMPANY: <u>Pakos Trucking</u>	PHONE:
GENERATOR COMPANY MAN'S NAME: <u>Kevin Bennett</u>	PHONE: <u>555-513-8156</u>

CHARGE TO: Cross Timbers

TYPE OF MATERIAL

☐ Tank Bottoms ☐ Drilling Fluids ☐ Rinsate ☐ BS&W Content:
☐ Solids ☒ Contaminated Soil ☐ Jet Out

Description: 00

VOLUME OF MATERIAL

☐ BBLS. _____ : ☒ YARD 20 : ☐ _____

RRC or API #

C-133#

NM

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Mario Palomino

(SIGNATURE)

FACILITY REPRESENTATIVE: OK

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 666393

00253

LEASE OPERATOR/SHIPPER/COMPANY:

Cross Timbers

DATE: 3-15-23

LEASE NAME:

Nm Best Battery

TIME: 3:11 AM/PM

RIG NAME & NUMBER:

VEHICLE NO: 1220

TRANSPORTER COMPANY:

Parks Trucking

PHONE:

GENERATOR COMPANY MAN'S NAME:

Kevin Bennett

PHONE: 505 513 8151

CHARGE TO:

Cross Timbers

TYPE OF MATERIAL

☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☐ Contaminated Soil☐ Jet Out

Description:

00

VOLUME OF MATERIAL

☐ BBLs. _____:☐ YARD 20 _____:☐ _____

RRC or API #

C-133#

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:

Edgar m-103

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231
Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 666477

2053
DATE: 3.16.23
TIME: 10:59 AM/PM
VEHICLE NO: 233

LEASE OPERATOR/SHIPPER/COMPANY:

LEASE NAME:

RIG NAME & NUMBER:

TRANSPORTER COMPANY:

PHONE:

GENERATOR COMPANY MAN'S NAME:

PHONE:

CHARGE TO:

TYPE OF MATERIAL

☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet Out

Description:

VOLUME OF MATERIAL

☐ BBLS. _____ :☒ YARD 20 :☐ _____

RRC or API #

C-133#

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No.

666478

LEASE OPERATOR/SHIPPER/COMPANY: <u>Cross Timbers</u>	DATE: <u>3-16-23</u>
LEASE NAME: <u>Nm Bo St Battery</u>	TIME: <u>11:00</u> AM/PM
RIG NAME & NUMBER:	VEHICLE NO: <u>1220</u>
TRANSPORTER COMPANY: <u>Parker Trucking</u>	PHONE:
GENERATOR COMPANY MAN'S NAME: <u>Kevin Bennett</u>	PHONE: <u>505 538 8151</u>
CHARGE TO: <u>Cross Timbers</u>	

TYPE OF MATERIAL

☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☐ Contaminated Soil☐ Jet OutDescription: 00

VOLUME OF MATERIAL

☐ BBLs. _____:☐ YARD 20:☐ _____

RRC or API #

C-133#

Nm

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976 AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: Edgar Morales

(SIGNATURE)

FACILITY REPRESENTATIVE: AKP

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 666518

LEASE OPERATOR/SHIPPER/COMPANY: Cross Timbers

DATE: 3/16/23

LEASE NAME: Nm Bo St Battery

TIME: 3:15 AM/PM

RIG NAME & NUMBER:

VEHICLE NO: 1000

TRANSPORTER COMPANY: Palcos Trucking

PHONE:

GENERATOR COMPANY MAN'S NAME: Kevin Bennett

PHONE: 575-513-8114

CHARGE TO: Cross Timbers

TYPE OF MATERIAL

☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet Out

Description: OP

VOLUME OF MATERIAL

☐ BBLs. _____☒ YARD 20 _____☐ _____

RRC or API #

C-133#

Nm

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER: Edgar Morales

(SIGNATURE)

FACILITY REPRESENTATIVE: OR

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 666519

LEASE OPERATOR/SHIPPER/COMPANY:

LEASE NAME:

RIG NAME & NUMBER:

TRANSPORTER COMPANY:

GENERATOR COMPANY MAN'S NAME:

CHARGE TO:

DATE:

TIME:

AM/PM

VEHICLE NO:

PHONE:

PHONE:

TYPE OF MATERIAL☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet Out

Description:

VOLUME OF MATERIAL☐ BBLs. _____ :☒ YARD 20 :☐ _____

RRC or API #

C-133#

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



P.O. Box 1737 Eunice, New Mexico 88231
Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 667062

LEASE OPERATOR/SHIPPER/COMPANY: Cross Timbers

DATE: 3-23-23

LEASE NAME: NM bo State battery

TIME: 9:30 AM/PM

RIG NAME & NUMBER:

VEHICLE NO: 1220

TRANSPORTER COMPANY: Trinity oilfield

PHONE:

GENERATOR COMPANY MAN'S NAME: Kevin Bennett

PHONE: 575-555-8156

CHARGE TO: Cross Timbers

TYPE OF MATERIAL

☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet Out

Description:

OD

VOLUME OF MATERIAL

☐ BBLS. _____ :☒ YARD 20 _____ :☐ _____

RRC or API #

C-133#

NM

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 667067

LEASE OPERATOR/SHIPPER/COMPANY: Cross Timbers

DATE: 3-23-22

LEASE NAME: Nm bo state battery

TIME: 10:03 AM

RIG NAME & NUMBER:

VEHICLE NO: 258

TRANSPORTER COMPANY: Trinity Oilfield

PHONE:

GENERATOR COMPANY MAN'S NAME: Kevin Bennett

PHONE: 575-513-8156

CHARGE TO: Cross Timbers

TYPE OF MATERIAL

☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet Out

Description:

OP

VOLUME OF MATERIAL

☐ BBLs. _____:☒ YARD 20☐ _____

RRC or API #

C-133#

NM

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 667068

LEASE OPERATOR/SHIPPER/COMPANY: Cross Timbers	DATE: 3.23.23
LEASE NAME: NM bo state battery	TIME: 10:07 AM/PM
RIG NAME & NUMBER:	VEHICLE NO: 252
TRANSPORTER COMPANY: Trinity oilfield	PHONE:
GENERATOR COMPANY MAN'S NAME: Kevin bennett	PHONE: 575-513-8156
CHARGE TO: Cross Timbers	

TYPE OF MATERIAL

☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet OutDescription: **OP**

VOLUME OF MATERIAL

☐ BBLs. _____ :☒ YARD **20** :☐ _____

RRC or API #

C-133#

NM

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: **[Signature]**

(SIGNATURE)

FACILITY REPRESENTATIVE: **[Signature]**

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 667081

LEASE OPERATOR/SHIPPER/COMPANY:

Cross Timbers

DATE: 3.23.23

LEASE NAME:

Nm Bg state Battery

TIME: 11:23 AM/PM

RIG NAME & NUMBER:

VEHICLE NO: 256

TRANSPORTER COMPANY:

Trinity Oilfield

PHONE:

GENERATOR COMPANY MAN'S NAME:

Kevin Bennett

PHONE:

CHARGE TO:

Cross Timbers

TYPE OF MATERIAL

☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet Out

Description:

OO

VOLUME OF MATERIAL

☐ BBLs. _____ :☒ YARD 20 :☐ _____

RRC or API #

C-133#

NM

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

Francisco Hernandez

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 667099

LEASE OPERATOR/SHIPPER/COMPANY: <u>Cross Timbers</u>	DATE: <u>3-28-23</u>
LEASE NAME: <u>NMBO State battery</u>	TIME: <u>1:10</u> AM/PM <u>(P)</u>
RIG NAME & NUMBER:	VEHICLE NO: <u>258</u>
TRANSPORTER COMPANY: <u>Trinity Oilfield</u>	PHONE:
GENERATOR COMPANY MAN'S NAME: <u>Kevin Bennett</u>	PHONE: <u>505-513-8156</u>

CHARGE TO: Cross Timbers

TYPE OF MATERIAL ☐ Tank Bottoms ☐ Drilling Fluids ☐ Rinsate ☐ BS&W Content:
☐ Solids ☒ Contaminated Soil ☐ Jet Out _____

Description: _____ OD

VOLUME OF MATERIAL ☐ BBLs. _____ : ☒ YARD 20 : ☐ _____

RRC or API #

C-133#

NM

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: _____

(SIGNATURE)

FACILITY REPRESENTATIVE: _____

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 667094

LEASE OPERATOR/SHIPPER/COMPANY: <u>Cross Timbers</u>	DATE: <u>3.23.23</u>
LEASE NAME: <u>NM bo state battery</u>	TIME: <u>1:26</u> AM/PM <u>(P)</u>
RIG NAME & NUMBER:	VEHICLE NO: <u>1230</u>
TRANSPORTER COMPANY: <u>Trinity oilfield</u>	PHONE:
GENERATOR COMPANY MAN'S NAME: <u>Kevin Bennett</u>	PHONE: <u>505-513-8156</u>
CHARGE TO: <u>Cross Timbers</u>	

TYPE OF MATERIAL ☐ Tank Bottoms ☐ Drilling Fluids ☐ Rinsate ☐ BS&W Content:
☐ Solids ☒ Contaminated Soil ☐ Jet Out

Description: OP

VOLUME OF MATERIAL ☐ BBLS. _____ : ☒ YARD 20 : ☐ _____

RRC or API #

C-133#

NM

STICKERS, CODES, NUMBERS, ETC.

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. **667098**

LEASE OPERATOR/SHIPPER/COMPANY: Cross Timbers	DATE: 3.23.23
LEASE NAME: NM ba state battery	TIME: 1:38 AM PM
RIG NAME & NUMBER:	VEHICLE NO: 252
TRANSPORTER COMPANY: Trinity oilfield	PHONE:
GENERATOR COMPANY MAN'S NAME: Kevin Bennett	PHONE: 575 313-8156
CHARGE TO: Cross Timbers	

TYPE OF MATERIAL

[] Tank Bottoms [] Drilling Fluids [] Rinsate [] BS&W Content:
[] Solids ☒ Contaminated Soil [] Jet Out

Description: **OB****VOLUME OF MATERIAL**

[] BBLs. : ☒ YARD **20** : []

RRC or API #

C-133#

NM**STICKERS, CODES, NUMBERS, ETC.**

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: **[Signature]**

(SIGNATURE)

FACILITY REPRESENTATIVE: **ME**

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 667110

LEASE OPERATOR/SHIPPER/COMPANY: Cross Timbers

DATE: 3-23-23

LEASE NAME: NMBO State Battery

TIME: 2:18 AM/PM

RIG NAME & NUMBER:

VEHICLE NO: 256

TRANSPORTER COMPANY: Trinity Oilfield

PHONE:

GENERATOR COMPANY MAN'S NAME: Kevin Bennett

PHONE: 575-513-8156

CHARGE TO: Cross Timbers

TYPE OF MATERIAL

☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet Out

Description: OD

VOLUME OF MATERIAL

☐ BBLs. _____:☒ YARD 20 _____:☐ _____

RRC or API #

C-133#

NM

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: Francisco Hernandez

(SIGNATURE)

FACILITY REPRESENTATIVE: ME

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 667136

LEASE OPERATOR/SHIPPER/COMPANY: <u>Cross Timbers</u>	DATE: <u>3-23-23</u>
LEASE NAME: <u>NM BO ST Battery</u>	TIME: <u>4:30 AM</u> <input checked="" type="radio"/> <u>PM</u>
RIG NAME & NUMBER:	VEHICLE NO: <u>B20</u>
TRANSPORTER COMPANY: <u>Trinity</u>	PHONE:
GENERATOR COMPANY MAN'S NAME: <u>Kevin Bonette</u>	PHONE: <u>575-513-5154</u>

CHARGE TO: Cross Timbers

TYPE OF MATERIAL	<input type="checkbox"/> Tank Bottoms	<input type="checkbox"/> Drilling Fluids	<input type="checkbox"/> Rinsate	<input type="checkbox"/> BS&W Content:
	<input type="checkbox"/> Solids	<input checked="" type="checkbox"/> Contaminated Soil	<input type="checkbox"/> Jet Out	

Description: 00

VOLUME OF MATERIAL	<input type="checkbox"/> BBLs. _____ :	<input checked="" type="checkbox"/> YARD <u>20</u> _____ :	<input type="checkbox"/> _____ :
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RRC or API #

C-133#

NM**STICKERS, CODES, NUMBERS, ETC.**

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

THIS WILL CERTIFY that the above Transporter loaded the material represented by this Transporter Statement at the above described location, and that it was tendered by the above described shipper. This will certify that no additional materials were added to this load, and that the material was delivered without incident.

DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No.

667138

LEASE OPERATOR/SHIPPER/COMPANY:

Cross Timbers

DATE: 3-23-23

LEASE NAME:

NM BOC st Battery

TIME: 4:44 AM (PM)

RIG NAME & NUMBER:

VEHICLE NO: 258

TRANSPORTER COMPANY:

Trinity

PHONE:

GENERATOR COMPANY MAN'S NAME:

Kevin Bennett

PHONE:

575-933-556

CHARGE TO:

Cross Timbers

TYPE OF
MATERIAL☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet Out

Description:

OD

VOLUME OF
MATERIAL☐ BBLs. _____ :☒ YARD 20☐ _____

RRC or API #

C-133#

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 667139

LEASE OPERATOR/SHIPPER/COMPANY: Cross Timbers		DATE: 3-23-23
LEASE NAME: NM Bo st Battery		TIME: 4:46 AM (PM)
RIG NAME & NUMBER:		VEHICLE NO: 252
TRANSPORTER COMPANY: Trinity		PHONE:
GENERATOR COMPANY MAN'S NAME: Kevin Bonnette		PHONE:

CHARGE TO: Cross Timbers

TYPE OF MATERIAL

☐ Tank Bottoms ☐ Drilling Fluids ☐ Rinsate ☐ BS&W Content:
☐ Solids ☒ Contaminated Soil ☐ Jet Out

Description: OD

VOLUME OF MATERIAL

☐ BBLs. : ☒ YARD 20 : ☐ :

RRC or API #

C-133#

N.M.

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: [Signature]

(SIGNATURE)

FACILITY REPRESENTATIVE: [Signature]

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. 667147

LEASE OPERATOR/SHIPPER/COMPANY: <u>Cross Timbers</u>	DATE: <u>3-23-23</u>
LEASE NAME: <u>NM BO state Battery</u>	TIME: <u>5:05</u> AM/PM
RIG NAME & NUMBER:	VEHICLE NO: <u>256</u>
TRANSPORTER COMPANY: <u>Trinity oilfield</u>	PHONE:
GENERATOR COMPANY MAN'S NAME: <u>Kevin Bennett</u>	PHONE:

CHARGE TO: Cross Timbers

TYPE OF MATERIAL ☐ Tank Bottoms ☐ Drilling Fluids ☐ Rinsate ☐ BS&W Content:
☐ Solids ☒ Contaminated Soil ☐ Jet Out _____
Description: _____ OD

VOLUME OF MATERIAL ☐ BBLs. _____ : ☒ YARD 20 : ☐ _____

RRC or API # C-133# NM

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HEREWITH IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: Dick Ors Francis H.
(SIGNATURE)

FACILITY REPRESENTATIVE: ME
(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



P.O. Box 1737 Eunice, New Mexico 88231
Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No.

685133

LEASE OPERATOR/SHIPPER/COMPANY: <i>Cross Timbers</i>	DATE: <i>12-18-23</i>
LEASE NAME: <i>UM BO shale</i>	TIME: <i>3:06</i> AM/PM
RIG NAME & NUMBER:	VEHICLE NO: <i>251</i>
TRANSPORTER COMPANY: <i>Timberly</i>	PHONE:
GENERATOR COMPANY MAN'S NAME: <i>Kevin Bennett</i>	PHONE:

CHARGE TO: *Cross Timbers*

TYPE OF MATERIAL ☐ Tank Bottoms ☐ Drilling Fluids ☐ Rinsate ☐ BS&W Content:
☐ Solids ☒ Contaminated Soil ☐ Jet Out _____

Description: _____

VOLUME OF MATERIAL ☐ BBLs. _____ : ☒ YARD *20* : ☐ _____

RRC or API #

C-133#

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: _____

(SIGNATURE)

FACILITY REPRESENTATIVE: _____

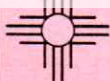
(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Reorder from: Vertigo Creative Services LLC • www.VertigoCreative.com • Form#SDI-004c

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. **685134**

LEASE OPERATOR/SHIPPER/COMPANY:

Cross Timbers

DATE: 12-18-23

LEASE NAME:

NM BO shale

TIME: 3:12 AM/PM

RIG NAME & NUMBER:

VEHICLE NO: 525228

TRANSPORTER COMPANY:

Trinity

PHONE:

GENERATOR COMPANY MAN'S NAME:

Kenn Bennett

PHONE:

CHARGE TO:

Cross Timbers

TYPE OF MATERIAL☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet Out

Description:

SD

VOLUME OF MATERIAL☐ BBLs. _____ :☒ YARD 20 _____ :☐ _____

RRC or API #

C-133#

Nm

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

Mia E.

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No. **685142**LEASE OPERATOR/SHIPPER/COMPANY: **Cross Timbers**DATE: **12-18-23**LEASE NAME: **NM BO slate**TIME: **4:35** AM/PM

RIG NAME & NUMBER:

VEHICLE NO: **52520**TRANSPORTER COMPANY: **Trinity**

PHONE:

GENERATOR COMPANY MAN'S NAME: **Kevin Bennett**

PHONE:

CHARGE TO: **Cross Timbers****TYPE OF MATERIAL**☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☐ Contaminated Soil☐ Jet Out

Description: _____

VOLUME OF MATERIAL☐ BBLs. _____ :☒ YARD **20** :☐ _____ :

RRC or API #

C-133#**STICKERS, CODES, NUMBERS, ETC.**

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: **E. C. [Signature]**

(SIGNATURE)

FACILITY REPRESENTATIVE: **Mar [Signature]**

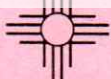
(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Reorder from: Vertigo Creative Services LLC • www.VertigoCreative.com • Form#SDI-004c

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No.

685143

LEASE OPERATOR/SHIPPER/COMPANY:

Cross Timbers

DATE:

12/18/23

LEASE NAME:

NM BO shale

TIME:

4:41 AM/PM

RIG NAME & NUMBER:

VEHICLE NO:

258

TRANSPORTER COMPANY:

Trinity

PHONE:

GENERATOR COMPANY MAN'S NAME:

Kevin Bennett

PHONE:

CHARGE TO:

Cross Timbers

TYPE OF
MATERIAL☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet Out

Description:

JD

VOLUME OF
MATERIAL☐ BBLs.

:

☒ YARD

20

☐ :

:

RRC or API #

C-133#

Nm

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

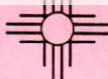
(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Reorder from: Vertigo Creative Services LLC • www.VertigoCreative.com • Form#SDI-004c

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No.**685162**
100-7**LEASE OPERATOR/SHIPPER/COMPANY:**

Cross Timbers

DATE:

12-19-23

LEASE NAME:

NM BO State

TIME:

9:07 AM/PM

RIG NAME & NUMBER:**VEHICLE NO:**

575-220

TRANSPORTER COMPANY:

Trinity

PHONE:**GENERATOR COMPANY MAN'S NAME:**

Kevin Bennett

PHONE:

575-513-8156

CHARGE TO:

Cross Timbers

TYPE OF MATERIAL☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet Out

Description:

OD

VOLUME OF MATERIAL☐ BBLs.

:

☒ YARD

20

:

☐**RRC or API #**

C-133#

Nm

STICKERS, CODES, NUMBERS, ETC.

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET. TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER:

(SIGNATURE)

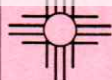
FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No.

12103
685166

LEASE OPERATOR/SHIPPER/COMPANY:

Cross Timbers

DATE:

12-14-23

LEASE NAME:

NM B3 slate Bolt

TIME:

9:39 AM/PM

RIG NAME & NUMBER:

VEHICLE NO:

258

TRANSPORTER COMPANY:

Trinity

PHONE:

GENERATOR COMPANY MAN'S NAME:

Kevin Bennett

PHONE:

CHARGE TO:

*Cross Timbers***TYPE OF MATERIAL**☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☐ Contaminated Soil☐ Jet Out

Description:

*2D***VOLUME OF MATERIAL**☐ BBLs. _____ :☐ YARD *20* _____ :☐ _____

RRC or API #

C-133#

*Nm***STICKERS, CODES, NUMBERS, ETC.**

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DRIVER:

(SIGNATURE)

Diego OF

FACILITY REPRESENTATIVE:

(SIGNATURE)

Mica E.

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No.**685184****LEASE OPERATOR/SHIPPER/COMPANY:****DATE:** 12-19-23**LEASE NAME:****TIME:** 11:41 AM/PM**RIG NAME & NUMBER:****VEHICLE NO:** 020022**TRANSPORTER COMPANY:****PHONE:****GENERATOR COMPANY MAN'S NAME:****PHONE:****CHARGE TO:****TYPE OF MATERIAL**☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☐ Contaminated Soil☐ Jet Out

Description:

VOLUME OF MATERIAL☐ BBLs. _____☒ YARD 20 _____☐ _____**RRC or API #****C-133#****STICKERS, CODES, NUMBERS, ETC.**

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

ALSO AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, TRANSPORTER REPRESENTS AND WARRANTS THAT ONLY THE MATERIAL DELIVERED BY OPERATOR/SHIPPER TO TRANSPORTER IS NOW DELIVERED BY TRANSPORTER TO SUNDANCE SERVICES, INC.'S FACILITY FOR DISPOSAL.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

Reorder from: Vertigo Creative Services LLC • www.VertigoCreative.com • Form#SDI-004c

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No.**685189**

12183

LEASE OPERATOR/SHIPPER/COMPANY: <i>Cross Timbers</i>	DATE: <i>12-14-23</i>
LEASE NAME: <i>NM BO State</i>	TIME: <i>12:38</i> AM/PM
RIG NAME & NUMBER:	VEHICLE NO: <i>258</i>
TRANSPORTER COMPANY: <i>Timothy</i>	PHONE:
GENERATOR COMPANY MAN'S NAME: <i>Kevin Bennett</i>	PHONE:

CHARGE TO:*Cross Timbers***TYPE OF MATERIAL**☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet OutDescription: *SD***VOLUME OF MATERIAL**☐ BBLs. _____ :☒ YARD *20* _____ :☐ _____

RRC or API #

C-133#

*Nm***STICKERS, CODES, NUMBERS, ETC.**

AS A CONDITION TO SUNDANCE SERVICES, INC.'S ACCEPTANCE OF THE MATERIALS SHIPPED WITH THIS JOB TICKET, OPERATOR/SHIPPER REPRESENTS AND WARRANTS THAT THE WASTE MATERIAL SHIPPED HERewith IS MATERIAL EXEMPT FROM THE RESOURCE, CONSERVATION AND RECOVERY ACT OF 1976, AS AMENDED FROM TIME TO TIME, 40 U.S.C. § 6901, et seq., THE NM HEALTH AND SAF. CODE § 361.001 et seq., AND REGULATIONS RELATED THERETO, BY VIRTUE OF THE EXEMPTION AFFORDED DRILLING FLUIDS, PRODUCED WATERS, AND OTHER WASTE ASSOCIATED WITH THE EXPLORATION, DEVELOPMENT OR PRODUCTION OF CRUDE OIL OR NATURAL GAS OR GEOTHERMAL ENERGY.

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DRIVER: *D. Ego Of*

(SIGNATURE)

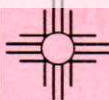
FACILITY REPRESENTATIVE: *Mica E.*

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No.

685190

12133

LEASE OPERATOR/SHIPPER/COMPANY:

Cross Timbers

DATE:

12-19-23

LEASE NAME:

NM B0 31 BgH

TIME:

12:40 AM/PM

RIG NAME & NUMBER:

VEHICLE NO:

57821

TRANSPORTER COMPANY:

Trinity

PHONE:

GENERATOR COMPANY MAN'S NAME:

Kevin Bond

PHONE:

CHARGE TO:

Cross Timbers

TYPE OF
MATERIAL☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet Out

Description:

OD

VOLUME OF
MATERIAL☐ BBLs. _____:☒ YARD 20 _____:☐ _____

RRC or API #

C-133#

Nm

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DRIVER:

(SIGNATURE)

Diana Vero

FACILITY REPRESENTATIVE:

(SIGNATURE)

Mike E.

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter



SUNDANCE SERVICES WEST, INC.

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No.

685191

12184

LEASE OPERATOR/SHIPPER/COMPANY:

Cross Timbers

DATE:

12-19-23

LEASE NAME:

NM BO State Belt

TIME:

12:41 AM/PM

RIG NAME & NUMBER:

VEHICLE NO:

255

TRANSPORTER COMPANY:

Trinity

PHONE:

GENERATOR COMPANY MAN'S NAME:

Kevin Bennett

PHONE:

CHARGE TO:

Cross Timbers

TYPE OF MATERIAL
☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet Out

Description:

SD

VOLUME OF MATERIAL
☐ BBLs. _____ :☒ YARD 20 :☐ _____

RRC or API #

C-133#

Nm

STICKERS, CODES, NUMBERS, ETC.

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DRIVER:

(SIGNATURE)

Hugo Olney

FACILITY REPRESENTATIVE:

(SIGNATURE)

Mia E.

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No.

685210
12067

LEASE OPERATOR/SHIPPER/COMPANY:

Cross Timbers

DATE:

12-19-23

LEASE NAME:

Nm Bo slate

TIME:

2:27 AM/PM

RIG NAME & NUMBER:

VEHICLE NO:

505220

TRANSPORTER COMPANY:

Tunity

PHONE:

GENERATOR COMPANY MAN'S NAME:

Kevin Bennett

PHONE:

CHARGE TO:

Cross Timbers

TYPE OF MATERIAL☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet Out

Description:

OTD

VOLUME OF MATERIAL☐ BBLs. _____ :☒ YARD 20 _____ :☐ _____

RRC or API #

C-133#

Nm

STICKERS, CODES, NUMBERS, ETC.

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No.**685222**
12183**LEASE OPERATOR/SHIPPER/COMPANY:**

Cross Timbers

DATE:

12-19-23

LEASE NAME:

Nm BO slate

TIME:

3:17 AM/PM

RIG NAME & NUMBER:**VEHICLE NO:**

258

TRANSPORTER COMPANY:

Tunity

PHONE:**GENERATOR COMPANY MAN'S NAME:**

Kevin Bennett

PHONE:**CHARGE TO:**

Cross Timbers

TYPE OF MATERIAL☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet Out

Description: _____

VOLUME OF MATERIAL☐ BBLs. _____ :☒ YARD 20 _____ :☐ _____**RRC or API #**

C-133#

Nm

STICKERS, CODES, NUMBERS, ETC.

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DRIVER:

(SIGNATURE)

D. E. 100 JH

FACILITY REPRESENTATIVE:

(SIGNATURE)

Mia E.

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No.**685171****LEASE OPERATOR/SHIPPER/COMPANY:****DATE:****LEASE NAME:****TIME:**

AM/PM

RIG NAME & NUMBER:**VEHICLE NO:****TRANSPORTER COMPANY:****PHONE:****GENERATOR COMPANY MAN'S NAME:****PHONE:****CHARGE TO:****TYPE OF MATERIAL**☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet Out

Description:

VOLUME OF MATERIAL☐ BBLs. _____ :☒ YARD _____ :☐ _____**RRC or API #****C-133#****STICKERS, CODES, NUMBERS, ETC.**

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DRIVER:

(SIGNATURE)

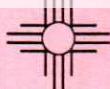
FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

**SUNDANCE SERVICES WEST, INC.**

P.O. Box 1737 Eunice, New Mexico 88231

Business: (575) 394-2511 • Disposal: (575) 390-7842

TICKET No.**685170****LEASE OPERATOR/SHIPPER/COMPANY:****DATE:****LEASE NAME:****TIME:**

AM/PM

RIG NAME & NUMBER:**VEHICLE NO:****TRANSPORTER COMPANY:****PHONE:****GENERATOR COMPANY MAN'S NAME:****PHONE:****CHARGE TO:****TYPE OF MATERIAL**☐ Tank Bottoms☐ Drilling Fluids☐ Rinsate☐ BS&W Content:☐ Solids☒ Contaminated Soil☐ Jet Out

Description:

VOLUME OF MATERIAL☐ BBLs. _____ :☒ YARD _____ :☐ _____**RRC or API #****C-133#****STICKERS, CODES, NUMBERS, ETC.**

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DRIVER:

(SIGNATURE)

FACILITY REPRESENTATIVE:

(SIGNATURE)

White - Sundance

Canary - Sundance Acct #1

Pink - Transporter

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 317558

QUESTIONS

Operator: CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID: 298299
	Action Number: 317558
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nOY1701349940
Incident Name	NOY1701349940 NM BO ST BATTERY @ 30-025-02318
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-02318] NEW MEXICO BO STATE #001

Location of Release Source	
Please answer all the questions in this group.	
Site Name	NM BO ST BATTERY
Date Release Discovered	11/30/2016
Surface Owner	State

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Corrosion Flow Line - Production Crude Oil Released: 70 BBL Recovered: 30 BBL Lost: 40 BBL.
Produced Water Released (bbls) Details	Cause: Corrosion Flow Line - Production Produced Water Released: 10 BBL Recovered: 5 BBL Lost: 5 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

District I

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State of New Mexico
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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 2

Action 317558

QUESTIONS (continued)

Operator: CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID:	298299
	Action Number:	317558
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Dan Dunkelberg Title: Consultant Email: dan@trinityoilfieldservices.com Date: 02/27/2024
--	---

District I

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State of New Mexico
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Oil Conservation Division
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QUESTIONS, Page 3

Action 317558

QUESTIONS (continued)

Operator: CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID: 298299
	Action Number: 317558
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 200 and 300 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1000 (ft.) and ½ (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between ½ and 1 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 200 and 300 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	400
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	627
GRO+DRO	(EPA SW-846 Method 8015M)	432
BTEX	(EPA SW-846 Method 8021B or 8260B)	0.5
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	03/21/2023
On what date will (or did) the final sampling or liner inspection occur	03/21/2023
On what date will (or was) the remediation complete(d)	11/01/2023
What is the estimated surface area (in square feet) that will be reclaimed	11326
What is the estimated volume (in cubic yards) that will be reclaimed	680
What is the estimated surface area (in square feet) that will be remediated	11326
What is the estimated volume (in cubic yards) that will be remediated	680

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

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Oil Conservation Division
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QUESTIONS, Page 4

Action 317558

QUESTIONS (continued)

Operator: CROSS TIMBERS ENERGY, LLC 400 West 7th Street Fort Worth, TX 76102	OGRID: 298299
	Action Number: 317558
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	Sundance Services, Inc [fKJ1600527371]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dan Dunkelberg Title: Consultant Email: dan@trinityoilfieldservices.com Date: 02/27/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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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
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Action 317558

QUESTIONS (continued)

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QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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Action 317558

QUESTIONS (continued)

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	Action Number:	317558
	Action Type:	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	291326
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/08/2023
What was the (estimated) number of samples that were to be gathered	62
What was the sampling surface area in square feet	11326

Remediation Closure Request

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes
What was the total surface area (in square feet) remediated	11326
What was the total volume (cubic yards) remediated	680
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes
What was the total surface area (in square feet) reclaimed	0
What was the total volume (in cubic yards) reclaimed	0
Summarize any additional remediation activities not included by answers (above)	Upon closure request approval, the excavation will be backfilled and reclaimed in accordance with 19.15.29.13 NMAC.

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

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

I hereby agree and sign off to the above statement	Name: Dan Dunkelberg Title: Consultant Email: dan@trinityoilfieldservices.com Date: 02/27/2024
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Action 317558

QUESTIONS (continued)

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QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 317558

CONDITIONS

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CONDITIONS

Created By	Condition	Condition Date
crystal.walker	*Variance & Closure Request approved.	3/7/2024
crystal.walker	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	3/7/2024
crystal.walker	A revegetation report will not be accepted until the release area, including areas reasonably needed for production or drilling activities, are complete. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable. All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information;	3/7/2024
crystal.walker	a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved. OR Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.	3/7/2024