

Incident ID	NAPP2210440709
District RP	
Facility ID	
Application ID	


Closure

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

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

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

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

Printed Name: Connor Walker Title: Sr. Engineer
Signature:  Date: 12/16/2022
email: cwalker@mewbourne.com Telephone: 806-202-5281

OCD Only

Received by: Robert Hamlet Date: 3/31/2023

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

Closure Approved by:  Date: 3/31/2023

Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>25</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

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

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

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

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

State of New Mexico
Oil Conservation Division

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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Remediation Plan


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

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

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

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

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Printed Name: Connor Walker Title: Sr. Engineer
Signature:  Date: 6/30/2022
email: cwalker@mewbourne.com Telephone: 806-202-5281

OCD Only

Received by: Robert Hamlet Date: 11/2/2022

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

Signature:  Date: 11/2/2022

Trinity Oilfield Services & Rentals, LLC



November 10th, 2022

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

Re: **Closure Request**
CWMS Yardbirds 34 W2NC SWD 6 Riser
Tracking #: NAPP2210440709

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

Site Information	
Incident ID	NAPP2210440709
Site Name	CWMS Yardbirds 34 W2NC SWD 6 Riser
Company	Mewbourne Oil Co
County	Eddy
ULSTR	C-03-24S-28E
GPS Coordinates (NAD 83)	32.252732,-104.077369
Landowner	Private

RELEASE BACKGROUND

On 4/14/2022, Mewbourne Oil Co reported a release at the CWMS Yardbirds 34 W2NC SWD 6 Riser. The release was caused when a poly riser failed and split. Approximately 97,600 sqft. of the Pasture was found to be damp upon initial inspection.

Release Information	
Date of Release	4/3/2022
Type of Release	Produced Water
Source of Release	Equipment Failure
Volume Released – Produced Water	1,829 bbls
Volume Recovered – Produced Water	600 bbls
Volume Released – Crude Oil	0 bbls
Volume Recovered – Crude Oil	0 bbls
Affected Area – Damp Soil	Pasture - Approximately 97,600 sqft.
Site Location Map	Figure 1

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

Data Source	Well Number	Data Date	Depth (ft.)
NM OSE	C-01240	10/14/1964	25'
USGS	321536104043701	2/4/2003	25.43
Soil Bore	NA	NA	NA

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

General Site Characterization:

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

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

Closure Criteria:

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

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

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

Delineation Summary	
Delineation Dates	4/12/2022 - 4/20/2022
Depths Sampled	4' - 11'
Delineation Map	Attached
Laboratory Results	Table 1

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

Confirmation Activities:

Remediation Summary	
Remediation Dates	5/31/2022 - 10/20/2022
Workplan Approval	11/2/2022
Confirmation Sample Notification	6/17/2022
Liner Variance Request	None
Deferral Request	None
Depths Excavated	4' - 11'
Area Represented by the required 5-point Confirmation Samples – Floors and Walls	200 sqft.
Total Volume of Excavated Soil	25,304 yards
Remediation Map	Attached
Laboratory Results	Table 2

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

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

SITE RECLAMATION AND RESTORATION

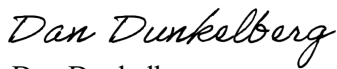
Areas affected by the release and the associated remediation activities were restored to a condition that existed before the release to the extent practicable. The affected area was contoured and/or compacted to provide erosion control, stability, and preservation of surface water flow. Affected areas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

REQUEST FOR CLOSURE

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

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

Sincerely,



Dan Dunkelberg
Project Manager



Confirmation Sample Notification - NAPP2210440709 CWMS YARDBIRDS 34 W2NC SWD 6 RISER

Dan Dunkelberg <dan@trinityoilfieldservices.com>

Fri, Jun 17, 2022 at 12:33 PM

To: OCD.Enviro@state.nm.us

Cc: Josh Halcomb <josh@trinityoilfieldservices.com>, Paul Pinon <paul@trinityoilfieldservices.com>

This is a notification that Trinity Oilfield Services will conduct confirmation sampling on behalf of Mewbourne Oil Co. at the above referenced site on Tuesday, June 21, 2022 at 8:00 a.m.

Dan Dunkelberg
Environmental Professional



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

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

MEWBOURNE OIL COMPANY
CWMS YARDBIRDS 34 W2NC SWD 6 RISER
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2210440709



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500Cl-B
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M,P- XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/kg)	MRO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₆ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Closure Limits					10	NE	NE	NE	NE	NE	50	NE	NE	NE	NE	100	600
Vertical Delineation																	
SP - 1 @ 4'	4'	4/12/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3200
SP - 1 @ 8'	8'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SP - 2 @ 3'	3'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2840
SP - 2 @ 4'	4'	4/12/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP - 3 @ 4'	4'	4/12/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1560
SP - 3 @ 8'	8'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SP - 4 @ 4'	4'	4/12/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2080
SP - 4 @ 6'	6'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
SP - 5 @ 4'	4'	4/14/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1400
SP - 5 @ 6'	6'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SP - 6 @ 4'	4'	4/12/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2600
SP - 6 @ 6'	6'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP - 7 @ 4'	4'	4/14/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1230
SP - 7 @ 10'	10'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
SP - 8 @ 3'	3'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2000
SP - 8 @ 4'	4'	4/12/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP - 9 @ 4'	4'	4/14/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5330
SP - 9 @ 7'	7'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
SP - 10 @ 4'	4'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4960
SP - 10 @ 6'	6'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP - 11 @ 4'	4'	4/14/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5600
SP - 11 @ 6'	6'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP - 12 @ 4'	4'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP - 12 @ 8'	8'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
SP - 13 @ 4'	4'	4/14/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3360
SP - 13 @ 6'	6'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
SP - 14 @ 4'	4'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3680
SP - 14 @ 5'	5'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
SP - 15 @ 4'	4'	4/14/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1600
SP - 15 @ 10'	10'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SP - 16 @ 4'	4'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1960
SP - 16 @ 6'	6'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
SP - 17 @ 3'	3'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1920
SP - 17 @ 4'	4'	4/18/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
SP - 18 @ 4'	4'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	10.4	10.4	<10.0	10.4	6320
SP - 18 @ 8'	8'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SP - 19 @ 4'	4'	4/18/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3320
SP - 19 @ 5'	5'	4/19/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SP - 20 @ 4'	4'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SP - 20 @ 6'	6'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SP - 21 @ 4'	4'	4/18/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	12.0	12.0	<10.0	12.0	1070
SP - 21 @ 10'	10'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	10.4	10.4	<10.0	10.4	192
SP - 22 @ 4'	4'	4/18/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2640
SP - 22 @ 10'	10'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP - 23 @ 4'	4'	4/18/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4320
SP - 23 @ 10'	10'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP - 24 @ 4'	4'	4/18/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6930
SP - 24 @ 10'	10'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SP - 25 @ 4'	4'	4/18/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	45.3	45.3	<10.0	45.3	160
SP - 25 @ 10'	10'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SP - 26 @ 4'	4'	4/18/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6260

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

MEWBOURNE OIL COMPANY
CWMS YARDBIRDS 34 W2NC SWD 6 RISER
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2210440709



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500Cl-B
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M,P- XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/kg)	MRO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₆ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Closure Limits					10	NE	NE	NE	NE	NE	50	NE	NE	NE	NE	100	600
SP - 26 @ 10'	10'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SP - 27 @ 8'	8'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SP - 28 @ 4'	4'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2920
SP - 28 @ 10'	10'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SP - 29 @ 4'	4'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3200
SP - 29 @ 10'	10'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SP - 30 @ 4'	4'	4/13/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4880
SP - 30 @ 8'	8'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP - 31 @ 4'	4'	4/13/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3240
SP - 31 @ 8'	8'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP - 32 @ 4'	4'	4/13/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7730
SP - 32 @ 8'	8'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SP - 33 @ 4'	4'	4/13/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	32.6	32.6	<10.0	32.6	12600
SP - 33 @ 8'	8'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
SP - 34 @ 4'	4'	4/13/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9200
SP - 34 @ 8'	8'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SP - 35 @ 4'	4'	4/13/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	14800
SP - 35 @ 8'	8'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SP - 36 @ 4'	4'	4/13/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3600
SP - 36 @ 8'	8'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SP - 37 @ 4'	4'	4/13/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	13800
SP - 37 @ 8'	8'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SP - 38 @ 4'	4'	4/13/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6660
SP - 38 @ 8'	8'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	8530
SP - 38 @ 11'	11'	4/13/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SP - 39 @ 4'	4'	4/13/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6000
SP - 39 @ 8'	8'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	11000
SP - 39 @ 11'	11'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SP - 40 @ 4'	4'	4/13/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	19200
SP - 40 @ 8'	8'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10600
SP - 40 @ 11'	11'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SP - 41 @ 4'	4'	4/13/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2440
SP - 41 @ 8'	8'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	10800
SP - 41 @ 11'	11'	4/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
Horizontal Delineation																	
SP - 1 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
SP - 1 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP - 1 W @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
SP - 2 N @ 2	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
SP - 3 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
SP - 4 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP - 5 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
SP - 6 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP - 7 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
SP - 8 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP - 9 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
SP - 10 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
SP - 10 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP - 11 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
SP - 11 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
SP - 12 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672
SP - 12 N @ 2'	2'	10/28/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528

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

MEWBOURNE OIL COMPANY
CWMS YARDBIRDS 34 W2NC SWD 6 RISER
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2210440709



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500Cl-B
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M,P- XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/kg)	MRO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₆ (mg/Kg)	CHLORIDE (mg/Kg)
					10	NE	NE	NE	NE	NE	50	NE	NE	NE	NE	100	600
NMOCD Closure Limits																	
SP - 12 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
SP - 13 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
SP - 13 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP - 14 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
SP - 14 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
SP - 15 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
SP - 15 N @ 2'	2'	10/28/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP - 15 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SP - 16 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
SP - 16 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP - 17 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
SP - 17 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
SP - 18 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP - 18 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
SP - 19 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
SP - 19 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
SP - 20 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
SP - 20 E @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP - 20 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
SP - 21 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SP - 21 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP - 22 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
SP - 22 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
SP - 23 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
SP - 23 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
SP - 23 S @ 2'	2'	10/28/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
SP - 24 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP - 24 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SP - 25 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP - 25 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
SP - 26 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
SP - 26 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
SP - 27 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
SP - 27 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
SP - 28 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
SP - 29 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
SP - 30 E @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP - 31 E @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SP - 31 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
SP - 32 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SP - 36 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
SP - 37 S @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
SP - 39 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
SP - 40 N @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SP - 40 W @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
SP - 41 W @ 2'	2'	10/20/2022	Grab	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528

NE = Not established

- = Not analyzed

Concentrations in BOLD exceed the NMOCD Closure Limit

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

MEWBOURNE OIL COMPANY
CWMS YARDBIRDS 34 W2NC SWD 6 RISER
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2210440709



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500Cl-B
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M,P- XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/kg)	MRO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₆ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Closure Limits					10	NE	NE	NE	NE	NE	50	NE	NE	NE	NE	100	600
Remediation Floors																	
PR - 1 @ 11'	11'	5/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
PR - 2 @ 11'	11'	5/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PR - 3 @ 11'	11'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
PR - 4 @ 11'	11'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	21.4	21.4	<10.0	21.4	560
PR - 5 @ 11'	11'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
PR - 6 @ 11'	11'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608
PR - 6 @ 11.5'	11.5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	14.1	14.1	<10.0	14.1	480
PR - 7 @ 11'	11'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	20.4	20.4	12.1	32.5	624
PR - 7 @ 11.5'	11.5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
PR - 8 @ 11'	11'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	26.2	26.2	12.3	38.5	576
PR - 9 @ 11'	11'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	11.6	11.6	<10.0	11.6	576
PR - 10 @ 8'	8'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	15.7	15.7	<10.0	15.7	624
PR - 10 @ 8.5'	8.5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
PR - 11 @ 8'	8'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	683	683	808	1491	704
PR - 11 @ 8.5'	8.5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
PR - 12 @ 8'	8'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	43.6	43.6	33.6	77.2	576
PR - 13 @ 8'	8'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	13.5	13.5	10.2	23.7	640
PR - 13 @ 8.5'	8.5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
PR - 14 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 15 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 16 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
PR - 17 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 18 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
PR - 19 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
PR - 20 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
PR - 21 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
PR - 22 @ 5'	5'	8/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 23 @ 5'	5'	8/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
PR - 24 @ 5'	5'	8/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
PR - 25 @ 5'	5'	8/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
PR - 26 @ 5'	5'	8/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
PR - 27 @ 5'	5'	8/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PR - 28 @ 5'	5'	8/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PR - 29 @ 5'	5'	8/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
PR - 30 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 31 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 32 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 33 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 34 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
PR - 35 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 36 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 37 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 38 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 39 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 40 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 41 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 42 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 43 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 44 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 45 @ 6'	6'	10/14/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PR - 46 @ 5'	5'	8/1/222	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PR - 47 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208



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

MEWBOURNE OIL COMPANY
CWMS YARDBIRDS 34 W2NC SWD 6 RISER
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2210440709

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500Cl-B		
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M,P- XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₂₈ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/kg)	MRO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₆ (mg/Kg)	CHLORIDE (mg/Kg)		
					NMOCD Closure Limits					10	NE	NE	NE	NE	50	NE	NE	NE	NE
PR - 48 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 49 @ 6'	6'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 50 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 51 @ 6'	6'	10/14/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PR - 52 @ 6'	6'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	512
PR - 53 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	169	169	<10.0	169	224	
PR - 53 @ 6'	6'	8/17/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	176
PR - 54 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	272
PR - 55 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 56 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 57 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 58 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	304
PR - 59 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 60 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 61 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 62 @ 5'	5'	8/1/222	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	192
PR - 63 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 64 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 65 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 66 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 67 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 68 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 69 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 70 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 71 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 72 @ 5'	5'	8/3/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 73 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 74 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	51.1	51.1	<10.0	51.1	240	
PR - 75 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 76 @ 6'	6'	10/14/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PR - 77 @ 6'	6'	10/14/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
PR - 78 @ 6'	6'	10/14/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
PR - 79 @ 6'	6'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	512
PR - 80 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	608
PR - 80 @ 7.5'	7.5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	17.8	<27.8	<10.0	<37.8	512	
PR - 81 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	25.3	25.3	16.5	41.8	592	
PR - 82 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	15.3	15.3	<10.0	15.3	576	
PR - 83 @ 8'	8'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	15.4	15.4	10.6	26	624	
PR - 83 @ 8.5'	8.5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 84 @ 8'	8'	06/09/222	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	16.1	16.1	17.9	34	640	
PR - 84 @ 8.5'	8.5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	512
PR - 85 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	11.7	11.7	<10.0	11.7	560	
PR - 86 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	18.5	18.5	<10.0	18.5	576	
PR - 87 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	19.1	19.1	<10.0	19.1	592	
PR - 88 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	21.0	21.0	16.0	37	640	
PR - 88 @ 7.5'	7.5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	512
PR - 89 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	28.2	28.2	20.9	49.1	624	
PR - 89 @ 7.5'	7.5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	544
PR - 90 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	608
PR - 90 @ 7.5'	7.5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 91 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	10.8	10.8	<10.0	10.8	592	
PR - 92 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	608
PR - 92 @ 7.5'	7.5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	11.1	11.1	<10.0	11.1	528	



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

MEWBOURNE OIL COMPANY
CWMS YARDBIRDS 34 W2NC SWD 6 RISER
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2210440709

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500Cl-B		
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M,P- XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/kg)	MRO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₆ (mg/Kg)	CHLORIDE (mg/Kg)		
					NMOCD Closure Limits					10	NE	NE	NE	NE	50	NE	NE	NE	NE
PR - 93 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	560
PR - 94 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	528
PR - 95 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	178	178	<10.0	<10.0	<10.0	640
PR - 95 @ 7.5'	7.5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	544
PR - 96 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 97 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 98 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	560
PR - 99 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 100 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	15.7	15.7	<10.0	15.7	<10.0	608
PR - 100 @ 7.5'	7.5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	384
PR - 101 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	10.5	10.5	<10.0	10.5	<10.0	752
PR - 101 @ 7.5'	7.5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	10.9	10.9	<10.0	10.9	<10.0	544
PR - 102 @ 7'	7'	6/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	656
PR - 102 @ 7.5'	7.5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	528
PR - 103 @ 6'	6'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	464
PR - 104 @ 5'	5'	7/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	432
PR - 105 @ 5'	5'	7/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	400
PR - 106 @ 5'	5'	7/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 107 @ 5'	5'	7/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	400
PR - 108 @ 5'	5'	7/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	464
PR - 109 @ 5'	5'	7/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	416
PR - 110 @ 5'	5'	7/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 111 @ 5'	5'	7/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	336
PR - 112 @ 5'	5'	7/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	752
PR - 112 @ 6'	6'	8/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 113 @ 5'	5'	7/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	384
PR - 114 @ 5'	5'	7/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 115 @ 5'	5'	7/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	432
PR - 116 @ 5'	5'	7/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	528
PR - 117 @ 5'	5'	7/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	608
PR - 117 @ 6'	6'	8/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	272
PR - 118 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 119 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 120 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 121 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 122 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 123 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 124 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 125 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	272
PR - 126 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 127 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	192
PR - 128 @ 5'	5'	7/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	576
PR - 129 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	288
PR - 130 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 131 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 132 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	400
PR - 133 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 134 @ 3'	3'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	304
PR - 135 @ 5'	5'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 136 @ 5'	5'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	448
PR - 137 @ 5'	5'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 138 @ 5'	5'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	400
PR - 139 @ 5'	5'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	240

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

MEWBOURNE OIL COMPANY
CWMS YARDBIRDS 34 W2NC SWD 6 RISER
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2210440709



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500Cl-B	
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M,P- XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/kg)	MRO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₆ (mg/Kg)	CHLORIDE (mg/Kg)	
					NMOCD Closure Limits					10	NE	NE	NE	NE	50	NE	NE	NE
PR - 140 @ 5'	5'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 141 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	272
PR - 142 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 143 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 144 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 145 @ 5'	5'	8/17/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PR - 146 @ 5'	5'	8/17/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	336
PR - 147 @ 5'	5'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	272
PR - 148 @ 5'	5'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	304
PR - 149 @ 5'	5'	8/17/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	272
PR - 150 @ 5'	5'	8/17/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	320
PR - 151 @ 5'	5'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	400
PR - 152 @ 5'	5'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	288
PR - 153 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 154 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	320
PR - 155 @ 5'	5'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	368
PR - 156 @ 5'	5'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	576
PR - 157 @ 6'	6'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	512
PR - 158 @ 5'	5'	7/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 159 @ 5'	5'	7/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	272
PR - 160 @ 5'	5'	7/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 161 @ 5'	5'	7/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 162 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	368
PR - 163 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 164 @ 6'	6'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 165 @ 6'	6'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 166 @ 6'	6'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	96
PR - 167 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 168 @ 5'	5'	7/19/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	288
PR - 169 @ 5'	5'	7/19/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	272
PR - 170 @ 5'	5'	7/19/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 171 @ 5'	5'	7/19/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	384
PR - 172 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 173 @ 6'	6'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	128
PR - 174 @ 6'	6'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PR - 175 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	336
PR - 176 @ 5'	5'	7/19/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 177 @ 5'	5'	7/19/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	288
PR - 178 @ 5'	5'	7/19/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	272
PR - 179 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	368
PR - 180 @ 14'	14'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PR - 181 @ 6'	6'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	128
PR - 182 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	368
PR - 183 @ 6'	6'	7/19/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	272
PR - 184 @ 6'	6'	7/19/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	288
PR - 185 @ 6'	6'	7/19/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	272
PR - 186 @ 6'	6'	7/19/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 187 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	336
PR - 188 @ 6'	6'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PR - 189 @ 8'	8'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PR - 190 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	368
PR - 191 @ 5'	5'	7/18/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PR - 192 @ 5'	5'	7/18/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	144

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

MEWBOURNE OIL COMPANY
CWMS YARDBIRDS 34 W2NC SWD 6 RISER
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2210440709



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500Cl-B	
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M,P- XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/kg)	MRO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₆ (mg/Kg)	CHLORIDE (mg/Kg)	
					NMOCD Closure Limits					10	NE	NE	NE	NE	50	NE	NE	NE
PR - 193 @ 5'	5'	7/18/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	112
PR - 194 @ 6'	6'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	576
PR - 195 @ 8'	8'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	128
PR - 196 @ 6'	6'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	112
PR - 197 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 198 @ 5'	5'	7/18/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	336
PR - 199 @ 5'	5'	7/18/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
PR - 200 @ 5'	5'	7/18/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
PR - 201 @ 5'	5'	7/18/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PR - 202 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	336
PR - 203 @ 6'	6'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	112
PR - 204 @ 8'	8'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PR - 205 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	320
PR - 206 @ 5'	5'	7/18/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PR - 207 @ 5'	5'	7/18/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
PR - 208 @ 5'	5'	7/18/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PR - 209 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	384
PR - 210 @ 6'	6'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PR - 211 @ 8'	8'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	160
PR - 212 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	368
PR - 213 @ 5'	5'	7/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PR - 214 @ 5'	5'	7/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 215 @ 5'	5'	7/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	128
PR - 216 @ 5'	5'	7/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PR - 217 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	336
PR - 218 @ 6'	6'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PR - 219 @ 6'	6'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PR - 220 @ 6'	6'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	512
PR - 221 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	384
PR - 222 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	320
PR - 223 @ 5'	5'	7/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PR - 224 @ 5'	5'	7/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PR - 225 @ 5'	5'	7/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 226 @ 5'	5'	7/14/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 227 @ 5'	5'	7/14/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	192
PR - 228 @ 5'	5'	7/14/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 229 @ 5'	5'	7/14/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	272
PR - 230 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	320
PR - 231 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 232 @ 8'	8'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 233 @ 8'	8'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 234 @ 8'	8'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 235 @ 8'	8'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 236 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PR - 237 @ 5'	5'	9/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PR - 238 @ 5'	5'	7/14/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 239 @ 5'	5'	7/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 240 @ 5'	5'	7/14/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 241 @ 5'	5'	7/14/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 242 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	10.5	10.5	<10.0	10.5	416	
PR - 243 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 244 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PR - 245 @ 8'	8'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	496

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

MEWBOURNE OIL COMPANY
CWMS YARDBIRDS 34 W2NC SWD 6 RISER
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2210440709



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500Cl-B
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M,P- XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/kg)	MRO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₆ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Closure Limits					10	NE	NE	NE	NE	NE	50	NE	NE	NE	NE	100	600
PR - 246 @ 8'	8'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
PR - 247 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PR - 248 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
PR - 249 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
PR - 250 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	11.2	11.2	<10.0	11.2	528
PR - 251 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 252 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
PR - 253 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 254 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PR - 255 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PR - 256 @ 8'	8'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
PR - 257 @ 7'	7'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
PR - 258 @ 7'	7'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
PR - 259 @ 7'	7'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
PR - 260 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PR - 261 @ 6'	6'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
PR - 262 @ 6'	6'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
PR - 263 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
PR - 264 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
PR - 265 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
PR - 266 @ 7'	7'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
PR - 267 @ 7'	7'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
PR - 268 @ 7'	7'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
PR - 269 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PR - 270 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PR - 271 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
PR - 272 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 273 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
PR - 274 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 275 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
PR - 276 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
PR - 277 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PR - 278 @ 7'	7'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 279 @ 7'	7'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
PR - 280 @ 7'	7'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
PR - 281 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PR - 282 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	11.2	11.2	<10.0	11.2	416
PR - 283 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
PR - 284 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 285 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 286 @ 6'	6'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 287 @ 6'	6'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
PR - 288 @ 6'	6'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 289 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
PR - 290 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 291 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 292 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
PR - 293 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
PR - 294 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
PR - 295 @ 6'	6'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
PR - 296 @ 6'	6'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 297 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PR - 298 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496

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

MEWBOURNE OIL COMPANY
CWMS YARDBIRDS 34 W2NC SWD 6 RISER
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2210440709



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500Cl-B	
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M,P- XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/Kg)	MRO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₆ (mg/Kg)	CHLORIDE (mg/Kg)	
					NMOCD Closure Limits					10	NE	NE	NE	NE	50	NE	NE	NE
PR - 299 @ 5'	5'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	432
PR - 300 @ 5'	5'	7/12/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 301 @ 5'	5'	7/12/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	464
PR - 302 @ 5'	5'	7/12/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 303 @ 5'	5'	7/12/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	544
PR - 304 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PR - 305 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PR - 306 @ 6'	6'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 307 @ 6'	6'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 308 @ 6'	6'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 309 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	112
PR - 310 @ 5'	5'	7/12/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	416
PR - 311 @ 5'	5'	7/12/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PR - 312 @ 5'	5'	7/12/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	272
PR - 313 @ 5'	5'	7/12/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	400
PR - 314 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PR - 315 @ 6'	6'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 316 @ 6'	6'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	528
PR - 317 @ 6'	6'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	512
PR - 318 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PR - 319 @ 5'	5'	7/12/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	416
PR - 320 @ 5'	5'	7/12/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 321 @ 5'	5'	7/8/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 322 @ 5'	5'	7/8/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 323 @ 5'	5'	7/8/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	1550
PR - 323 @ 6'	6'	7/13/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	12.8	12.8	<10.0	12.8	<10.0	336
PR - 324 @ 5'	5'	7/8/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 325 @ 5'	5'	7/8/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	192
PR - 326 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PR - 327 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	112
PR - 328 @ 7'	7'	6/23/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	288
PR - 329 @ 7'	7'	6/23/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	400
PR - 330 @ 5'	5'	6/23/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	416
PR - 331 @ 5'	5'	6/23/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	304
PR - 332 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PR - 333 @ 5'	5'	7/7/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 334 @ 5'	5'	7/7/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 335 @ 5'	5'	7/7/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 336 @ 5'	5'	7/7/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 337 @ 5'	5'	7/7/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	192
PR - 338 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PR - 339 @ 5'	5'	6/23/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	400
PR - 340 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	112
PR - 341 @ 5'	5'	7/7/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 342 @ 5'	5'	7/7/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 343 @ 5'	5'	7/7/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 344 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	128
PR - 345 @ 6'	6'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
PR - 346 @ 6'	6'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	512
PR - 347 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
PR - 348 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PR - 349 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
PR - 350 @ 5'	5'	7/7/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	224

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

MEWBOURNE OIL COMPANY
CWMS YARDBIRDS 34 W2NC SWD 6 RISER
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2210440709



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500Cl-B
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M,P- XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/kg)	MRO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₆ (mg/Kg)	CHLORIDE (mg/Kg)
					10	NE	NE	NE	NE	NE	50	NE	NE	NE	NE	100	600
NMOCD Closure Limits					10	NE	NE	NE	NE	NE	50	NE	NE	NE	NE	100	600
PR - 351 @ 5'	5'	7/6/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
PR - 352 @ 5'	5'	7/6/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
PR - 353 @ 5'	5'	7/6/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
PR - 354 @ 5'	5'	7/6/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
PR - 355 @ 5'	5'	7/6/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PR - 356 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PR - 357 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PR - 358 @ 5'	5'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
PR - 359 @ 5'	5'	7/6/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
PR - 360 @ 5'	5'	7/6/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
PR - 361 @ 5'	5'	7/6/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PR - 362 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 363 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 364 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 365 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 366 @ 5'	6'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 367 @ 5'	5'	7/6/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 368 @ 5'	5'	7/6/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 369 @ 5'	5'	7/6/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
PR - 370 @ 5'	5'	7/6/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
PR - 371 @ 5'	5'	7/6/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
PR - 372 @ 5'	5'	7/6/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
PR - 373 @ 6'	6'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 374 @ 6'	6'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 375 @ 5'	5'	7/6/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 376 @ 5'	5'	7/6/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
PR - 377 @ 4'	4'	7/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PR - 378 @ 4'	4'	7/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
PR - 379 @ 4'	4'	7/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
PR - 380 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
PR - 381 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
PR - 382 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 383 @ 5'	5'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 384 @ 5'	5'	7/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
PR - 385 @ 5'	5'	7/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
PR - 386 @ 5'	5'	7/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
PR - 387 @ 5'	5'	8/17/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
PR - 388 @ 4'	4'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
PR - 389 @ 5'	5'	8/17/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
PR - 390 @ 4'	4'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
PR - 391 @ 6'	6'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	13.4	13.4	<10.0	13.4	512
PR - 392 @ 6'	6'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
PR - 393 @ 6'	6'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
PR - 394 @ 6'	6'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
PR - 395 @ 5'	5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
PR - 396 @ 5'	5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	12.4	<22.4	<10.0	<32.4	560
PR - 397 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 398 @ 5'	5'	8/5/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 399 @ 5'	5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
PR - 400 @ 5'	5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 401 @ 6'	6'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 402 @ 6'	6'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
PR - 403 @ 6'	6'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496

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

MEWBOURNE OIL COMPANY
CWMS YARDBIRDS 34 W2NC SWD 6 RISER
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2210440709



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M						SM4500Cl-B
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M,P- XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/kg)	MRO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₆ (mg/Kg)	CHLORIDE (mg/Kg)	
					NMOCD Closure Limits					10	NE	NE	NE	NE	50	NE	NE	NE
PR - 404 @ 4'	4'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 405 @ 4'	4'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	320
PR - 406 @ 4'	4'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 407 @ 5'	5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	576
PR - 408 @ 5'	5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	11.2	11.2	<10.0	11.2	<10.0	416
PR - 409 @ 5'	5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	544
PR - 410 @ 4'	4'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 411 @ 6'	6'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 412 @ 6'	6'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	336
PR - 413 @ 5'	5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	576
PR - 414 @ 5'	5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	528
PR - 415 @ 5.5'	5.5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	528
PR - 416 @ 5.5'	5.5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	448
PR - 417 @ 6'	6'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	320
PR - 418 @ 6'	6'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 419 @ 6'	6'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 420 @ 6'	6'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	336
PR - 421 @ 6'	6'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 422 @ 5'	5'	6/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	112
PR - 423 @ 5'	5'	6/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	672
PR - 423 @ 5.5'	5.5'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PR - 424 @ 6'	6'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	336
PR - 425 @ 6'	6'	6/15/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 426 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	400
PR - 427 @ 5'	5'	6/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	640
PR - 427 @ 5.5'	5.5'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PR - 428 @ 5'	5'	6/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	624
PR - 428 @ 5.5'	5.5'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	160
PR - 429 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 430 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	496
PR - 431 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	336
PR - 432 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	384
PR - 433 @ 5'	5'	6/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	640
PR - 433 @ 5.5'	5.5'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
PR - 434 @ 5'	5'	6/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	752
PR - 434 @ 5.5'	5.5'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
PR - 435 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	336
PR - 436 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	336
PR - 437 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	26.5	26.5	<10.0	26.5	<10.0	384
PR - 438 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	384
PR - 439 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	368
PR - 440 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	336
PR - 441 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	416
PR - 442 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	384
PR - 443 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 444 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	336
PR - 445 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	400
PR - 446 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	400
PR - 447 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	320
PR - 448 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 449 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	336
PR - 450 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	320
PR - 451 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	352

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

MEWBOURNE OIL COMPANY
CWMS YARDBIRDS 34 W2NC SWD 6 RISER
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2210440709



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500Cl-B
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M,P- XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/kg)	MRO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₆ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Closure Limits					10	NE	NE	NE	NE	NE	50	NE	NE	NE	NE	100	600
PR - 452 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
PR - 453 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
PR - 454 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
PR - 455 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
PR - 456 @ 6'	6'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
PR - 457 @ 4'	4'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
PR - 458 @ 4'	4'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
PR - 459 @ 4'	4'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 460 @ 6'	6'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 461 @ 5'	5'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
PR - 462 @ 6'	6'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
PR - 463 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 464 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 465 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
PR - 466 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 467 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 468 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
PR - 469 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
PR - 470 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 471 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	528
PR - 472 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 473 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 474 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
PR - 475 @ 5'	5'	8/9/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
PR - 476 @ 6'	6'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
PR - 477 @ 2'	2'	8/17/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
PR - 478 @ 2'	2'	8/17/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
Remediation Walls																	
WALL - 1 E @ 5'	5'	5/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
WALL - 2 E @ 5'	5'	5/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
WALL - 3 S @ 4'	4'	5/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
WALL - 4 S @ 4'	4'	5/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
WALL - 5 S @ 4'	4'	5/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
WALL - 6 S @ 4'	4'	5/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
WALL - 7 S @ 4'	4'	5/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
WALL - 8 W @ 4'	4'	5/31/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
WALL - 9 E @ 5'	5'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
WALL - 10 W @ 5'	5'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
WALL - 11 S @ 5'	5'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
WALL - 12 N @ 5'	5'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
WALL - 13 W @ 3'	3'	7/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
WALL - 14 W @ 3'	3'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
WALL - 15 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
WALL - 16 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
WALL - 17 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
WALL - 18 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
WALL - 19 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
WALL - 20 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
WALL - 21 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
WALL - 22 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
WALL - 23 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
WALL - 24 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
WALL - 25 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0

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

MEWBOURNE OIL COMPANY
CWMS YARDBIRDS 34 W2NC SWD 6 RISER
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2210440709



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500Cl-B	
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL- BENZENE (mg/Kg)	M,P- XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/kg)	MRO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₆ (mg/Kg)	CHLORIDE (mg/Kg)	
					NMOCD Closure Limits					10	NE	NE	NE	NE	50	NE	NE	NE
WALL - 26 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
WALL - 27 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
WALL - 28 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
WALL - 29 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
WALL - 30 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
WALL - 31 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	176
WALL - 32 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
WALL - 33 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
WALL - 34 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
WALL - 35 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
WALL - 36 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
WALL - 37 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
WALL - 38 @ 3'	3'	10/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	112
WALL - 39 @ 3'	3'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
WALL - 40 @ 3'	3'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	544
WALL - 41 @ 3'	3'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	432
WALL - 42 @ 3'	3'	10/20/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	480
WALL - 43 S @ 2'	2'	7/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	288
WALL - 44 S @ 2'	2'	7/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	288
WALL - 45 W @ 2'	2'	8/17/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	320
WALL - 46 W @ 2'	2'	8/17/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	176
WALL - 47 W @ 2'	2'	8/17/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	320
WALL - 48 N @ 3'	3'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	112
WALL - 49 N @ 3'	3'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	128
WALL - 50 N @ 3'	3'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	144
WALL - 51 N @ 3'	3'	6/16/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	128
WALL - 52 N @ 3'	3'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
WALL - 53 N @ 3'	3'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
WALL - 54 N @ 3'	3'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
WALL - 55 N @ 3'	3'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
WALL - 56 N @ 3'	3'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
WALL - 57 N @ 3'	3'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
WALL - 58 N @ 3'	3'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
WALL - 59 N @ 3'	3'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
WALL - 60 N @ 3'	3'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
WALL - 61 N @ 3'	3'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
WALL - 62 N @ 3'	3'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
WALL - 63 N @ 3'	3'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
WALL - 64 N @ 3'	3'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
WALL - 65 E @ 3'	3'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
WALL - 66 S @ 3'	3'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
WALL - 67 S @ 3'	3'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
WALL - 68 S @ 3'	3'	6/21/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
WALL - 69 E @ 3'	3'	6/23/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
WALL - 70 S @ 3'	3'	6/23/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
WALL - 71 S @ 3'	3'	6/23/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
WALL - 72 S @ 3'	3'	6/23/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
WALL - 73 N @ 3'	3'	6/23/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
WALL - 74 N @ 3'	3'	6/23/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
WALL - 75 N @ 4'	4'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
WALL - 76 N @ 4'	4'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
WALL - 77 N @ 4'	4'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
WALL - 78 N @ 4'	4'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<10.0	32.0

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

MEWBOURNE OIL COMPANY
CWMS YARDBIRDS 34 W2NC SWD 6 RISER
EDDY COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2210440709



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500Cl-B
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₀ (mg/Kg)	DRO C ₁₀ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/Kg)	MRO C ₂₈ -C ₃₆ (mg/Kg)	TPH C ₆ -C ₃₆ (mg/Kg)	CHLORIDE (mg/Kg)
					10	NE	NE	NE	NE	NE	50	NE	NE	NE	NE	100	600
NMOCD Closure Limits					10	NE	NE	NE	NE	NE	50	NE	NE	NE	NE	100	600
WALL - 79 N @ 4'	4'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
WALL - 80 N @ 4'	4'	6/27/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
WALL - 81 N @ 4'	4'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
WALL - 82 N @ 4'	4'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
WALL - 83 N @ 4'	4'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
WALL - 84 N @ 4'	4'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
WALL - 85 N @ 4'	4'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
WALL - 86 N @ 4'	4'	6/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
WALL - 87 N @ 4'	4'	7/1/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
WALL - 88 E @ 3'	3'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
WALL - 89 E @ 3'	3'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
WALL - 90 N @ 3'	3'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
WALL - 91 N @ 3'	3'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
WALL - 92 N @ 3'	3'	8/10/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
WALL - 93 E @ 3'	3'	7/28/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
WALL - 94 E @ 3'	3'	7/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464

NE = Not established

- = Not analyzed

Concentrations in BOLD exceed the NMOCD Closure Limit



Legend:

- Sample Point
- Release

Delineation Map
Mewbourne Oil Co.
CWMS Yardbirds 34 W2NC SWD 6 Riser
Eddy County, New Mexico
32.252732,-104.077369
NMOCD Reference # NAPP2210440709





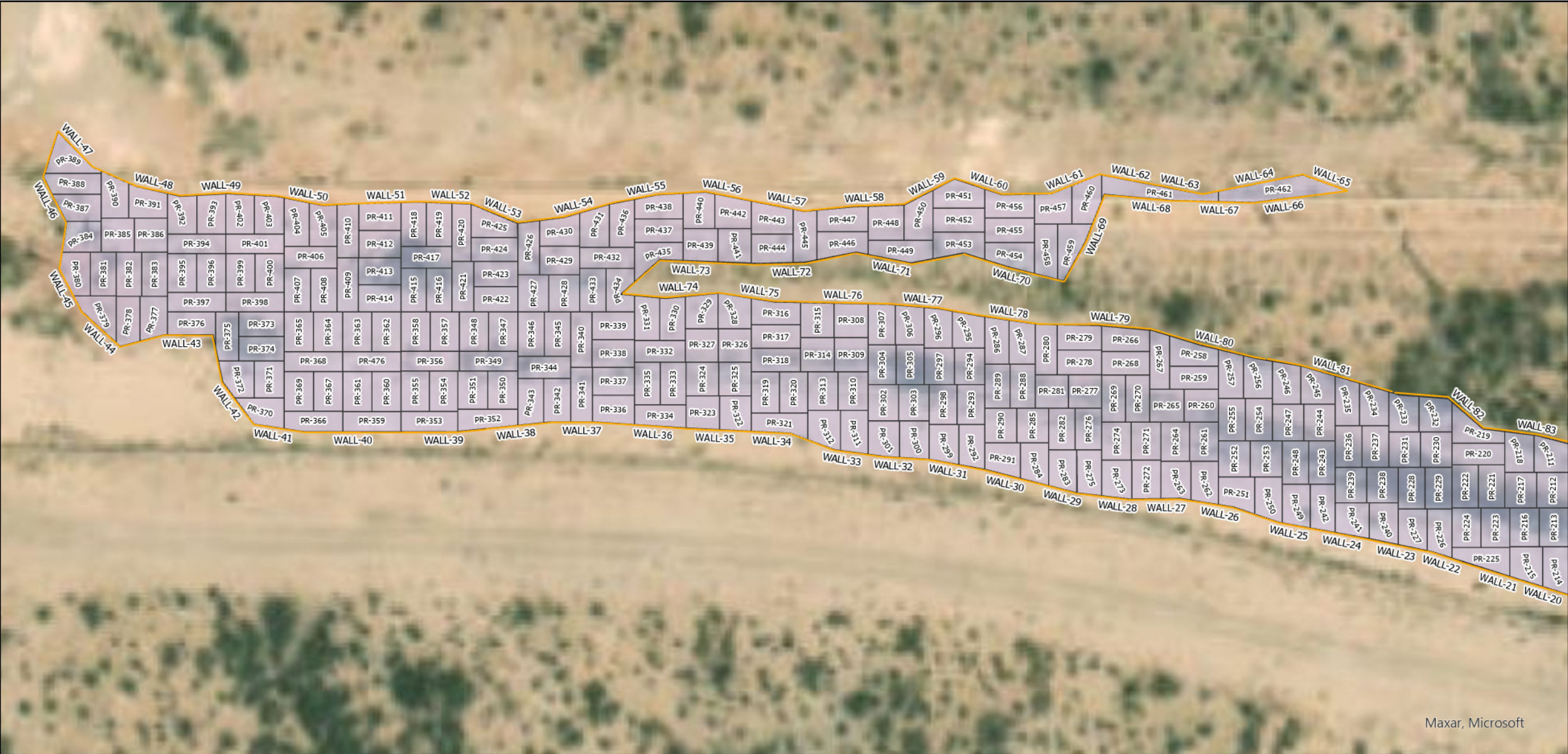
Maxar, Microsoft

Legend:

- Remediation Walls
- Remediation Floors
- Release

Remediation Map
Mewbourne Oil Co.
CWMS Yardbirds 34 W2NC SWD 6 Riser
Eddy County, New Mexico
32.252732,-104.077369
NMOCD Reference # NAPP2210440709





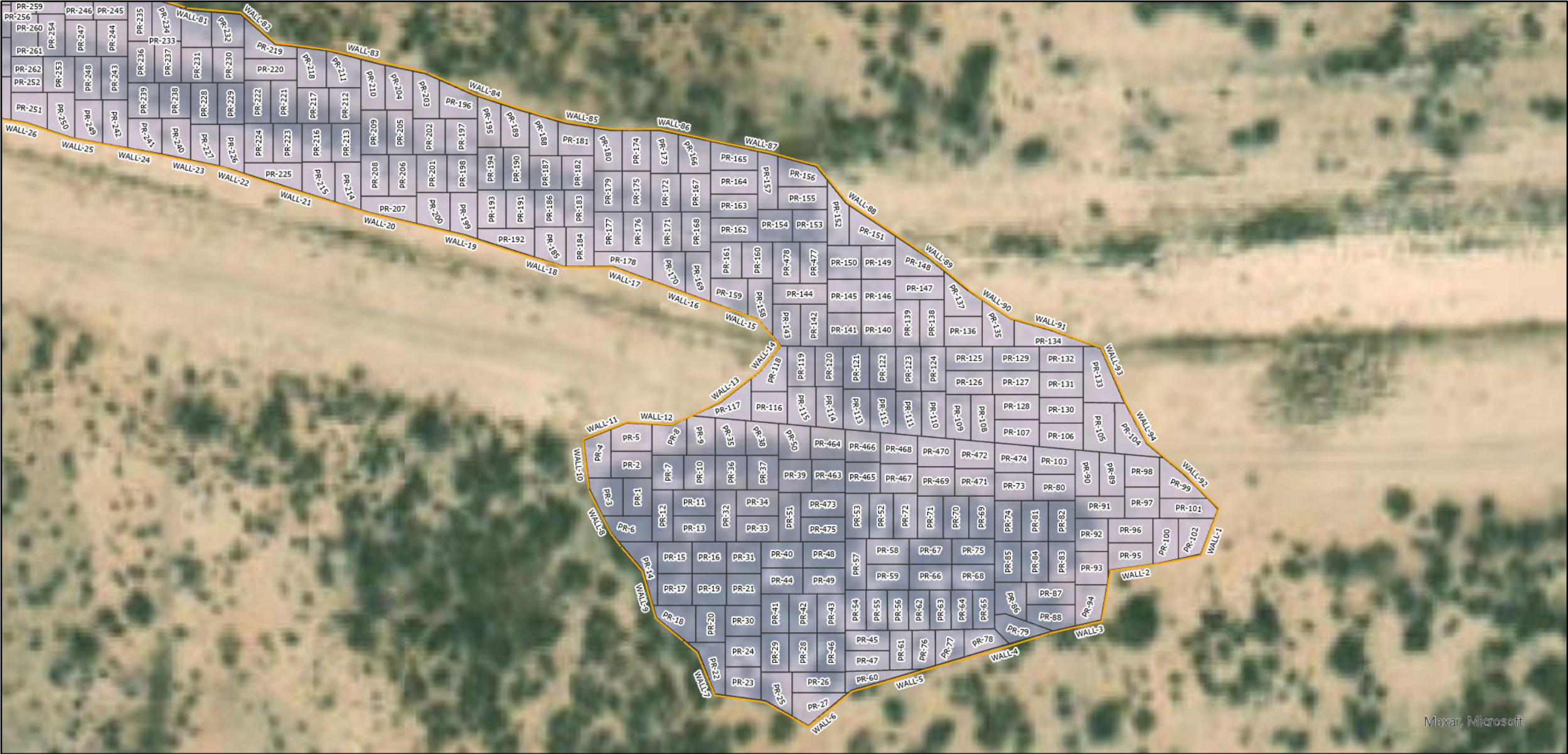
Maxar, Microsoft

Legend:

- Remediation Walls
- Remediation Floors
- Release

Remediation Map
Mewbourne Oil Co.
CWMS Yardbirds 34 W2NC SWD 6 Riser
Eddy County, New Mexico
32.252732,-104.077369
NMOCD Reference # NAPP2210440709



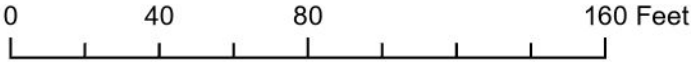


Maxar, Microsoft

Legend:

- Remediation Walls
- Remediation Floors
- Release

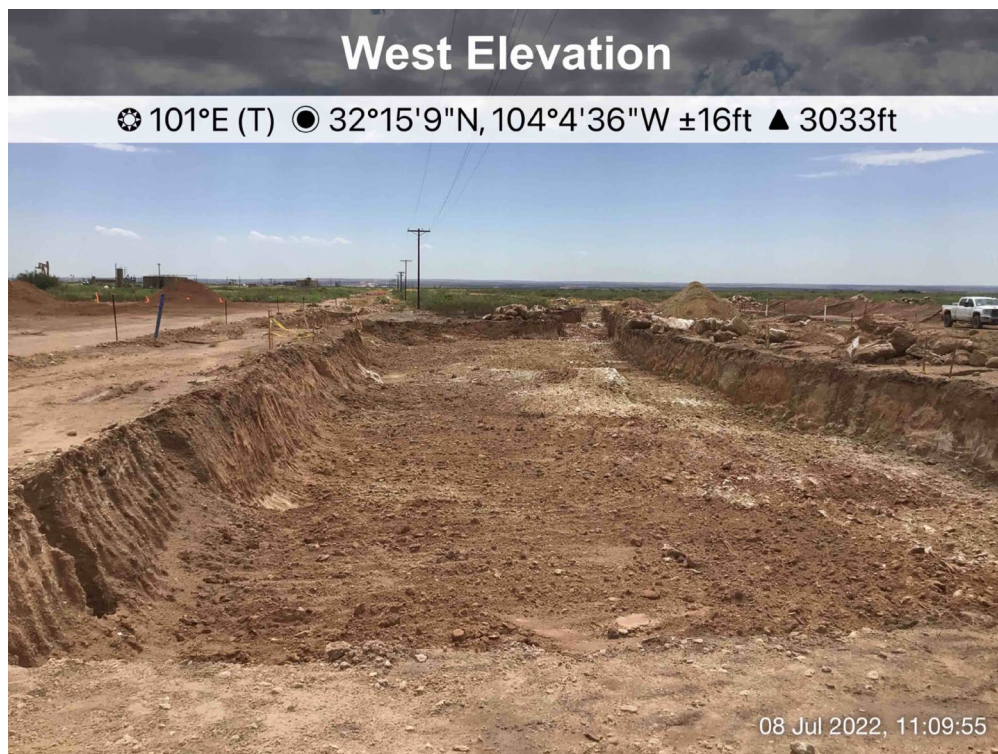
Remediation Map
Mewbourne Oil Co.
CWMS Yardbirds 34 W2NC SWD 6 Riser
Eddy County, New Mexico
32.252732,-104.077369
NMOCD Reference # NAPP2210440709





Excavation

Pasture:



Pasture:





Excavation

Pasture:

West Elevation

☼ 80°E (T) ● 32°15'9"N, 104°4'36"W ±9ft ▲ 3034ft



Pasture:

West Elevation

☼ 92°E (T) ● 32°15'9"N, 104°4'35"W ±13ft ▲ 3031ft





Excavation

Pasture:



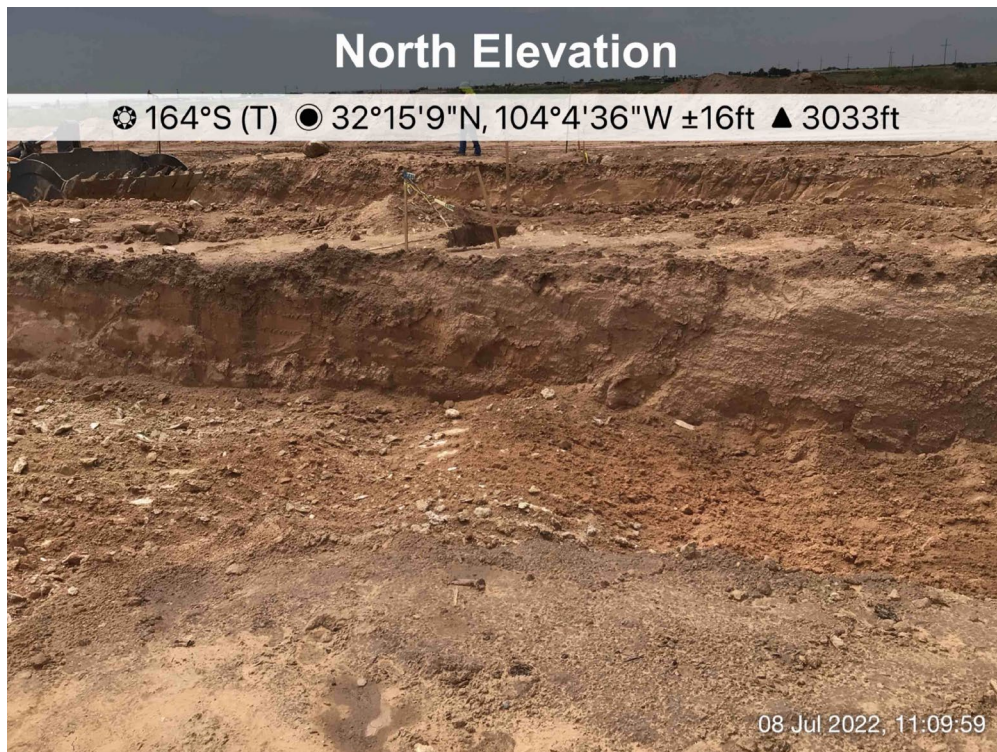
Pasture:





Excavation

Pasture:



Pasture:





Excavation

Pasture:

West Elevation

☼ 110°E (T) ● 32°15'9"N, 104°4'33"W ±9ft ▲ 3028ft



Pasture:

West Elevation

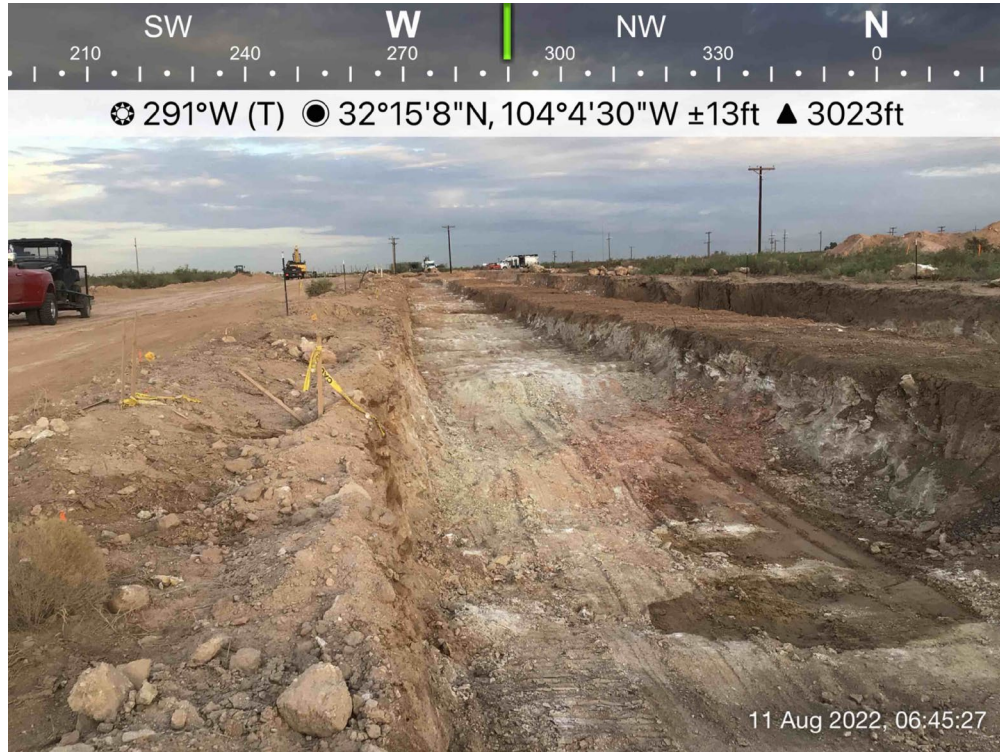
☼ 93°E (T) ● 32°15'9"N, 104°4'33"W ±6ft ▲ 3028ft





Excavation

Pasture:



Pasture:





New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	POD Sub-Code	basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	Depth Well	Depth Water	Water Column
C 01240	C	ED		1	3	34	23S	28E		586494	3569592*	873	125	25	100
C 04337 POD1	CUB	ED		4	1	4	03	24S	28E	587317	3567907	1002	60		
C 00318	C	ED		2	4	4	34	23S	28E	587811	3569298*	1018	150		
C 00573	CUB	ED		2	2	4	04	24S	28E	586188	3568087*	1030	250	35	215
C 02306	C	ED		3	2	04	24S	28E		585690	3568382*	1296	75	25	50
C 01232	C	ED		2	3	1	34	23S	28E	586592	3570095*	1310	150		
C 01237	C	ED		1	1	2	10	24S	28E	587197	3567298*	1552	123		

Average Depth to Water: **28 feet**

Minimum Depth: **25 feet**

Maximum Depth: **35 feet**

Record Count: 7

UTM NAD83 Radius Search (in meters):

Easting (X): 586909.38

Northing (Y): 3568823.28

Radius: 1600

*UTM location was derived from PLSS - see Help

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

4/21/22 4:14 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



National Water Information System: Web Interface

USGS Water Resources

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hideNews Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.
- [Full News](#) 

Groundwater levels for the Nation

 Important: [Next Generation Monitoring Location Page](#)

Search Results -- 1 sites found

Agency code = usgs
site_no list =

- 321446104045301

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

USGS 321446104045301 24S.28E.04.422422

Eddy County, New Mexico
Latitude 32°14'46", Longitude 104°04'53" NAD27
Land-surface elevation 3,021 feet above NAVD88
The depth of the well is 250 feet below land surface.
This well is completed in the Other aquifers (N9999OTHER) national aquifer.
This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

Output formats

Table of data
Tab-separated data
Graph of data
Reselect period

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
------	------	-------------------------------------	---------------------	--------------------------------------	---	---------------------------	-------------	----------------------------	-----------------------	----------------------------	----------------------------------

Released to Imaging: 3/31/2023 8:04:03 AM

Received by OCD: 12/16/2022 12:55:51 PM

Page 38 of 850

Date	Time	Water-level date-time accuracy	?	Water level, feet below land surface	level, feet above specific vertical datum	Referenced vertical datum	?	?	?	?	?
1988-02-12			D	62611	2999.43	NAVD88	1	Z			A
1992-11-20			D	62610	3001.37	NGVD29	1	S			A
1992-11-20			D	62611	3002.95	NAVD88	1	S			A
1992-11-20			D	72019	18.05		1	S			A
1998-01-23			D	62610	2998.65	NGVD29	1	S			A
1998-01-23			D	62611	3000.23	NAVD88	1	S			A
1998-01-23			D	72019	20.77		1	S			A
2003-02-04			D	62610	2993.99	NGVD29	1	S	USGS	S	A
2003-02-04			D	62611	2995.57	NAVD88	1	S	USGS	S	A
2003-02-04			D	72019	25.43		1	S	USGS	S	A

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Measuring agency	USGS	U.S. Geological Survey
Source of measurement		Not determined
Source of measurement	S	Measured by personnel of reporting agency.
Water-level approval status	A	Approved for publication -- Processing and review completed.

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[Explanation of terms](#)

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[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

Title: Groundwater for USA: Water Levels

URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>

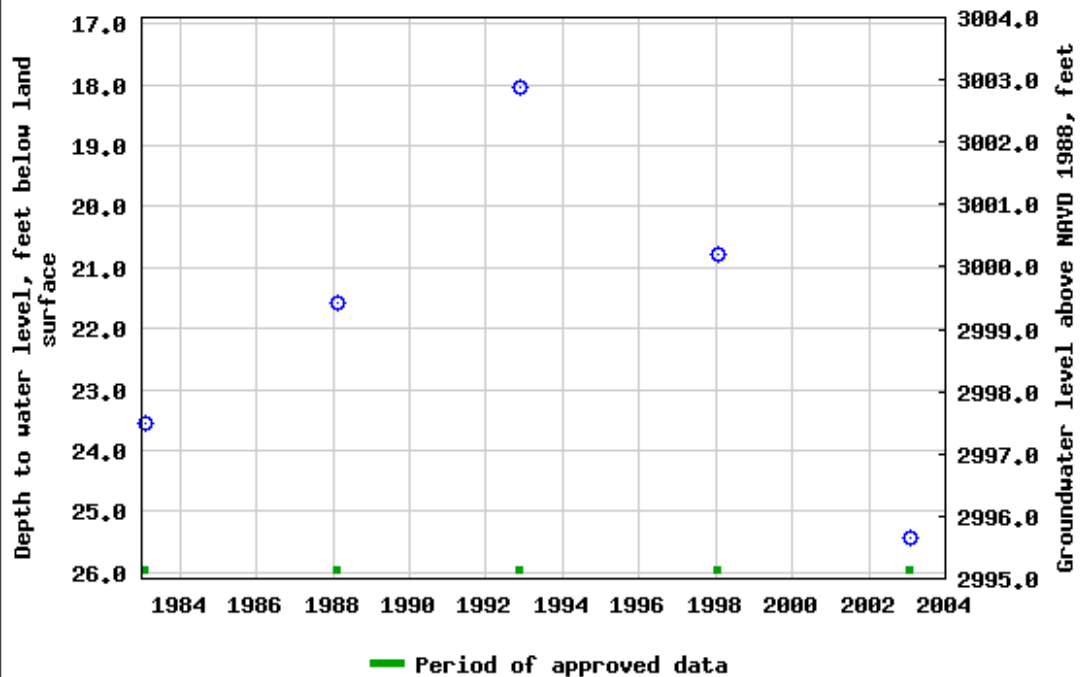


Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2022-05-12 10:40:13 EDT

0.35 0.32 nadww01

USGS 321446104045301 24S.28E.04.422422

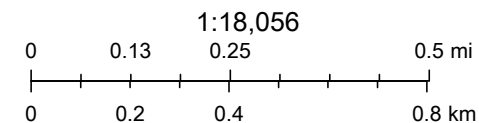


NAPP2210440709 | CWMS Yardbirds 34 W2NC SWD 6 Riser



11/7/2022, 10:40:11 AM

- | | | |
|-------------------------|-------------------------|--------------------------|
| ● Live Stream Gauges v1 | ● Pending | Water Right Regulations |
| ● GIS WATERS PODs | ● Plugged | ■ Negative Easement Area |
| ● Active | □ OSE District Boundary | |



Esri, HERE, GeoTechnologies, Inc., Esri, HERE, Garmin, GeoTechnologies, Inc., U.S. Department of Energy Office of Legacy Management, Maxar

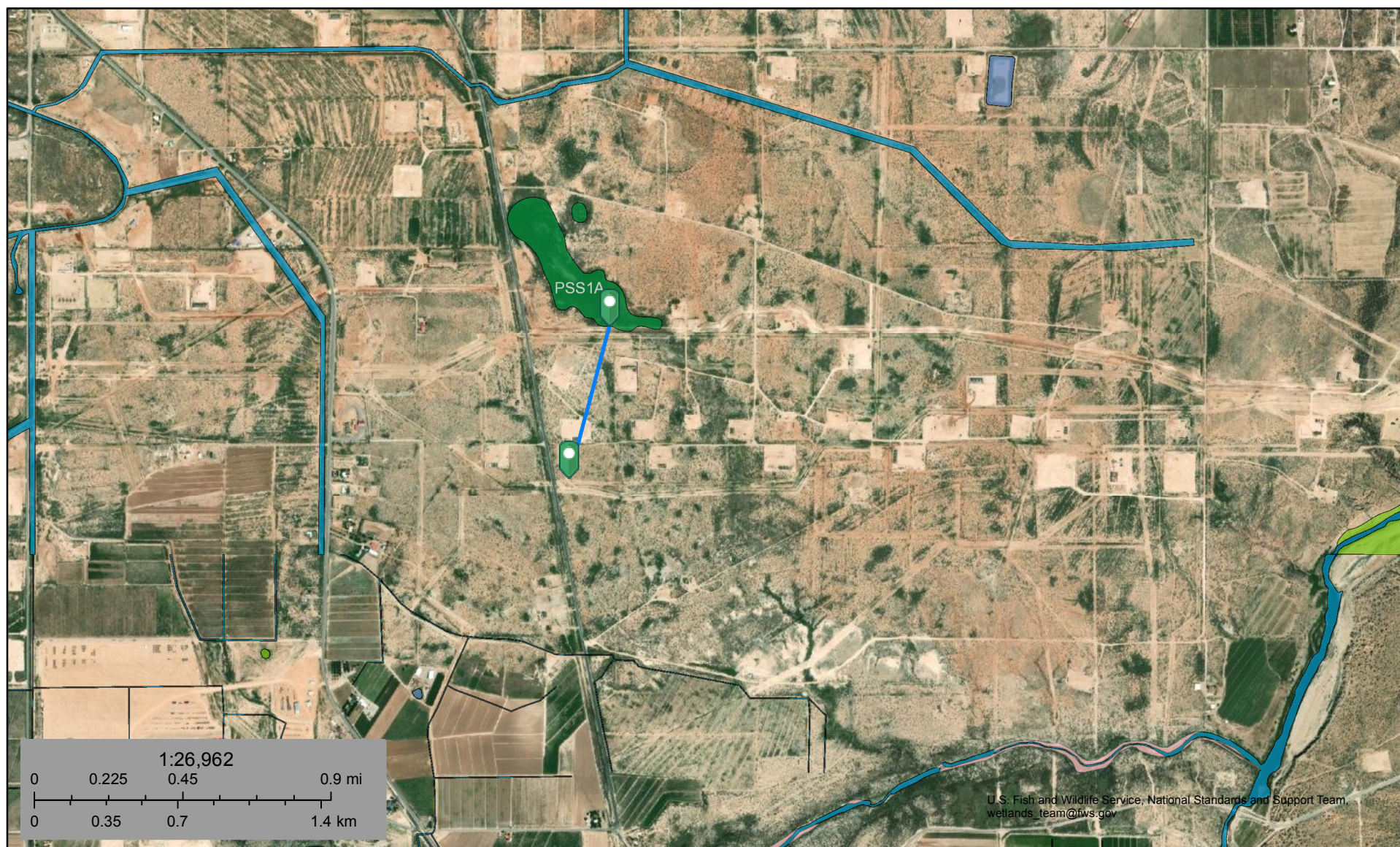
Web Generated Map
Map is generated by web users.



U.S. Fish and Wildlife Service

National Wetlands Inventory

NAPP2210440709 | CWMS Yardbirds 34 W2NC SWD 6 Riser



June 30, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

National Flood Hazard Layer FIRMette



104°4'57"W 32°15'25"N



Legend

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

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



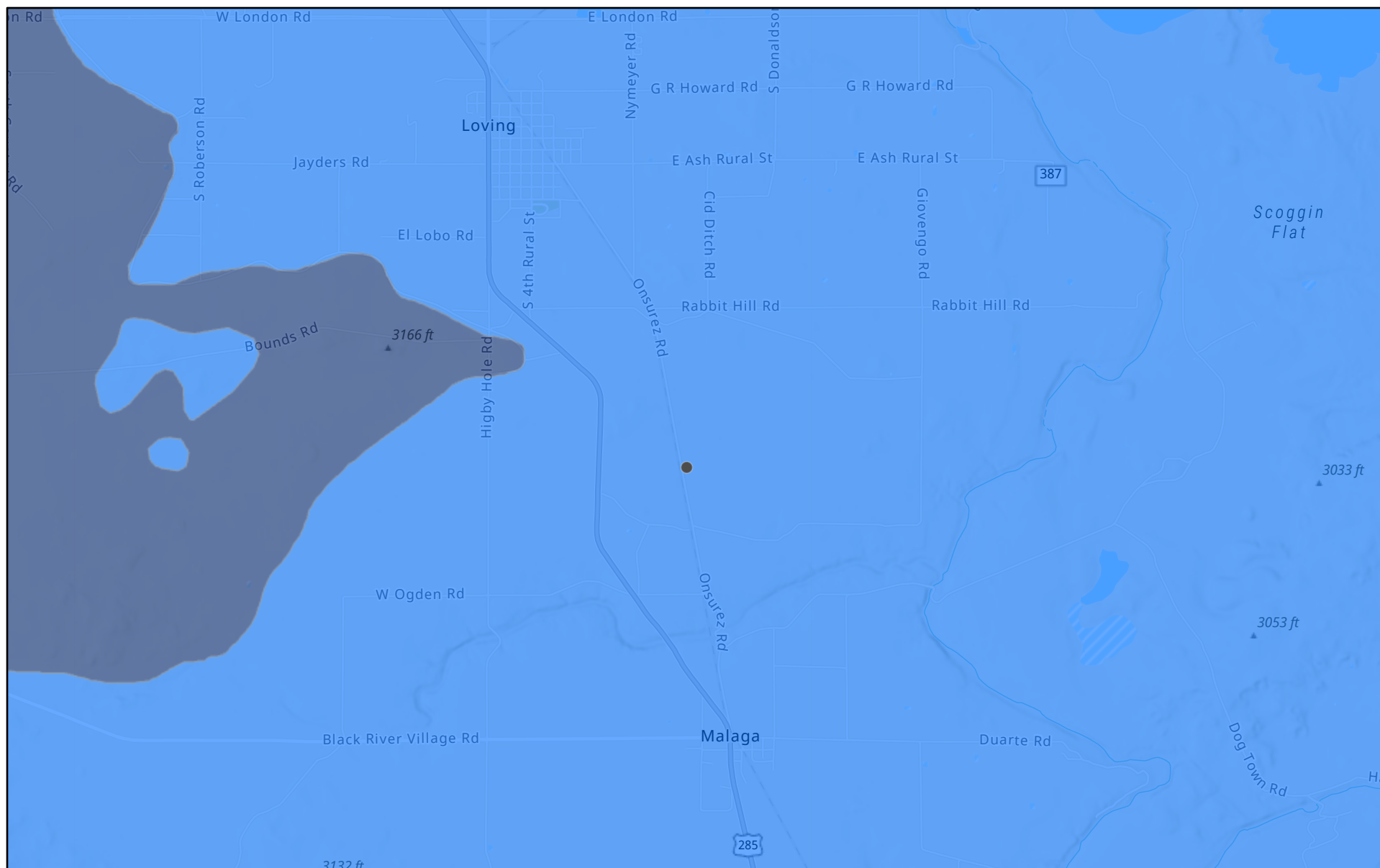
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 6/30/2022 at 10:52 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

NAPP2210440709 | CWMS Yardbirds 34 W2NC SWD 6 Riser

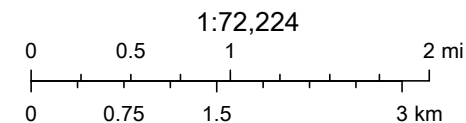


11/7/2022, 10:51:00 AM

Karst Occurrence Potential

Medium

High



BLM, OCD, New Mexico Tech, Esri, NASA, NGA, USGS, FEMA, New Mexico State University, Texas Parks & Wildlife, CONANP, Esri, HERE,

New Mexico Oil Conservation Division

Soil Map—Eddy Area, New Mexico
(NAPP2210440709 | CWMS YARDBIRDS 34 W2NC SWD 6 RISER)



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

6/30/2022
Page 1 of 3

Soil Map—Eddy Area, New Mexico
(NAPP2210440709 | CWMS YARDBIRDS 34 W2NC SWD 6 RISER)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

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

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

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

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

Soil Survey Area: Eddy Area, New Mexico
Survey Area Data: Version 17, Sep 12, 2021

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

Date(s) aerial images were photographed: Feb 27, 2020—Feb 28, 2020

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Gs	Gypsum land-Cottonwood complex, 0 to 3 percent slopes	21.5	82.0%
Rv	Russler loam, 1 to 3 percent slopes	4.7	18.0%
Totals for Area of Interest		26.2	100.0%



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

April 26, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 04/20/22 16:43.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 1 @ 8' (H221638-01)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2022	ND	2.21	110	2.00	1.43	
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41	
Total BTX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	04/22/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	199	99.6	200	4.90	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	200	99.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 99.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 2 @ 3' (H221638-02)

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	04/23/2022	ND	2.21	110	2.00	1.43	
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41	
Total BTEx	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2840	16.0	04/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	199	99.6	200	4.90	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	200	99.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 3 @ 8' (H221638-03)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2022	ND	2.21	110	2.00	1.43	
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41	
Total BTX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/22/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	199	99.6	200	4.90	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	200	99.9	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 92.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 4 @ 6' (H221638-04)

BTX 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/23/2022	ND	2.21	110	2.00	1.43		
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41		
Total BTX	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	04/22/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	224	112	200	4.96	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	243	121	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 5 @ 6' (H221638-05)

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	04/23/2022	ND	2.21	110	2.00	1.43		
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41		
Total BTEx	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	04/22/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	224	112	200	4.96	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	243	121	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 6 @ 6' (H221638-06)

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	04/23/2022	ND	2.21	110	2.00	1.43	
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41	
Total BTX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	04/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	224	112	200	4.96	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	243	121	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 7 @ 10' (H221638-07)

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	04/23/2022	ND	2.21	110	2.00	1.43		
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41		
Total BTEx	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	04/22/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	224	112	200	4.96	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	243	121	200	2.47	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 8 @ 3' (H221638-08)

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	04/23/2022	ND	2.21	110	2.00	1.43	
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41	
Total BTX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2000	16.0	04/22/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 9 @ 7' (H221638-09)

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	04/23/2022	ND	2.21	110	2.00	1.43	
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41	
Total BTEX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	04/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 88.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.8 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 10 @ 4' (H221638-10)

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	04/23/2022	ND	2.21	110	2.00	1.43		
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41		
Total BTEX	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4960	16.0	04/22/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 101 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 10 @ 6' (H221638-11)

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	04/23/2022	ND	2.21	110	2.00	1.43		
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41		
Total BTEx	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	04/22/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 98.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 11 @ 6' (H221638-12)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2022	ND	2.21	110	2.00	1.43	
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41	
Total BTEx	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	04/22/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 97.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 12 @ 4' (H221638-13)

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	04/23/2022	ND	2.21	110	2.00	1.43		
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41		
Total BTEx	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/22/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 92.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.5 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 12 @ 8' (H221638-14)

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	04/23/2022	ND	2.21	110	2.00	1.43	
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41	
Total BTX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	04/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 94.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.8 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 13 @ 6' (H221638-15)

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	04/23/2022	ND	2.21	110	2.00	1.43	
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41	
Total BTEx	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	04/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 95.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.6 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 14 @ 4' (H221638-16)

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	04/23/2022	ND	2.21	110	2.00	1.43	
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41	
Total BTX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3680	16.0	04/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 99.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 14 @ 5' (H221638-17)

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	04/23/2022	ND	2.21	110	2.00	1.43		
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41		
Total BTEx	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	04/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 90.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.1 % 59.5-142

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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
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Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 15 @ 10' (H221638-18)

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	04/23/2022	ND	2.21	110	2.00	1.43		
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41		
Total BTEx	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 123 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 16 @ 4' (H221638-19)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/23/2022	ND	2.21	110	2.00	1.43		
Toluene*	<0.050	0.050	04/23/2022	ND	2.20	110	2.00	2.73		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.09	105	2.00	2.20		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.50	108	6.00	2.41		
Total BTEx	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1960	16.0	04/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.2 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 16 @ 6' (H221638-20)

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	04/23/2022	ND	2.24	112	2.00	2.23		
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21		
Total BTEx	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

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	04/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 91.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.0 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 17 @ 3' (H221638-21)

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	04/23/2022	ND	2.24	112	2.00	2.23		
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21		
Total BTEx	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	04/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 94.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.5 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 18 @ 4' (H221638-22)

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	04/23/2022	ND	2.24	112	2.00	2.23	
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21	
Total BTX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6320	16.0	04/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.0 % 59.5-142

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 18 @ 8' (H221638-23)

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	04/23/2022	ND	2.24	112	2.00	2.23		
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21		
Total BTEx	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	04/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 93.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.4 % 59.5-142

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 HOBBS NM, 88241
 Fax To: NONE

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/19/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 19 @ 5' (H221638-24)

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	04/23/2022	ND	2.24	112	2.00	2.23		
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21		
Total BTEx	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	04/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 89.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 92.8 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 20 @ 4' (H221638-25)

BTX 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/23/2022	ND	2.24	112	2.00	2.23	
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21	
Total BTX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	04/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 91.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 20 @ 6' (H221638-26)

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	04/23/2022	ND	2.24	112	2.00	2.23	
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21	
Total BTX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	04/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 21 @ 10' (H221638-27)

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	04/23/2022	ND	2.24	112	2.00	2.23	
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21	
Total BTEx	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	04/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	229	114	200	6.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	209	105	200	8.37	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 88.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.9 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 22 @ 10' (H221638-28)

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	04/23/2022	ND	2.24	112	2.00	2.23	
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21	
Total BTEx	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	04/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 23 @ 10' (H221638-29)

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	04/23/2022	ND	2.24	112	2.00	2.23	
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21	
Total BTEx	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	04/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 24 @ 10' (H221638-30)

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	04/23/2022	ND	2.24	112	2.00	2.23	
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21	
Total BTEx	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	04/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 91.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 25 @ 10' (H221638-31)

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	04/23/2022	ND	2.24	112	2.00	2.23	
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21	
Total BTEx	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	04/22/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 84.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.6 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 26 @ 10' (H221638-32)

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	04/23/2022	ND	2.24	112	2.00	2.23		
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21		
Total BTEx	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	04/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 91.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 27 @ 8' (H221638-33)

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	04/23/2022	ND	2.24	112	2.00	2.23		
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21		
Total BTEx	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	04/22/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 95.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 28 @ 4' (H221638-34)

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	04/23/2022	ND	2.24	112	2.00	2.23		
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21		
Total BTEx	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	04/22/2022	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	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 96.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 28 @ 10' (H221638-35)

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	04/23/2022	ND	2.24	112	2.00	2.23	
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21	
Total BTEx	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	04/22/2022	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	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	10.4	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 91.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 29 @ 4' (H221638-36)

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	04/23/2022	ND	2.24	112	2.00	2.23		
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21		
Total BTEx	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	04/22/2022	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	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 91.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 29 @ 10' (H221638-37)

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	04/23/2022	ND	2.24	112	2.00	2.23	
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21	
Total BTEx	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	04/22/2022	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	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 87.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.8 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 30 @ 8' (H221638-38)

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	04/23/2022	ND	2.24	112	2.00	2.23	
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21	
Total BTX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	04/22/2022	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	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 88.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.0 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 31 @ 8' (H221638-39)

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	04/23/2022	ND	2.24	112	2.00	2.23	
Toluene*	<0.050	0.050	04/23/2022	ND	2.22	111	2.00	2.96	
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.11	106	2.00	2.40	
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.56	109	6.00	2.21	
Total BTX	<0.300	0.300	04/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	04/22/2022	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	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 94.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 32 @ 8' (H221638-40)

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	04/22/2022	ND	2.11	106	2.00	7.15		
Toluene*	<0.050	0.050	04/22/2022	ND	2.09	104	2.00	7.20		
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	1.99	99.4	2.00	7.52		
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.21	103	6.00	7.65		
Total BTEx	<0.300	0.300	04/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/22/2022	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	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 96.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 33 @ 8' (H221638-41)

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	04/22/2022	ND	2.23	111	2.00	0.306		
Toluene*	<0.050	0.050	04/22/2022	ND	2.21	111	2.00	0.261		
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	2.16	108	2.00	1.11		
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.71	112	6.00	1.11		
Total BTEx	<0.300	0.300	04/22/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	04/22/2022	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	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	12.0	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 95.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 34 @ 8' (H221638-42)

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	04/22/2022	ND	2.23	111	2.00	0.306	
Toluene*	<0.050	0.050	04/22/2022	ND	2.21	111	2.00	0.261	
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	2.16	108	2.00	1.11	
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.71	112	6.00	1.11	
Total BTEx	<0.300	0.300	04/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	04/22/2022	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	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	10.4	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 94.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 35 @ 8' (H221638-43)

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	04/22/2022	ND	2.23	111	2.00	0.306	
Toluene*	<0.050	0.050	04/22/2022	ND	2.21	111	2.00	0.261	
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	2.16	108	2.00	1.11	
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.71	112	6.00	1.11	
Total BTEx	<0.300	0.300	04/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	04/22/2022	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	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 95.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 36 @ 8' (H221638-44)

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	04/22/2022	ND	2.23	111	2.00	0.306	
Toluene*	<0.050	0.050	04/22/2022	ND	2.21	111	2.00	0.261	
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	2.16	108	2.00	1.11	
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.71	112	6.00	1.11	
Total BTEx	<0.300	0.300	04/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	04/22/2022	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	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 94.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 37 @ 8' (H221638-45)

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	04/22/2022	ND	2.23	111	2.00	0.306	
Toluene*	<0.050	0.050	04/22/2022	ND	2.21	111	2.00	0.261	
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	2.16	108	2.00	1.11	
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.71	112	6.00	1.11	
Total BTEx	<0.300	0.300	04/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	04/22/2022	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	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 92.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 38 @ 8' (H221638-46)

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	04/22/2022	ND	2.23	111	2.00	0.306	
Toluene*	<0.050	0.050	04/22/2022	ND	2.21	111	2.00	0.261	
Ethylbenzene*	<0.050	0.050	04/22/2022	ND	2.16	108	2.00	1.11	
Total Xylenes*	<0.150	0.150	04/22/2022	ND	6.71	112	6.00	1.11	
Total BTEX	<0.300	0.300	04/22/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8530	16.0	04/22/2022	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	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 94.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 39 @ 8' (H221638-47)

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	04/23/2022	ND	2.23	111	2.00	0.306		
Toluene*	<0.050	0.050	04/23/2022	ND	2.21	111	2.00	0.261		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.16	108	2.00	1.11		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.71	112	6.00	1.11		
Total BTX	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	11000	16.0	04/22/2022	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	04/23/2022	ND	220	110	200	5.03	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	254	127	200	2.82	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 95.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 39 @ 11' (H221638-48)

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	04/23/2022	ND	2.23	111	2.00	0.306		
Toluene*	<0.050	0.050	04/23/2022	ND	2.21	111	2.00	0.261		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.16	108	2.00	1.11		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.71	112	6.00	1.11		
Total BTEX	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	04/22/2022	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	04/22/2022	ND	240	120	200	4.41	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	177	88.7	200	7.23	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 91.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.2 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 40 @ 8' (H221638-49)

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	04/23/2022	ND	2.23	111	2.00	0.306		
Toluene*	<0.050	0.050	04/23/2022	ND	2.21	111	2.00	0.261		
Ethylbenzene*	<0.050	0.050	04/23/2022	ND	2.16	108	2.00	1.11		
Total Xylenes*	<0.150	0.150	04/23/2022	ND	6.71	112	6.00	1.11		
Total BTX	<0.300	0.300	04/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10600	16.0	04/22/2022	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	04/23/2022	ND	240	120	200	4.41	
DRO >C10-C28*	45.3	10.0	04/23/2022	ND	177	88.7	200	7.23	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 97.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 40 @ 11' (H221638-50)

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	04/25/2022	ND	1.95	97.5	2.00	8.48		
Toluene*	<0.050	0.050	04/25/2022	ND	1.93	96.5	2.00	9.15		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	1.85	92.6	2.00	8.99		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.79	96.6	6.00	8.93		
Total BTEX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	04/22/2022	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	04/23/2022	ND	240	120	200	4.41	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	177	88.7	200	7.23	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 41 @ 8' (H221638-51)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12	
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33	
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43	
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12	
Total BTEX	<0.300	0.300	04/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10800	16.0	04/22/2022	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	04/23/2022	ND	240	120	200	4.41	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	177	88.7	200	7.23	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 94.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.1 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/20/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 41 @ 11' (H221638-52)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12		
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12		
Total BTEx	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

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	04/22/2022	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	04/23/2022	ND	240	120	200	4.41	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	177	88.7	200	7.23	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.9 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/12/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 1 @ 4' (H221638-53)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12	
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33	
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43	
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12	
Total BTEX	<0.300	0.300	04/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3200	16.0	04/22/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 121 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/12/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 2 @ 4' (H221638-54)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12	
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33	
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43	
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12	
Total BTEX	<0.300	0.300	04/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	04/22/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/12/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 3 @ 4' (H221638-55)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12	
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33	
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43	
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12	
Total BTX	<0.300	0.300	04/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1560	16.0	04/22/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/12/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 4 @ 4' (H221638-56)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12		
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12		
Total BTEX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2080	16.0	04/22/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 113 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 5 @ 4' (H221638-57)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12		
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12		
Total BTEX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1400	16.0	04/22/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 94.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 104 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/12/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP -6 @ 4' (H221638-58)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12		
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12		
Total BTX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	04/22/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 7 @ 4' (H221638-59)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12	
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33	
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43	
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12	
Total BTX	<0.300	0.300	04/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1230	16.0	04/22/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/12/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 8 @ 4' (H221638-60)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12	
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33	
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43	
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12	
Total BTEX	<0.300	0.300	04/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	04/22/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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Analytical Results For:

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Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 9 @ 4' (H221638-61)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12		
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12		
Total BTX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5330	16.0	04/22/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 11 @ 4' (H221638-62)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12		
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12		
Total BTX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	04/22/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 13 @ 4' (H221638-63)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12		
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12		
Total BTEX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	04/22/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 15 @ 4' (H221638-64)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12	
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33	
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43	
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12	
Total BTEX	<0.300	0.300	04/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1600	16.0	04/22/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	32.6	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/18/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 17 @ 4' (H221638-65)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12	
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33	
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43	
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12	
Total BTEX	<0.300	0.300	04/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	04/22/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	240	120	200	4.41	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	177	88.7	200	7.23	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 97.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.3 % 59.5-142

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Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/18/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 19 @ 4' (H221638-66)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12	
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33	
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43	
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12	
Total BTEX	<0.300	0.300	04/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3320	16.0	04/22/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	240	120	200	4.41	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	177	88.7	200	7.23	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 81.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.7 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/18/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 21 @ 4' (H221638-67)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12	
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33	
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43	
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12	
Total BTEX	<0.300	0.300	04/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1070	16.0	04/22/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	240	120	200	4.41	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	177	88.7	200	7.23	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 88.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/18/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 22 @ 4' (H221638-68)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12	
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33	
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43	
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12	
Total BTEX	<0.300	0.300	04/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2640	16.0	04/22/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	240	120	200	4.41	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	177	88.7	200	7.23	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 95.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.1 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/18/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 23 @ 4' (H221638-69)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12		
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12		
Total BTX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4320	16.0	04/22/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	240	120	200	4.41	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	177	88.7	200	7.23	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 93.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.1 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/18/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 24 @ 4' (H221638-70)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.97	98.7	2.00	6.12		
Toluene*	<0.050	0.050	04/25/2022	ND	2.02	101	2.00	6.33		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	2.01	100	2.00	6.43		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.94	98.9	6.00	7.12		
Total BTEX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6930	16.0	04/22/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	240	120	200	4.41	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	177	88.7	200	7.23	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 96.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.8 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/18/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 25 @ 4' (H221638-71)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.92	95.8	2.00	5.55		
Toluene*	<0.050	0.050	04/25/2022	ND	1.99	99.3	2.00	5.57		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	1.96	98.2	2.00	5.36		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.82	96.9	6.00	5.92		
Total BTX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/22/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	240	120	200	4.41	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	177	88.7	200	7.23	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 92.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.1 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/18/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 26 @ 4' (H221638-72)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.92	95.8	2.00	5.55		
Toluene*	<0.050	0.050	04/25/2022	ND	1.99	99.3	2.00	5.57		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	1.96	98.2	2.00	5.36		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.82	96.9	6.00	5.92		
Total BTEx	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6260	16.0	04/22/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	240	120	200	4.41	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	177	88.7	200	7.23	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 91.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.4 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 39 @ 4' (H221638-73)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.92	95.8	2.00	5.55		
Toluene*	<0.050	0.050	04/25/2022	ND	1.99	99.3	2.00	5.57		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	1.96	98.2	2.00	5.36		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.82	96.9	6.00	5.92		
Total BTX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	04/22/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 40 @ 4' (H221638-74)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.92	95.8	2.00	5.55		
Toluene*	<0.050	0.050	04/25/2022	ND	1.99	99.3	2.00	5.57		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	1.96	98.2	2.00	5.36		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.82	96.9	6.00	5.92		
Total BTX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	19200	16.0	04/22/2022	ND	416	104	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 118 % 59.5-142

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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 41 @ 4' (H221638-75)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.92	95.8	2.00	5.55		
Toluene*	<0.050	0.050	04/25/2022	ND	1.99	99.3	2.00	5.57		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	1.96	98.2	2.00	5.36		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.82	96.9	6.00	5.92		
Total BTEX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2440	16.0	04/22/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 110 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 30 @ 4' (H221638-76)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.92	95.8	2.00	5.55		
Toluene*	<0.050	0.050	04/25/2022	ND	1.99	99.3	2.00	5.57		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	1.96	98.2	2.00	5.36		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.82	96.9	6.00	5.92		
Total BTX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4880	16.0	04/22/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 31 @ 4' (H221638-77)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.92	95.8	2.00	5.55		
Toluene*	<0.050	0.050	04/25/2022	ND	1.99	99.3	2.00	5.57		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	1.96	98.2	2.00	5.36		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.82	96.9	6.00	5.92		
Total BTEX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3240	16.0	04/22/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 98.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 32 @ 4' (H221638-78)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.92	95.8	2.00	5.55		
Toluene*	<0.050	0.050	04/25/2022	ND	1.99	99.3	2.00	5.57		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	1.96	98.2	2.00	5.36		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.82	96.9	6.00	5.92		
Total BTX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	7730	16.0	04/22/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 111 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 33 @ 4' (H221638-79)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.92	95.8	2.00	5.55		
Toluene*	<0.050	0.050	04/25/2022	ND	1.99	99.3	2.00	5.57		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	1.96	98.2	2.00	5.36		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.82	96.9	6.00	5.92		
Total BTX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	12600	16.0	04/22/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: CK					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2022	ND	215	107	200	7.52	
DRO >C10-C28*	<10.0	10.0	04/22/2022	ND	237	118	200	4.87	
EXT DRO >C28-C36	<10.0	10.0	04/22/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 34 @ 4' (H221638-80)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2022	ND	1.92	95.8	2.00	5.55		
Toluene*	<0.050	0.050	04/25/2022	ND	1.99	99.3	2.00	5.57		
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	1.96	98.2	2.00	5.36		
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.82	96.9	6.00	5.92		
Total BTX	<0.300	0.300	04/25/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9200	16.0	04/22/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	200	100	200	0.194	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	195	97.7	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 106 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 35 @ 4' (H221638-81)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/25/2022	ND	1.92	95.8	2.00	5.55	
Toluene*	<0.050	0.050	04/25/2022	ND	1.99	99.3	2.00	5.57	
Ethylbenzene*	<0.050	0.050	04/25/2022	ND	1.96	98.2	2.00	5.36	
Total Xylenes*	<0.150	0.150	04/25/2022	ND	5.82	96.9	6.00	5.92	
Total BTEX	<0.300	0.300	04/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	14800	16.0	04/22/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	200	100	200	0.194	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	195	97.7	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 96.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 36 @ 4' (H221638-82)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	1.92	95.8	2.00	5.55		
Toluene*	<0.050	0.050	04/26/2022	ND	1.99	99.3	2.00	5.57		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	1.96	98.2	2.00	5.36		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	5.82	96.9	6.00	5.92		
Total BTEX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3600	16.0	04/22/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	200	100	200	0.194	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	195	97.7	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 99.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 102 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 37 @ 4' (H221638-83)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	1.92	95.8	2.00	5.55		
Toluene*	<0.050	0.050	04/26/2022	ND	1.99	99.3	2.00	5.57		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	1.96	98.2	2.00	5.36		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	5.82	96.9	6.00	5.92		
Total BTEX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	13800	16.0	04/22/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	200	100	200	0.194	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	195	97.7	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 99.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 38 @ 4' (H221638-84)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	1.92	95.8	2.00	5.55		
Toluene*	<0.050	0.050	04/26/2022	ND	1.99	99.3	2.00	5.57		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	1.96	98.2	2.00	5.36		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	5.82	96.9	6.00	5.92		
Total BTEX	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6660	16.0	04/22/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	200	100	200	0.194	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	195	97.7	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 97.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 04/20/2022
 Reported: 04/26/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 04/13/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SP - 38 @ 11' (H221638-85)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/26/2022	ND	1.92	95.8	2.00	5.55		
Toluene*	<0.050	0.050	04/26/2022	ND	1.99	99.3	2.00	5.57		
Ethylbenzene*	<0.050	0.050	04/26/2022	ND	1.96	98.2	2.00	5.36		
Total Xylenes*	<0.150	0.150	04/26/2022	ND	5.82	96.9	6.00	5.92		
Total BTEx	<0.300	0.300	04/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	04/22/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: CK/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/23/2022	ND	200	100	200	0.194	
DRO >C10-C28*	<10.0	10.0	04/23/2022	ND	195	97.7	200	3.00	
EXT DRO >C28-C36	<10.0	10.0	04/23/2022	ND					

Surrogate: 1-Chlorooctane 96.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.8 % 59.5-142

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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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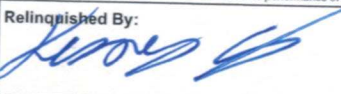

A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services				BILL TO				ANALYSIS REQUEST																							
Project Manager: Dan Dunkelberg				P.O. #:																											
Address: 8426 N Dal Paso				Company: Mewbourne Oil Co.																											
City: Hobbs		State: NM Zip: 88241		Attn: Robbie Runnels																											
Phone #:		Fax #:		Address:																											
Project #:		Project Owner: (see below)		City:																											
Project Name: YARDBIRDS 34 W2NC RISER		dan@trinityoilfieldservices.com		State: Zip:																											
Project Location: Eddy Co., NM				Phone #:																											
Sampler Name: KA				Fax #:																											
FOR LAB USE ONLY																															
Lab I.D.		Sample I.D.		GIRAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING																					
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:																									
1		SP-1 @ 8'		G 1		X				4/19/2022		900		X		X		X													
2		SP-2 @ 3'		G 1		X				4/19/2022		905		X		X		X													
3		SP-3 @ 8'		G 1		X				4/19/2022		910		X		X		X													
4		SP-4 @ 6'		G 1		X				4/19/2022		915		X		X		X													
5		SP-5 @ 6'		G 1		X				4/19/2022		920		X		X		X													
6		SP-6 @ 6'		G 1		X				4/19/2022		925		X		X		X													
7		SP-7 @ 10'		G 1		X				4/19/2022		930		X		X		X													
8		SP-8 @ 3'		G 1		X				4/19/2022		935		X		X		X													
9		SP-9 @ 7'		G 1		X				4/19/2022		940		X		X		X													
10		SP-10 @ 4'		G 1		X				4/19/2022		945		X		X		X													
<small>PI FASE 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 the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable 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 services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																															
Relinquished By: 				Date: 4/20		Received By: 				Verbal Result: Yes No Add'l Phone #:																					
				Time: 10:43						All Results are emailed. Please provide Email address:																					
Relinquished By:				Date:		Received By:				REMARKS:																					
				Time:																											
Delivered By: (Circle One)				Observed Temp. °C -6.38		Sample Condition Cool Intact Yes No		CHECKED BY: (Initials) SK		Turnaround Time: Standard Rush X				Bacteria (only) Sample Condition Cool Intact Observed Temp. °C																	
Sampler - UPS - Bus - Other:				Corrected Temp. °C -6.82						Thermometer ID #113				Cool Intact Observed Temp. °C																	
										Correction Factor -0.5 °C				Cool Intact Observed Temp. °C																	



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Project Manager: Dan Dunkelberg				P.O. #:																																									
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Project #:		Project Owner: (see below)		City:																																									
Project Name: YARDBIRDS 34 W2NC RISER		dan@trinityoilfieldservices.com		State:																																									
Project Location: Eddy Co., NM				Zip:																																									
Sampler Name: KA				Phone #:																																									
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																																					
Lab I.D.		Sample I.D.		G/RAB OR (COMP. # CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME		Chloride		TPH		BTEX													
11		SP-10 @ 6'		G 1		X																		4/19/2022		950		X		X		X													
12		SP-11 @ 6'		G 1		X																		4/19/2022		955		X		X		X													
13		SP-12 @ 4'		G 1		X																		4/19/2022		1000		X		X		X													
14		SP-12 @ 8'		G 1		X																		4/19/2022		1005		X		X		X													
15		SP-13 @ 6'		G 1		X																		4/19/2022		1010		X		X		X													
16		SP-14 @ 4'		G 1		X																		4/19/2022		1015		X		X		X													
17		SP-14 @ 5'		G 1		X																		4/19/2022		1020		X		X		X													
18		SP-15 @ 10'		G 1		X																		4/19/2022		1025		X		X		X													
19		SP-16 @ 4'		G 1		X																		4/19/2022		1030		X		X		X													
20		SP-16 @ 6'		G 1		X																		4/19/2022		1035		X		X		X													

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Relinquished By:		Date: 4/19/2022		Received By:		Verbal Result: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>		Add'l Phone #:	
Time: 11:43 AM						All Results are emailed. Please provide Email address:			
Relinquished By:		Date:		Received By:		REMARKS:			
Time:									
Delivered By: (Circle One)		Observed Temp. °C: -6.32		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>		CHECKED BY: (Initials) SK		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: -6.82		Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/>				Bacteria (only) Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/>	
				Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>				Yes <input type="checkbox"/> No <input type="checkbox"/>	
								Observed Temp. °C:	
								Corrected Temp. °C:	

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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: Mewbourne Oil Co.																																											
City: Hobbs		State: NM Zip: 88241		Attn: Robbie Runnels																																											
Phone #:		Fax #:		Address:																																											
Project #:		Project Owner: (see below)		City:																																											
Project Name: YARDBIRDS 34 W2NC RISER		dan@trinityoilfieldservices.com		State: Zip:																																											
Project Location: Eddy Co., NM		Phone #:																																													
Sampler Name: KA				Fax #:																																											
FOR LAB USE ONLY				MATRIX				PRESERV.				SAMPLING																																			
Lab I.D.				Sample I.D.				DATE				TIME				Chloride				TPH				BTEX																							
21				SP-17 @ 3'				4/19/2022				1040				X				X				X																							
22				SP-18 @ 4'				4/20/2022				800				X				X				X																							
23				SP-18 @ 8'				4/20/2022				805				X				X				X																							
24				SP-19 @ 5'				4/19/2022				1045				X				X				X																							
25				SP-20 @ 4'				4/20/2022				810				X				X				X																							
26				SP-20 @ 6'				4/20/2022				815				X				X				X																							
27				SP-21 @ 10'				4/20/2022				820				X				X				X																							
28				SP-22 @ 10'				4/20/2022				825				X				X				X																							
29				SP-23 @ 10'				4/20/2022				830				X				X				X																							
30				SP-24 @ 10'				4/20/2022				835				X				X				X																							
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Relinquished By:				Date:				Received By:				Verbal Result:				Yes				No				Add'l Phone #:																							
Time:				Time:				Time:				All Results are emailed. Please provide Email address:																																			
Relinquished By:				Date:				Received By:				REMARKS:																																			
Time:				Time:				Time:																																							
Delivered By: (Circle One)				Observed Temp. °C				Sample Condition				CHECKED BY:				Turnaround Time:				Standard				X				Bacteria (only) Sample Condition																			
Sampler - UPS - Bus - Other:				Corrected Temp. °C				Cool Intact				(Initials)				Thermometer ID #113				Rush								Cool Intact				Observed Temp. °C															
				-6.3°C				Yes Yes				SR												Yes Yes																							
				-6.8°C				No No								Correction Factor -0.5 °C								No No				Corrected Temp. °C																			



Company Name: Trinity Oilfield Services										BILL TO										ANALYSIS REQUEST																																																																					
Project Manager: Dan Dunkelberg										P.O. #:																																																																															
Address: 8426 N Dal Paso										Company: Mewbourne Oil Co.																																																																															
City: Hobbs					State: NM Zip: 88241					Attn: Robbie Runnels																																																																															
Phone #:					Fax #:					Address:																																																																															
Project #:					Project Owner: (see below)					City:																																																																															
Project Name: YARDBIRDS 34 W2NC RISER										dan@trinityoilfieldservices.com										State: Zip:																																																																					
Project Location: Eddy Co., NM										Phone #:																																																																															
Sampler Name: KA										Fax #:																																																																															
FOR LAB USE ONLY										MATRIX										PRESERV.										SAMPLING																																																											
Lab I.D.										Sample I.D.										GRAB OR (C)OMP.										DATE										TIME										Chloride										TPH										BTEX																			
31										SP-25 @ 10'										G 1										4/20/2022										840										X										X										X																			
32										SP-26 @ 10'										G 1										4/20/2022										845										X										X										X																			
33										SP-27 @ 8'										G 1										4/20/2022										850										X										X										X																			
34										SP-28 @ 4'										G 1										4/20/2022										855										X										X										X																			
35										SP-28 @ 10'										G 1										4/20/2022										900										X										X										X																			
36										SP-29 @ 4'										G 1										4/20/2022										905										X										X										X																			
37										SP-29 @ 10'										G 1										4/20/2022										910										X										X										X																			
38										SP-30 @ 8'										G 1										4/20/2022										915										X										X										X																			
39										SP-31 @ 8'										G 1										4/20/2022										920										X										X										X																			
40										SP-32 @ 8'										G 1										4/20/2022										925										X										X										X																			
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Relinquished By:										Date: 4/26										Received By:										Verbal Result:										Yes										No										Add'l Phone #:																													
Time: 1643										Stod Riquely										All Results are emailed. Please provide Email address:																																																																					
Relinquished By:										Date:										Received By:										REMARKS:																																																											
Time:																																																																																									
Delivered By: (Circle One)										Observed Temp. °C										Sample Condition										CHECKED BY:										Turnaround Time:										Standard										X										Bacteria (only) Sample Condition																			
Sampler - UPS - Bus - Other:										-6.32										Cool Intact										(Initials)																				Rush																				Cool Intact										Observed Temp. °C									
										Corrected Temp. °C										Yes Yes										SR																														Yes Yes																													
										-6.80										No No																																								No No										Corrected Temp. °C																			
† Cardinal cannot accept verbal changes. Please email changes to ccardinal@cardinalcorp.com																																																																																									



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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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: YARDBIRDS 34 W2NC RISER

Project Location: Eddy Co., NM

Sampler Name: KA

BILL TO

P.O. #:

Company: Mewbourne Oil Co.

Attn: Robbie Runnels

Address:

City:

State:

Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

H221638

Lab I.D.

Sample I.D.

(GRAB OR COMPOUND)

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

MATRIX

PRESERV.

SAMPLING

DATE

TIME

Chloride

TPH

BTEX

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Relinquished By:

Date: 4/13/22

Time: 1643

Received By:

Received By:

Time:

Relinquished By:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C

Corrected Temp. °C

Sample Condition

Cool Intact

Yes Yes

No No

CHECKED BY:

(Initials)

SR

Verbal Result:

Yes

No

Add'l Phone #:

All Results are emailed. Please provide Email address:

REMARKS:

Turnaround Time:

Standard

X

Rush

Bacteria (only) Sample Condition

Cool

Yes

No

Yes

No

No

Observed Temp. °C

Corrected Temp. °C

Thermometer ID #113

Correction Factor -0.5 °C

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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: Mewbourne Oil Co.																																									
City: Hobbs					State: NM Zip: 88241					Attn: Robbie Runnels																																									
Phone #:					Fax #:					Address:																																									
Project #:					Project Owner: (see below)					City:																																									
Project Name: YARDBIRDS 34 W2NC RISER										dan@trinityoilfieldservices.com				State:		Zip:																																			
Project Location: Eddy Co., NM										Phone #:																																									
Sampler Name: KA										Fax #:																																									
FOR LAB USE ONLY										MATRIX				PRESERV.		SAMPLING																																			
Lab I.D.		Sample I.D.								GRAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME		Chloride		TPH		BTEX											
76		SP-30 @ 4'								G		1						X												4/13/2022		900		X		X		X													
77		SP-31 @ 4'								G		1						X												4/13/2022		905		X		X		X													
78		SP-32 @ 4'								G		1						X												4/13/2022		910		X		X		X													
79		SP-33 @ 4'								G		1						X												4/13/2022		915		X		X		X													
80		SP-34 @ 4'								G		1						X												4/13/2022		920		X		X		X													
81		SP-35 @ 4'								G		1						X												4/13/2022		925		X		X		X													
82		SP-36 @ 4'								G		1						X												4/13/2022		930		X		X		X													
83		SP-37 @ 4'								G		1						X												4/13/2022		935		X		X		X													
84		SP-38 @ 4'								G		1						X												4/13/2022		940		X		X		X													
85		SP-38 @ 11'								G		1						X												4/13/2022		945		X		X		X													

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Relinquished By:	Date:	Received By:	Verbal Result:	Yes	No	Add'l Phone #:
	4/13/2022		All Results are emailed. Please provide Email address:			
Relinquished By:	Date:	Received By:	REMARKS:			
	Time:					

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY:	Turnaround Time:	Standard	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	-6.32	Cool Intact	(Initials)		Rush	Cool Intact Observed Temp. °C
	-6.82	Yes Yes		Thermometer ID #113		Yes Yes
		No No		Correction Factor -0.5 °C		No No Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email all changes to Cardinal.



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

June 07, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 05/31/22 16:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 fluid and cursive, with the first letters of the first and last names being capitalized and prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/31/2022
 Reported: 06/07/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/31/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 1 @ 11' (H222301-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2022	ND	2.03	102	2.00	0.281	
Toluene*	<0.050	0.050	06/02/2022	ND	2.02	101	2.00	0.951	
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	1.86	92.9	2.00	0.379	
Total Xylenes*	<0.150	0.150	06/02/2022	ND	5.79	96.5	6.00	0.267	
Total BTX	<0.300	0.300	06/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	06/02/2022	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	06/01/2022	ND	210	105	200	4.40	
DRO >C10-C28*	<10.0	10.0	06/01/2022	ND	196	98.0	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	06/01/2022	ND					

Surrogate: 1-Chlorooctane 75.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.7 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2022
 Reported: 06/07/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/31/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: CW - 1 E @ 5' (H222301-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2022	ND	2.03	102	2.00	0.281	
Toluene*	<0.050	0.050	06/02/2022	ND	2.02	101	2.00	0.951	
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	1.86	92.9	2.00	0.379	
Total Xylenes*	<0.150	0.150	06/02/2022	ND	5.79	96.5	6.00	0.267	
Total BTEX	<0.300	0.300	06/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	06/02/2022	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	06/01/2022	ND	210	105	200	4.40	
DRO >C10-C28*	<10.0	10.0	06/01/2022	ND	196	98.0	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	06/01/2022	ND					

Surrogate: 1-Chlorooctane 75.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2022
 Reported: 06/07/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/31/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: CW - 2 E @ 5' (H222301-03)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2022	ND	2.03	102	2.00	0.281	
Toluene*	<0.050	0.050	06/02/2022	ND	2.02	101	2.00	0.951	
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	1.86	92.9	2.00	0.379	
Total Xylenes*	<0.150	0.150	06/02/2022	ND	5.79	96.5	6.00	0.267	
Total BTX	<0.300	0.300	06/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	06/02/2022	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	06/01/2022	ND	210	105	200	4.40	
DRO >C10-C28*	<10.0	10.0	06/01/2022	ND	196	98.0	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	06/01/2022	ND					

Surrogate: 1-Chlorooctane 77.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.6 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2022
 Reported: 06/07/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/31/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: CW - 3 S @ 4' (H222301-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2022	ND	2.03	102	2.00	0.281	
Toluene*	<0.050	0.050	06/02/2022	ND	2.02	101	2.00	0.951	
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	1.86	92.9	2.00	0.379	
Total Xylenes*	<0.150	0.150	06/02/2022	ND	5.79	96.5	6.00	0.267	
Total BTEX	<0.300	0.300	06/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/02/2022	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	06/02/2022	ND	210	105	200	4.40	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	196	98.0	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 74.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 74.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/31/2022
 Reported: 06/07/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/31/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: CW - 4 S @ 4' (H222301-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2022	ND	2.03	102	2.00	0.281	
Toluene*	<0.050	0.050	06/02/2022	ND	2.02	101	2.00	0.951	
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	1.86	92.9	2.00	0.379	
Total Xylenes*	<0.150	0.150	06/02/2022	ND	5.79	96.5	6.00	0.267	
Total BTEx	<0.300	0.300	06/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	06/02/2022	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
DRO >C10-C28*	<10.0	10.0	06/01/2022	ND	196	98.0	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	06/01/2022	ND					

Surrogate: 1-Chlorooctane 76.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 80.8 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2022
 Reported: 06/07/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/31/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: CW - 5 S @ 4' (H222301-06)

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	06/02/2022	ND	2.03	102	2.00	0.281		
Toluene*	<0.050	0.050	06/02/2022	ND	2.02	101	2.00	0.951		
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	1.86	92.9	2.00	0.379		
Total Xylenes*	<0.150	0.150	06/02/2022	ND	5.79	96.5	6.00	0.267		
Total BTX	<0.300	0.300	06/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/02/2022	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	06/02/2022	ND	210	105	200	4.40	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	196	98.0	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 73.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.0 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/31/2022
 Reported: 06/07/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/31/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: CW - 6 S @ 4' (H222301-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2022	ND	2.03	102	2.00	0.281	
Toluene*	<0.050	0.050	06/02/2022	ND	2.02	101	2.00	0.951	
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	1.86	92.9	2.00	0.379	
Total Xylenes*	<0.150	0.150	06/02/2022	ND	5.79	96.5	6.00	0.267	
Total BTEX	<0.300	0.300	06/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/02/2022	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	06/02/2022	ND	210	105	200	4.40	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	196	98.0	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 74.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 76.3 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/31/2022
 Reported: 06/07/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/31/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: CW - 7 S @ 4' (H222301-08)

BTEx 8021B			mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/02/2022	ND	2.03	102	2.00	0.281		
Toluene*	<0.050	0.050	06/02/2022	ND	2.02	101	2.00	0.951		
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	1.86	92.9	2.00	0.379		
Total Xylenes*	<0.150	0.150	06/02/2022	ND	5.79	96.5	6.00	0.267		
Total BTEX	<0.300	0.300	06/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	06/02/2022	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	06/02/2022	ND	210	105	200	4.40	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	196	98.0	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 74.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.1 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 05/31/2022
 Reported: 06/07/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/31/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: CW - 8 W @ 4' (H222301-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/02/2022	ND	2.03	102	2.00	0.281	
Toluene*	<0.050	0.050	06/02/2022	ND	2.02	101	2.00	0.951	
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	1.86	92.9	2.00	0.379	
Total Xylenes*	<0.150	0.150	06/02/2022	ND	5.79	96.5	6.00	0.267	
Total BTEX	<0.300	0.300	06/02/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	06/02/2022	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	06/02/2022	ND	210	105	200	4.40	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	196	98.0	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 82.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 85.4 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 05/31/2022
 Reported: 06/07/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 05/31/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 2 @ 11' (H222301-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/02/2022	ND	2.03	102	2.00	0.281		
Toluene*	<0.050	0.050	06/02/2022	ND	2.02	101	2.00	0.951		
Ethylbenzene*	<0.050	0.050	06/02/2022	ND	1.86	92.9	2.00	0.379		
Total Xylenes*	<0.150	0.150	06/02/2022	ND	5.79	96.5	6.00	0.267		
Total BTEx	<0.300	0.300	06/02/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	06/02/2022	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	06/02/2022	ND	210	105	200	4.40	
DRO >C10-C28*	<10.0	10.0	06/02/2022	ND	196	98.0	200	0.680	
EXT DRO >C28-C36	<10.0	10.0	06/02/2022	ND					

Surrogate: 1-Chlorooctane 78.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 78.2 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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



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

June 15, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 06/10/22 16:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/15/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: PR - 3 @ 11' (H222505-01)

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	06/14/2022	ND	1.89	94.5	2.00	8.01		
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	06/14/2022	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	196	97.9	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	218	109	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 81.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 89.2 % 59.5-142

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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: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 4 @ 11' (H222505-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2022	ND	1.89	94.5	2.00	8.01		
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	06/14/2022	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	196	97.9	200	2.12	
DRO >C10-C28*	21.4	10.0	06/13/2022	ND	218	109	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 84.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.9 % 59.5-142

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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: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 5 @ 11' (H222505-03)

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	06/14/2022	ND	1.89	94.5	2.00	8.01		
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	06/14/2022	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	196	97.9	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	218	109	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 85.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.1 % 59.5-142

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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: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 6 @ 11' (H222505-04)

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	06/14/2022	ND	1.89	94.5	2.00	8.01	
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37	
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67	
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12	
Total BTX	<0.300	0.300	06/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	06/14/2022	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	196	97.9	200	2.12	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	218	109	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 79.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 86.3 % 59.5-142

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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:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/15/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: PR - 7 @ 11' (H222505-05)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2022	ND	1.89	94.5	2.00	8.01		
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12		
Total BTX	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	06/14/2022	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	196	97.9	200	2.12	
DRO >C10-C28*	20.4	10.0	06/13/2022	ND	218	109	200	2.55	
EXT DRO >C28-C36	12.1	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 74.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 82.7 % 59.5-142

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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: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 8 @ 11' (H222505-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2022	ND	1.89	94.5	2.00	8.01	
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37	
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67	
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12	
Total BTEX	<0.300	0.300	06/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	06/14/2022	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	196	97.9	200	2.12	
DRO >C10-C28*	26.2	10.0	06/13/2022	ND	218	109	200	2.55	
EXT DRO >C28-C36	12.3	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 81.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 90.2 % 59.5-142

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Analytical Results For:

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

Received: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 9 @ 11' (H222505-07)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2022	ND	1.89	94.5	2.00	8.01	
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37	
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67	
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12	
Total BTX	<0.300	0.300	06/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	06/14/2022	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	11.6	10.0	06/13/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 83.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 77.4 % 59.5-142

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Analytical Results For:

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

Received: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 10 @ 8' (H222505-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2022	ND	1.89	94.5	2.00	8.01		
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12		
Total BTEX	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	06/14/2022	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	15.7	10.0	06/13/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 92.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 88.0 % 59.5-142

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Analytical Results For:

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

Received: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 11 @ 8' (H222505-09)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2022	ND	1.89	94.5	2.00	8.01	
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37	
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67	
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12	
Total BTX	<0.300	0.300	06/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	704	16.0	06/14/2022	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	683	10.0	06/13/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	808	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 95.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 91.3 % 59.5-142

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Analytical Results For:

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

Received: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 12 @ 8' (H222505-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2022	ND	1.89	94.5	2.00	8.01		
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	06/14/2022	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	43.6	10.0	06/13/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	33.6	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.3 % 59.5-142

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Analytical Results For:

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

Received: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 13 @ 8' (H222505-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2022	ND	1.89	94.5	2.00	8.01		
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	06/14/2022	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	13.5	10.0	06/13/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	10.2	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.5 % 59.5-142

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Analytical Results For:

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

Received: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 80 @ 7' (H222505-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2022	ND	1.89	94.5	2.00	8.01		
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	06/14/2022	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 79.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 73.1 % 59.5-142

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Analytical Results For:

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

Received: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 81 @ 7' (H222505-13)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2022	ND	1.89	94.5	2.00	8.01		
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12		
Total BTX	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	06/14/2022	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	25.3	10.0	06/13/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	16.5	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.7 % 59.5-142

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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: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 82 @ 7' (H222505-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2022	ND	1.89	94.5	2.00	8.01		
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	06/14/2022	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	15.3	10.0	06/13/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 98.7 % 59.5-142

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Analytical Results For:

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

Received: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 83 @ 8' (H222505-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2022	ND	1.89	94.5	2.00	8.01		
Toluene*	<0.050	0.050	06/14/2022	ND	1.88	94.0	2.00	8.37		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	1.87	93.3	2.00	6.67		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	5.51	91.8	6.00	8.12		
Total BTEX	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	06/14/2022	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	15.4	10.0	06/13/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	10.6	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 101 % 59.5-142

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Analytical Results For:

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

Received:	06/10/2022	Sampling Date:	06/09/2022
Reported:	06/15/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: PR - 84 @ 8' (H222505-16)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2022	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998	
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588	
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615	
Total BTX	<0.300	0.300	06/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	06/14/2022	ND	416	104	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	16.1	10.0	06/13/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	17.9	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 99.3 % 59.5-142

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Analytical Results For:

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

Received: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 85 @ 7' (H222505-17)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2022	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	06/14/2022	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	11.7	10.0	06/13/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 81.7 % 59.5-142

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Analytical Results For:

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

Received: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 86 @ 7' (H222505-18)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2022	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	06/14/2022	ND	416	104	400	8.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	18.5	10.0	06/13/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 112 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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Analytical Results For:

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

Received: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 87 @ 7' (H222505-19)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2022	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998	
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588	
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615	
Total BTX	<0.300	0.300	06/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	592	16.0	06/14/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	19.1	10.0	06/13/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.5 % 59.5-142

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Analytical Results For:

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

Received: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 88 @ 7' (H222505-20)

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	06/14/2022	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998	
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588	
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615	
Total BTEx	<0.300	0.300	06/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	06/14/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	21.0	10.0	06/13/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	16.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 96.8 % 59.5-142

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Analytical Results For:

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

Received: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 89 @ 7' (H222505-21)

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	06/14/2022	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998	
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588	
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615	
Total BTEx	<0.300	0.300	06/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	06/14/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	28.2	10.0	06/13/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	20.9	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 116 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 59.5-142

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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: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 90 @ 7' (H222505-22)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2022	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998	
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588	
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615	
Total BTX	<0.300	0.300	06/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	06/14/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 99.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 94.7 % 59.5-142

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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: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 91 @ 7' (H222505-23)

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	06/14/2022	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	06/14/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	10.8	10.0	06/14/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/14/2022	ND					

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 113 % 59.5-142

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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: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 92 @ 7' (H222505-24)

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	06/14/2022	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	06/14/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	<10.0	10.0	06/14/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/14/2022	ND					

Surrogate: 1-Chlorooctane 93.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.4 % 59.5-142

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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: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 93 @ 7' (H222505-25)

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	06/14/2022	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	06/14/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	<10.0	10.0	06/14/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/14/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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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: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 95 @ 7' (H222505-26)

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	06/14/2022	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998	
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588	
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615	
Total BTX	<0.300	0.300	06/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	06/14/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/14/2022	ND	190	95.1	200	3.54	
DRO >C10-C28*	178	10.0	06/14/2022	ND	169	84.3	200	0.742	
EXT DRO >C28-C36	<10.0	10.0	06/14/2022	ND					

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 117 % 59.5-142

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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: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 96 @ 7' (H222505-27)

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	06/14/2022	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615		
Total BTEX	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	06/14/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	200	100	200	3.95	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	213	106	200	7.98	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 96.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 107 % 59.5-142

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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: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 97 @ 7' (H222505-28)

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	06/14/2022	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	06/14/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	200	100	200	3.95	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	213	106	200	7.98	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 100 % 66.9-136

Surrogate: 1-Chlorooctadecane 111 % 59.5-142

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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: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 98 @ 7' (H222505-29)

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	06/14/2022	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	06/14/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	200	100	200	3.95	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	213	106	200	7.98	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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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: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 99 @ 7' (H222505-30)

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	06/14/2022	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	06/14/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	200	100	200	3.95	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	213	106	200	7.98	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 95.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 59.5-142

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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: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 100 @ 7' (H222505-31)

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	06/14/2022	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	06/14/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	200	100	200	3.95	
DRO >C10-C28*	15.7	10.0	06/13/2022	ND	213	106	200	7.98	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 92.6 % 66.9-136

Surrogate: 1-Chlorooctadecane 105 % 59.5-142

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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: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 101 @ 7' (H222505-32)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/14/2022	ND	2.07	104	2.00	1.47	
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998	
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588	
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615	
Total BTX	<0.300	0.300	06/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	06/14/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	200	100	200	3.95	
DRO >C10-C28*	10.5	10.0	06/13/2022	ND	213	106	200	7.98	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 95.3 % 66.9-136

Surrogate: 1-Chlorooctadecane 109 % 59.5-142

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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: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 102 @ 7' (H222505-33)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2022	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	656	16.0	06/14/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	200	100	200	3.95	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	213	106	200	7.98	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

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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: 06/10/2022
 Reported: 06/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/09/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Jodi Henson

Sample ID: PR - 94 @ 7' (H222505-34)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/14/2022	ND	2.07	104	2.00	1.47		
Toluene*	<0.050	0.050	06/14/2022	ND	2.08	104	2.00	0.998		
Ethylbenzene*	<0.050	0.050	06/14/2022	ND	2.01	101	2.00	0.588		
Total Xylenes*	<0.150	0.150	06/14/2022	ND	6.26	104	6.00	0.615		
Total BTEx	<0.300	0.300	06/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	06/14/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/13/2022	ND	200	100	200	3.95	
DRO >C10-C28*	<10.0	10.0	06/13/2022	ND	213	106	200	7.98	
EXT DRO >C28-C36	<10.0	10.0	06/13/2022	ND					

Surrogate: 1-Chlorooctane 95.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 108 % 59.5-142

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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 "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Page 37 of 40



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:		Mewbourne Oil Co.			
City: Hobbs		Attn: Robbie Runnels					
State: NM Zip: 88241		Address:					
Phone #: Fax #:		City:					
Project #: Project Owner: (see below)		State:		Zip:			
Project Name: YAROBIRDS 34 WZNC RISER		Phone #:					
Project Location: Eddy Co., NM		Fax #:					
Sampler Name: KA							

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX						PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX						
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :													
11	PR-13 @ 8'	C	1	X							6/9/2022	1000	X	X	X							
12	PR-80 @ 7'	C	1	X							6/9/2022	1005	X	X	X							
13	PR-81 @ 7'	C	1	X							6/9/2022	1010	X	X	X							
14	PR-82 @ 7'	C	1	X							6/9/2022	1015	X	X	X							
15	PR-83 @ 8'	C	1								6/9/2022	1020	X	X	X							
16	PR-84 @ 8'	C	1	X							6/9/2022	1025	X	X	X							
17	PR-85 @ 7'	C	1	X							6/9/2022	1030	X	X	X							
18	PR-86 @ 7'	C	1	X							6/9/2022	1035	X	X	X							
19	PR-87 @ 7'	C	1	X							6/9/2022	1040	X	X	X							
20	PR-88 @ 7'	C	1	X							6/9/2022	1045	X	X	X							

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Relinquished By:	Date: 6/10	Received By: Jodi Menden	Verbal Result:	Yes	No	Add'l Phone #:
Relinquished By:	Date:	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
	-10	Cool Intact				Cool Intact
Sampler - UPS - Bus - Other:	-10.5	No		Thermometer ID #113	Rush	Observed Temp. °C
		No		Correction Factor 0.5 °C		Corrected Temp. °C

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



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(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:		Mentour Oil Co.	
City: Hobbs		Attn: Robbie Runnels			
State: NM Zip: 88241		Address:			
Phone #:		City:			
Project #:		State:			
Project Name: YARDIRDS 34 WZNC RISER		Zip:			
Project Location: Eddy Co., NM		Phone #:			
Sample Name: KA		Fax #:			

FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING	
(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER	
SOIL		OIL		SLUDGE		OTHER :	
ACID/BASE:		ICE / COOL		OTHER :			

Lab I.D.	Sample I.D.	DATE	TIME	Chloride	TPH	BTEX
21	PR-89 @ 7'	6/9/2022	1050	X	X	X
22	PR-90 @ 7'	6/9/2022	1055	X	X	X
23	PR-91 @ 7'	6/9/2022	1100	X	X	X
24	PR-92 @ 7'	6/9/2022	1105	X	X	X
25	PR-93 @ 7'	6/9/2022	1110	X	X	X
26	PR-95 @ 7'	6/9/2022	1115	X	X	X
27	PR-96 @ 7'	6/9/2022	1120	X	X	X
28	PR-97 @ 7'	6/9/2022	1125	X	X	X
29	PR-98 @ 7'	6/9/2022	1130	X	X	X
30	PR-99 @ 7'	6/9/2022	1135	X	X	X

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Relinquished By:	Date: 6/10	Received By: Scott Shuler	Verbal Result: All Results are emailed. Please provide Email address:	Yes	No	Add'l Phone #:
Relinquished By:	Date:	Received By:	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 Intact				Cool Intact
	-105	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			<input checked="" type="checkbox"/> Rush	<input type="checkbox"/> Yes <input type="checkbox"/> No
				Thermometer ID #113		Observed Temp. °C
				Correction Factor -0.5 °C		Corrected Temp. °C

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

Page 40 of 40



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

June 27, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

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

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 06/22/2022
 Reported: 06/27/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 422 @ 5' (H222676-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2022	ND	2.27	113	2.00	15.1	
Toluene*	<0.050	0.050	06/24/2022	ND	2.21	110	2.00	15.2	
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.17	108	2.00	15.5	
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.70	112	6.00	15.2	
Total BTX	<0.300	0.300	06/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	06/24/2022	ND	416	104	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	06/24/2022	ND	218	109	200	2.69	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	221	111	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 98.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 59.5-142

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: 06/22/2022
 Reported: 06/27/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 423 @ 5' (H222676-02)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2022	ND	2.27	113	2.00	15.1	
Toluene*	<0.050	0.050	06/24/2022	ND	2.21	110	2.00	15.2	
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.17	108	2.00	15.5	
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.70	112	6.00	15.2	
Total BTEX	<0.300	0.300	06/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	06/24/2022	ND	416	104	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	06/24/2022	ND	218	109	200	2.69	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	221	111	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 120 % 59.5-142

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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: 06/22/2022
 Reported: 06/27/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 427 @ 5' (H222676-03)

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	06/24/2022	ND	2.19	109	2.00	11.4		
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	11.4		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.11	106	2.00	11.8		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.58	110	6.00	11.7		
Total BTEx	<0.300	0.300	06/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	06/24/2022	ND	416	104	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	06/24/2022	ND	218	109	200	2.69	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	221	111	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 119 % 59.5-142

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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: 06/22/2022
 Reported: 06/27/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 428 @ 5' (H222676-04)

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	06/24/2022	ND	2.19	109	2.00	11.4		
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	11.4		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.11	106	2.00	11.8		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.58	110	6.00	11.7		
Total BTX	<0.300	0.300	06/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	06/24/2022	ND	416	104	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	06/24/2022	ND	218	109	200	2.69	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	221	111	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 99.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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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: 06/22/2022
 Reported: 06/27/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 433 @ 5' (H222676-05)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2022	ND	2.19	109	2.00	11.4		
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	11.4		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.11	106	2.00	11.8		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.58	110	6.00	11.7		
Total BTX	<0.300	0.300	06/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	06/24/2022	ND	416	104	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	06/24/2022	ND	218	109	200	2.69	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	221	111	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 97.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 114 % 59.5-142

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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: 06/22/2022
 Reported: 06/27/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 434 @ 5' (H222676-06)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/24/2022	ND	2.19	109	2.00	11.4		
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	11.4		
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.11	106	2.00	11.8		
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.58	110	6.00	11.7		
Total BTEx	<0.300	0.300	06/24/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	06/24/2022	ND	416	104	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	06/24/2022	ND	218	109	200	2.69	
DRO >C10-C28*	<10.0	10.0	06/24/2022	ND	221	111	200	2.46	
EXT DRO >C28-C36	<10.0	10.0	06/24/2022	ND					

Surrogate: 1-Chlorooctane 85.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 59.5-142

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

Page 9 of 9



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

June 28, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 06/24/22 10:23.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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: 06/24/2022
 Reported: 06/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/23/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 328 @ 7' (H222706-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2022	ND	2.17	108	2.00	1.15	
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.02	101	2.00	1.72	
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.30	105	6.00	2.16	
Total BTX	<0.300	0.300	06/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 84.6 % 69.9-140

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	06/27/2022	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	06/27/2022	ND	189	94.7	200	0.0412	
DRO >C10-C28*	<10.0	10.0	06/27/2022	ND	198	98.9	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	06/27/2022	ND					

Surrogate: 1-Chlorooctane 105 % 43-149

Surrogate: 1-Chlorooctadecane 121 % 42.5-161

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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: 06/24/2022
 Reported: 06/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/23/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 329 @ 7' (H222706-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/24/2022	ND	2.17	108	2.00	1.15	
Toluene*	<0.050	0.050	06/24/2022	ND	2.14	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	06/24/2022	ND	2.02	101	2.00	1.72	
Total Xylenes*	<0.150	0.150	06/24/2022	ND	6.30	105	6.00	2.16	
Total BTEx	<0.300	0.300	06/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 84.4 % 69.9-140

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	06/27/2022	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	06/27/2022	ND	189	94.7	200	0.0412	
DRO >C10-C28*	<10.0	10.0	06/27/2022	ND	198	98.9	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	06/27/2022	ND					

Surrogate: 1-Chlorooctane 102 % 43-149

Surrogate: 1-Chlorooctadecane 121 % 42.5-161

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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: 06/24/2022
 Reported: 06/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/23/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 330 @ 5' (H222706-03)

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	06/25/2022	ND	2.17	108	2.00	1.15	
Toluene*	<0.050	0.050	06/25/2022	ND	2.14	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	06/25/2022	ND	2.02	101	2.00	1.72	
Total Xylenes*	<0.150	0.150	06/25/2022	ND	6.30	105	6.00	2.16	
Total BTEX	<0.300	0.300	06/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 83.5 % 69.9-140

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	06/27/2022	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	06/27/2022	ND	189	94.7	200	0.0412	
DRO >C10-C28*	<10.0	10.0	06/27/2022	ND	198	98.9	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	06/27/2022	ND					

Surrogate: 1-Chlorooctane 102 % 43-149

Surrogate: 1-Chlorooctadecane 117 % 42.5-161

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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: 06/24/2022
 Reported: 06/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/23/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 331 @ 5' (H222706-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/25/2022	ND	2.17	108	2.00	1.15	
Toluene*	<0.050	0.050	06/25/2022	ND	2.14	107	2.00	1.10	
Ethylbenzene*	<0.050	0.050	06/25/2022	ND	2.02	101	2.00	1.72	
Total Xylenes*	<0.150	0.150	06/25/2022	ND	6.30	105	6.00	2.16	
Total BTEx	<0.300	0.300	06/25/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	06/27/2022	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	06/27/2022	ND	189	94.7	200	0.0412	
DRO >C10-C28*	<10.0	10.0	06/27/2022	ND	198	98.9	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	06/27/2022	ND					

Surrogate: 1-Chlorooctane 105 % 43-149

Surrogate: 1-Chlorooctadecane 121 % 42.5-161

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Analytical Results For:

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

Received: 06/24/2022
 Reported: 06/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/23/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 339 @ 5' (H222706-05)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2022	ND	2.23	112	2.00	0.894	
Toluene*	<0.050	0.050	06/27/2022	ND	2.25	112	2.00	4.10	
Ethylbenzene*	<0.050	0.050	06/27/2022	ND	2.28	114	2.00	6.27	
Total Xylenes*	<0.150	0.150	06/27/2022	ND	6.90	115	6.00	6.24	
Total BTEx	<0.300	0.300	06/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.8 % 69.9-140

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	06/27/2022	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	06/27/2022	ND	189	94.7	200	0.0412	
DRO >C10-C28*	<10.0	10.0	06/27/2022	ND	198	98.9	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	06/27/2022	ND					

Surrogate: 1-Chlorooctane 110 % 43-149

Surrogate: 1-Chlorooctadecane 126 % 42.5-161

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Analytical Results For:

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

Received: 06/24/2022
 Reported: 06/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/23/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 69 E @ 3' (H222706-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2022	ND	2.23	112	2.00	0.894		
Toluene*	<0.050	0.050	06/27/2022	ND	2.25	112	2.00	4.10		
Ethylbenzene*	<0.050	0.050	06/27/2022	ND	2.28	114	2.00	6.27		
Total Xylenes*	<0.150	0.150	06/27/2022	ND	6.90	115	6.00	6.24		
Total BTEx	<0.300	0.300	06/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.1 % 69.9-140

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	06/27/2022	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	06/27/2022	ND	189	94.7	200	0.0412	
DRO >C10-C28*	<10.0	10.0	06/27/2022	ND	198	98.9	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	06/27/2022	ND					

Surrogate: 1-Chlorooctane 114 % 43-149

Surrogate: 1-Chlorooctadecane 135 % 42.5-161

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Analytical Results For:

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

Received: 06/24/2022
 Reported: 06/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/23/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 70 S @ 3' (H222706-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2022	ND	2.23	112	2.00	0.894	
Toluene*	<0.050	0.050	06/27/2022	ND	2.25	112	2.00	4.10	
Ethylbenzene*	<0.050	0.050	06/27/2022	ND	2.28	114	2.00	6.27	
Total Xylenes*	<0.150	0.150	06/27/2022	ND	6.90	115	6.00	6.24	
Total BTEx	<0.300	0.300	06/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.0 % 69.9-140

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	06/27/2022	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	06/27/2022	ND	189	94.7	200	0.0412	
DRO >C10-C28*	<10.0	10.0	06/27/2022	ND	198	98.9	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	06/27/2022	ND					

Surrogate: 1-Chlorooctane 104 % 43-149

Surrogate: 1-Chlorooctadecane 120 % 42.5-161

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Analytical Results For:

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

Received: 06/24/2022
 Reported: 06/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/23/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 71 S @ 3' (H222706-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2022	ND	2.23	112	2.00	0.894	
Toluene*	<0.050	0.050	06/27/2022	ND	2.25	112	2.00	4.10	
Ethylbenzene*	<0.050	0.050	06/27/2022	ND	2.28	114	2.00	6.27	
Total Xylenes*	<0.150	0.150	06/27/2022	ND	6.90	115	6.00	6.24	
Total BTEx	<0.300	0.300	06/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.0 % 69.9-140

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	06/27/2022	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	06/27/2022	ND	189	94.7	200	0.0412	
DRO >C10-C28*	<10.0	10.0	06/27/2022	ND	198	98.9	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	06/27/2022	ND					

Surrogate: 1-Chlorooctane 111 % 43-149

Surrogate: 1-Chlorooctadecane 124 % 42.5-161

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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: 06/24/2022
 Reported: 06/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/23/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 72 S @ 3' (H222706-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/27/2022	ND	2.23	112	2.00	0.894		
Toluene*	<0.050	0.050	06/27/2022	ND	2.25	112	2.00	4.10		
Ethylbenzene*	<0.050	0.050	06/27/2022	ND	2.28	114	2.00	6.27		
Total Xylenes*	<0.150	0.150	06/27/2022	ND	6.90	115	6.00	6.24		
Total BTEx	<0.300	0.300	06/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.4 % 69.9-140

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	06/27/2022	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	06/27/2022	ND	189	94.7	200	0.0412	
DRO >C10-C28*	<10.0	10.0	06/27/2022	ND	198	98.9	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	06/27/2022	ND					

Surrogate: 1-Chlorooctane 114 % 43-149

Surrogate: 1-Chlorooctadecane 129 % 42.5-161

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Analytical Results For:

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

Received: 06/24/2022
 Reported: 06/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/23/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 73 N @ 3' (H222706-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2022	ND	2.23	112	2.00	0.894	
Toluene*	<0.050	0.050	06/27/2022	ND	2.25	112	2.00	4.10	
Ethylbenzene*	<0.050	0.050	06/27/2022	ND	2.28	114	2.00	6.27	
Total Xylenes*	<0.150	0.150	06/27/2022	ND	6.90	115	6.00	6.24	
Total BTEx	<0.300	0.300	06/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.8 % 69.9-140

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	06/27/2022	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	06/27/2022	ND	189	94.7	200	0.0412	
DRO >C10-C28*	<10.0	10.0	06/27/2022	ND	198	98.9	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	06/27/2022	ND					

Surrogate: 1-Chlorooctane 117 % 43-149

Surrogate: 1-Chlorooctadecane 135 % 42.5-161

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Analytical Results For:

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

Received: 06/24/2022
 Reported: 06/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/23/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 74 N @ 3' (H222706-11)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/27/2022	ND	2.23	112	2.00	0.894	
Toluene*	<0.050	0.050	06/27/2022	ND	2.25	112	2.00	4.10	
Ethylbenzene*	<0.050	0.050	06/27/2022	ND	2.28	114	2.00	6.27	
Total Xylenes*	<0.150	0.150	06/27/2022	ND	6.90	115	6.00	6.24	
Total BTEx	<0.300	0.300	06/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/27/2022	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	06/27/2022	ND	189	94.7	200	0.0412	
DRO >C10-C28*	<10.0	10.0	06/27/2022	ND	198	98.9	200	0.558	
EXT DRO >C28-C36	<10.0	10.0	06/27/2022	ND					

Surrogate: 1-Chlorooctane 109 % 43-149

Surrogate: 1-Chlorooctadecane 111 % 42.5-161

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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 "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

Page 14 of 15

Page 15 of 15



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

June 30, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 06/28/22 12:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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:

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

Received: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 316 @ 6' (H222762-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2022	ND	2.12	106	2.00	0.205	
Toluene*	<0.050	0.050	06/28/2022	ND	2.09	105	2.00	0.671	
Ethylbenzene*	<0.050	0.050	06/28/2022	ND	2.07	104	2.00	0.117	
Total Xylenes*	<0.150	0.150	06/28/2022	ND	6.28	105	6.00	0.547	
Total BTX	<0.300	0.300	06/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	06/29/2022	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	06/29/2022	ND	187	93.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	196	97.9	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 75.1 % 43-149

Surrogate: 1-Chlorooctadecane 79.8 % 42.5-161

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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: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 317 @ 6' (H222762-02)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/28/2022	ND	2.12	106	2.00	0.205		
Toluene*	<0.050	0.050	06/28/2022	ND	2.09	105	2.00	0.671		
Ethylbenzene*	<0.050	0.050	06/28/2022	ND	2.07	104	2.00	0.117		
Total Xylenes*	<0.150	0.150	06/28/2022	ND	6.28	105	6.00	0.547		
Total BTX	<0.300	0.300	06/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	06/29/2022	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	06/29/2022	ND	187	93.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	196	97.9	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 74.1 % 43-149

Surrogate: 1-Chlorooctadecane 78.9 % 42.5-161

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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: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 315 @ 6' (H222762-03)

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	06/28/2022	ND	2.12	106	2.00	0.205	
Toluene*	<0.050	0.050	06/28/2022	ND	2.09	105	2.00	0.671	
Ethylbenzene*	<0.050	0.050	06/28/2022	ND	2.07	104	2.00	0.117	
Total Xylenes*	<0.150	0.150	06/28/2022	ND	6.28	105	6.00	0.547	
Total BTEx	<0.300	0.300	06/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	06/29/2022	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	06/29/2022	ND	187	93.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	196	97.9	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 74.1 % 43-149

Surrogate: 1-Chlorooctadecane 78.9 % 42.5-161

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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: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 308 @ 6' (H222762-04)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2022	ND	2.12	106	2.00	0.205	
Toluene*	<0.050	0.050	06/28/2022	ND	2.09	105	2.00	0.671	
Ethylbenzene*	<0.050	0.050	06/28/2022	ND	2.07	104	2.00	0.117	
Total Xylenes*	<0.150	0.150	06/28/2022	ND	6.28	105	6.00	0.547	
Total BTEX	<0.300	0.300	06/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	06/29/2022	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	06/29/2022	ND	187	93.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	196	97.9	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 65.6 % 43-149

Surrogate: 1-Chlorooctadecane 70.5 % 42.5-161

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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: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 307 @ 6' (H222762-05)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2022	ND	2.12	106	2.00	0.205	
Toluene*	<0.050	0.050	06/28/2022	ND	2.09	105	2.00	0.671	
Ethylbenzene*	<0.050	0.050	06/28/2022	ND	2.07	104	2.00	0.117	
Total Xylenes*	<0.150	0.150	06/28/2022	ND	6.28	105	6.00	0.547	
Total BTEx	<0.300	0.300	06/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	352	16.0	06/29/2022	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	06/29/2022	ND	187	93.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	196	97.9	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 67.6 % 43-149

Surrogate: 1-Chlorooctadecane 72.8 % 42.5-161

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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: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 306 @ 6' (H222762-06)

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	06/28/2022	ND	2.12	106	2.00	0.205		
Toluene*	<0.050	0.050	06/28/2022	ND	2.09	105	2.00	0.671		
Ethylbenzene*	<0.050	0.050	06/28/2022	ND	2.07	104	2.00	0.117		
Total Xylenes*	<0.150	0.150	06/28/2022	ND	6.28	105	6.00	0.547		
Total BTX	<0.300	0.300	06/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	06/29/2022	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	06/29/2022	ND	187	93.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	196	97.9	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 68.7 % 43-149

Surrogate: 1-Chlorooctadecane 73.7 % 42.5-161

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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: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 296 @ 6' (H222762-07)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/29/2022	ND	2.12	106	2.00	0.205		
Toluene*	<0.050	0.050	06/29/2022	ND	2.09	105	2.00	0.671		
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	104	2.00	0.117		
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.28	105	6.00	0.547		
Total BTX	<0.300	0.300	06/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	06/29/2022	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	06/29/2022	ND	187	93.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	196	97.9	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 74.3 % 43-149

Surrogate: 1-Chlorooctadecane 79.8 % 42.5-161

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 295 @ 6' (H222762-08)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2022	ND	2.12	106	2.00	0.205	
Toluene*	<0.050	0.050	06/29/2022	ND	2.09	105	2.00	0.671	
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	104	2.00	0.117	
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.28	105	6.00	0.547	
Total BTEx	<0.300	0.300	06/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

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	06/29/2022	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	06/29/2022	ND	187	93.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	196	97.9	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 73.2 % 43-149

Surrogate: 1-Chlorooctadecane 78.7 % 42.5-161

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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: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 286 @ 6' (H222762-09)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/29/2022	ND	2.12	106	2.00	0.205		
Toluene*	<0.050	0.050	06/29/2022	ND	2.09	105	2.00	0.671		
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	104	2.00	0.117		
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.28	105	6.00	0.547		
Total BTX	<0.300	0.300	06/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	06/29/2022	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	06/29/2022	ND	187	93.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	196	97.9	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 75.0 % 43-149

Surrogate: 1-Chlorooctadecane 80.3 % 42.5-161

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Analytical Results For:

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

Received: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 287 @ 6' (H222762-10)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/29/2022	ND	2.12	106	2.00	0.205		
Toluene*	<0.050	0.050	06/29/2022	ND	2.09	105	2.00	0.671		
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	104	2.00	0.117		
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.28	105	6.00	0.547		
Total BTEx	<0.300	0.300	06/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	06/29/2022	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	06/29/2022	ND	187	93.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	196	97.9	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 72.4 % 43-149

Surrogate: 1-Chlorooctadecane 77.5 % 42.5-161

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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: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 280 @ 7' (H222762-11)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2022	ND	2.12	106	2.00	0.205	
Toluene*	<0.050	0.050	06/29/2022	ND	2.09	105	2.00	0.671	
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	104	2.00	0.117	
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.28	105	6.00	0.547	
Total BTEx	<0.300	0.300	06/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

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	06/29/2022	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	06/29/2022	ND	187	93.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	196	97.9	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 76.5 % 43-149

Surrogate: 1-Chlorooctadecane 82.6 % 42.5-161

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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: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 279 @ 7' (H222762-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2022	ND	2.08	104	2.00	3.56	
Toluene*	<0.050	0.050	06/28/2022	ND	2.06	103	2.00	2.88	
Ethylbenzene*	<0.050	0.050	06/28/2022	ND	2.07	103	2.00	3.17	
Total Xylenes*	<0.150	0.150	06/28/2022	ND	6.30	105	6.00	3.76	
Total BTEX	<0.300	0.300	06/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	06/29/2022	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	06/29/2022	ND	187	93.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	196	97.9	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 74.0 % 43-149

Surrogate: 1-Chlorooctadecane 79.3 % 42.5-161

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Analytical Results For:

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

Received: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 278 @ 7' (H222762-13)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/28/2022	ND	2.08	104	2.00	3.56	
Toluene*	<0.050	0.050	06/28/2022	ND	2.06	103	2.00	2.88	
Ethylbenzene*	<0.050	0.050	06/28/2022	ND	2.07	103	2.00	3.17	
Total Xylenes*	<0.150	0.150	06/28/2022	ND	6.30	105	6.00	3.76	
Total BTX	<0.300	0.300	06/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	06/29/2022	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	06/29/2022	ND	187	93.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	196	97.9	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 72.4 % 43-149

Surrogate: 1-Chlorooctadecane 77.0 % 42.5-161

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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: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 266 @ 7' (H222762-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/29/2022	ND	2.08	104	2.00	3.56		
Toluene*	<0.050	0.050	06/29/2022	ND	2.06	103	2.00	2.88		
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	103	2.00	3.17		
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.30	105	6.00	3.76		
Total BTEx	<0.300	0.300	06/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	06/29/2022	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	06/29/2022	ND	187	93.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	196	97.9	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 68.7 % 43-149

Surrogate: 1-Chlorooctadecane 73.6 % 42.5-161

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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: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 268 @ 7' (H222762-15)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/29/2022	ND	2.08	104	2.00	3.56		
Toluene*	<0.050	0.050	06/29/2022	ND	2.06	103	2.00	2.88		
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	103	2.00	3.17		
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.30	105	6.00	3.76		
Total BTEx	<0.300	0.300	06/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	06/29/2022	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	06/29/2022	ND	187	93.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	196	97.9	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 68.7 % 43-149

Surrogate: 1-Chlorooctadecane 73.6 % 42.5-161

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Analytical Results For:

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

Received: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 267 @ 7' (H222762-16)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/29/2022	ND	2.08	104	2.00	3.56		
Toluene*	<0.050	0.050	06/29/2022	ND	2.06	103	2.00	2.88		
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	103	2.00	3.17		
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.30	105	6.00	3.76		
Total BTEx	<0.300	0.300	06/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	06/29/2022	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	06/29/2022	ND	187	93.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	196	97.9	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 67.8 % 43-149

Surrogate: 1-Chlorooctadecane 72.6 % 42.5-161

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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: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 258 @ 7' (H222762-17)

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	06/29/2022	ND	2.08	104	2.00	3.56	
Toluene*	<0.050	0.050	06/29/2022	ND	2.06	103	2.00	2.88	
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	103	2.00	3.17	
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.30	105	6.00	3.76	
Total BTX	<0.300	0.300	06/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	368	16.0	06/29/2022	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	06/29/2022	ND	187	93.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	196	97.9	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 66.3 % 43-149

Surrogate: 1-Chlorooctadecane 70.7 % 42.5-161

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Analytical Results For:

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

Received: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 259 @ 7' (H222762-18)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2022	ND	2.08	104	2.00	3.56	
Toluene*	<0.050	0.050	06/29/2022	ND	2.06	103	2.00	2.88	
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	103	2.00	3.17	
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.30	105	6.00	3.76	
Total BTEx	<0.300	0.300	06/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	06/29/2022	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	06/29/2022	ND	187	93.3	200	2.16	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	196	97.9	200	4.57	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 75.7 % 43-149

Surrogate: 1-Chlorooctadecane 81.2 % 42.5-161

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Analytical Results For:

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

Received: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 257 @ 7' (H222762-19)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2022	ND	2.08	104	2.00	3.56	
Toluene*	<0.050	0.050	06/29/2022	ND	2.06	103	2.00	2.88	
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	103	2.00	3.17	
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.30	105	6.00	3.76	
Total BTEx	<0.300	0.300	06/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	06/29/2022	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	06/29/2022	ND	230	115	200	4.20	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	238	119	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 43-149

Surrogate: 1-Chlorooctadecane 86.2 % 42.5-161

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Analytical Results For:

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

Received: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 256 @ 8' (H222762-20)

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	06/29/2022	ND	2.08	104	2.00	3.56		
Toluene*	<0.050	0.050	06/29/2022	ND	2.06	103	2.00	2.88		
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	103	2.00	3.17		
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.30	105	6.00	3.76		
Total BTEx	<0.300	0.300	06/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	06/29/2022	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	06/29/2022	ND	230	115	200	4.20	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	238	119	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 91.4 % 43-149

Surrogate: 1-Chlorooctadecane 97.3 % 42.5-161

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Analytical Results For:

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

Received: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 246 @ 8' (H222762-21)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2022	ND	2.08	104	2.00	3.56	
Toluene*	<0.050	0.050	06/29/2022	ND	2.06	103	2.00	2.88	
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	103	2.00	3.17	
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.30	105	6.00	3.76	
Total BTX	<0.300	0.300	06/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

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	06/29/2022	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	06/29/2022	ND	230	115	200	4.20	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	238	119	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 97.7 % 43-149

Surrogate: 1-Chlorooctadecane 99.9 % 42.5-161

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Analytical Results For:

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

Received: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 245 @ 8' (H222762-22)

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	06/29/2022	ND	2.08	104	2.00	3.56	
Toluene*	<0.050	0.050	06/29/2022	ND	2.06	103	2.00	2.88	
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	103	2.00	3.17	
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.30	105	6.00	3.76	
Total BTEX	<0.300	0.300	06/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	06/29/2022	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	06/29/2022	ND	230	115	200	4.20	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	238	119	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 91.2 % 43-149

Surrogate: 1-Chlorooctadecane 93.5 % 42.5-161

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Analytical Results For:

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

Received: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 235 @ 8' (H222762-23)

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	06/29/2022	ND	2.08	104	2.00	3.56		
Toluene*	<0.050	0.050	06/29/2022	ND	2.06	103	2.00	2.88		
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	103	2.00	3.17		
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.30	105	6.00	3.76		
Total BTEx	<0.300	0.300	06/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	06/29/2022	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	06/29/2022	ND	230	115	200	4.20	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	238	119	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 94.1 % 43-149

Surrogate: 1-Chlorooctadecane 96.6 % 42.5-161

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Analytical Results For:

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

Received: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 234 @ 8' (H222762-24)

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	06/29/2022	ND	2.08	104	2.00	3.56	
Toluene*	<0.050	0.050	06/29/2022	ND	2.06	103	2.00	2.88	
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	103	2.00	3.17	
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.30	105	6.00	3.76	
Total BTX	<0.300	0.300	06/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	06/29/2022	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	06/29/2022	ND	230	115	200	4.20	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	238	119	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 86.2 % 43-149

Surrogate: 1-Chlorooctadecane 88.4 % 42.5-161

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Analytical Results For:

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

Received: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 233 @ 8' (H222762-25)

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	06/29/2022	ND	2.08	104	2.00	3.56		
Toluene*	<0.050	0.050	06/29/2022	ND	2.06	103	2.00	2.88		
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	103	2.00	3.17		
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.30	105	6.00	3.76		
Total BTEx	<0.300	0.300	06/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	06/29/2022	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	06/29/2022	ND	230	115	200	4.20	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	238	119	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 86.7 % 43-149

Surrogate: 1-Chlorooctadecane 89.8 % 42.5-161

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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: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 232 @ 8' (H222762-26)

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	06/29/2022	ND	2.08	104	2.00	3.56		
Toluene*	<0.050	0.050	06/29/2022	ND	2.06	103	2.00	2.88		
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	103	2.00	3.17		
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.30	105	6.00	3.76		
Total BTEx	<0.300	0.300	06/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	06/29/2022	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	06/29/2022	ND	230	115	200	4.20	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	238	119	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 86.5 % 43-149

Surrogate: 1-Chlorooctadecane 88.9 % 42.5-161

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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:	06/28/2022	Sampling Date:	06/27/2022
Reported:	06/30/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: WALL - 75 N @ 4' (H222762-27)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	06/29/2022	ND	2.08	104	2.00	3.56	
Toluene*	<0.050	0.050	06/29/2022	ND	2.06	103	2.00	2.88	
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	103	2.00	3.17	
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.30	105	6.00	3.76	
Total BTX	<0.300	0.300	06/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

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	06/29/2022	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	06/29/2022	ND	230	115	200	4.20	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	238	119	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 89.9 % 43-149

Surrogate: 1-Chlorooctadecane 92.6 % 42.5-161

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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: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 76 N @ 4' (H222762-28)

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	06/29/2022	ND	2.08	104	2.00	3.56		
Toluene*	<0.050	0.050	06/29/2022	ND	2.06	103	2.00	2.88		
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	103	2.00	3.17		
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.30	105	6.00	3.76		
Total BTEx	<0.300	0.300	06/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

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	06/29/2022	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	06/29/2022	ND	230	115	200	4.20	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	238	119	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 85.1 % 43-149

Surrogate: 1-Chlorooctadecane 88.2 % 42.5-161

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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: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 77 N @ 4' (H222762-29)

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	06/29/2022	ND	2.08	104	2.00	3.56		
Toluene*	<0.050	0.050	06/29/2022	ND	2.06	103	2.00	2.88		
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	103	2.00	3.17		
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.30	105	6.00	3.76		
Total BTEx	<0.300	0.300	06/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

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	06/29/2022	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	06/29/2022	ND	230	115	200	4.20	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	238	119	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 89.2 % 43-149

Surrogate: 1-Chlorooctadecane 93.8 % 42.5-161

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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: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 78 N @ 4' (H222762-30)

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	06/29/2022	ND	2.08	104	2.00	3.56		
Toluene*	<0.050	0.050	06/29/2022	ND	2.06	103	2.00	2.88		
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	103	2.00	3.17		
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.30	105	6.00	3.76		
Total BTEx	<0.300	0.300	06/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	06/29/2022	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	06/29/2022	ND	230	115	200	4.20	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	238	119	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 83.3 % 43-149

Surrogate: 1-Chlorooctadecane 84.5 % 42.5-161

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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: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 79 N @ 4' (H222762-31)

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	06/29/2022	ND	2.08	104	2.00	3.56		
Toluene*	<0.050	0.050	06/29/2022	ND	2.06	103	2.00	2.88		
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	2.07	103	2.00	3.17		
Total Xylenes*	<0.150	0.150	06/29/2022	ND	6.30	105	6.00	3.76		
Total BTEx	<0.300	0.300	06/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

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	06/29/2022	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	06/29/2022	ND	230	115	200	4.20	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	238	119	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 92.8 % 43-149

Surrogate: 1-Chlorooctadecane 94.4 % 42.5-161

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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: 06/28/2022
 Reported: 06/30/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/27/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 80 N @ 4' (H222762-32)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	06/29/2022	ND	2.00	100	2.00	6.39		
Toluene*	<0.050	0.050	06/29/2022	ND	2.09	104	2.00	7.09		
Ethylbenzene*	<0.050	0.050	06/29/2022	ND	1.99	99.5	2.00	8.60		
Total Xylenes*	<0.150	0.150	06/29/2022	ND	5.87	97.9	6.00	9.43		
Total BTEx	<0.300	0.300	06/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

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	06/29/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/29/2022	ND	230	115	200	4.20	
DRO >C10-C28*	<10.0	10.0	06/29/2022	ND	238	119	200	6.68	
EXT DRO >C28-C36	<10.0	10.0	06/29/2022	ND					

Surrogate: 1-Chlorooctane 97.7 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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Notes and Definitions

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 35 of 38

CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	
Company Name: Trinity Oilfield Services Project Manager: Dan Dunkelberg Address: 8426 N Dal Paso City: Hobbs State: NM Zip: 88241 Phone #: Fax #: Project #: Project Owner: (see below) Project Location: YARDBIRDS 34 WZNC RISER dan@trinityoilfieldservices.com Project Name: Eddy Co., NM Sampler Name: KA		BILL TO P.O. #: Company: Mewbourne Oil Co. Attn: Robbie Runnels Address: City: State: Zip: Phone #: Fax #:	
FOR LAB USE ONLY Lab I.D. H2337162 Sample I.D.		ANALYSIS REQUEST	
(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE ICE / COOL OTHER :		DATE TIME Chloride TPH BTEX	
11 PR-280 @ 7' C 1 X 12 PR-279 @ 7' C 1 X 13 PR-278 @ 7' C 1 X 14 PR-266 @ 7' C 1 X 15 PR-268 @ 7' C 1 X 16 PR-267 @ 7' C 1 X 17 PR-258 @ 7' C 1 X 18 PR-259 @ 7' C 1 X 19 PR-257 @ 7' C 1 X 20 PR-256 @ 8' C 1 X		6/27/2022 1005 X 6/27/2022 1010 X 6/27/2022 1015 X 6/27/2022 1020 X 6/27/2022 1025 X 6/27/2022 1030 X 6/27/2022 1035 X 6/27/2022 1040 X 6/27/2022 1045 X 6/27/2022 1050 X	
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 the client for the analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.			
Relinquished By: Date: 6/28/22 Time: 12:45 Received By: Date: Time:		Verbal Result: All Results are emailed. Please provide Email address: Add'l Phone #:	
Delivered By: (Circle One) UPS - Bus - Other:		Sample Condition Cool Intact <input checked="" type="checkbox"/> Corrected Temp. °C: -7.1 Checked By: (Initials) Turnaround Time: Thermometer ID #113 Correction Factor -0.5 °C	
Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Observed Temp. °C: Corrected Temp. °C:		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Observed Temp. °C: Corrected Temp. °C:	

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CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	
Company Name: Trinity Oilfield Services Project Manager: Dan Dunkelberg Address: 8426 N Dal Paso City: Hobbs State: NM Zip: 88241 Phone #: Fax #: Project Name: YARDBIRDS 34 WZNC RISER Project Location: Eddy Co., NM Project Owner: (see below) dan@trinityoilfieldservices.com Sample Name: KA		P.O. #: Company: Mewbourne Oil Co. Attn: Robbe Runnels Address: City: State: Zip: Phone #: Fax #: BILL TO	
FROM LAB USE ONLY Lab I.D. 4223762 Sample I.D.		ANALYSIS REQUEST	
(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		DATE TIME	
MATRIX PRESERV. SAMPLING		Chloride TPH BTEX	
PR-246 @ 8' PR-245 @ 8' PR-235 @ 8' PR-234 @ 8' PR-233 @ 8' PR-232 @ 8' Wall-75 N @ 4' Wall-76 N @ 4' Wall-77 N @ 4' Wall-78 N @ 4'		6/27/2022 1055 6/27/2022 1100 6/27/2022 1105 6/27/2022 1110 6/27/2022 1115 6/27/2022 1120 6/27/2022 1125 6/27/2022 1130 6/27/2022 1135 6/27/2022 1140	
RECEIVED BY: [Signature] Date: 6-28-22 Time: 12:45		Verbal Result: Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:	
RELINQUISHED BY: [Signature] Date: Time:		REMARKS:	
Delivered By: (Circle One) UPS - Bus - Other:		Observed Temp. °C Corrected Temp. °C Sample Condition Cool Intact <input checked="" type="checkbox"/> Checked By: [Signature] Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Observed Temp. °C Corrected Temp. °C	

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

Page 38 of 38



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

July 05, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 06/30/22 12:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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:

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

Received: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 423 @ 5.5' (H222807-01)

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	07/01/2022	ND	2.06	103	2.00	4.06	
Toluene*	<0.050	0.050	07/01/2022	ND	2.05	102	2.00	3.80	
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	2.04	102	2.00	4.60	
Total Xylenes*	<0.150	0.150	07/01/2022	ND	6.20	103	6.00	4.70	
Total BTEX	<0.300	0.300	07/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

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	07/01/2022	ND	416	104	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	06/30/2022	ND	214	107	200	0.614	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	211	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 90.5 % 43-149

Surrogate: 1-Chlorooctadecane 91.7 % 42.5-161

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 427 @ 5.5' (H222807-02)

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	07/01/2022	ND	2.06	103	2.00	4.06	
Toluene*	<0.050	0.050	07/01/2022	ND	2.05	102	2.00	3.80	
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	2.04	102	2.00	4.60	
Total Xylenes*	<0.150	0.150	07/01/2022	ND	6.20	103	6.00	4.70	
Total BTX	<0.300	0.300	07/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	07/01/2022	ND	416	104	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	06/30/2022	ND	214	107	200	0.614	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	211	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 84.3 % 43-149

Surrogate: 1-Chlorooctadecane 85.4 % 42.5-161

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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: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 428 @ 5.5' (H222807-03)

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	07/01/2022	ND	2.06	103	2.00	4.06		
Toluene*	<0.050	0.050	07/01/2022	ND	2.05	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	2.04	102	2.00	4.60		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	6.20	103	6.00	4.70		
Total BTEx	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/01/2022	ND	416	104	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	06/30/2022	ND	214	107	200	0.614	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	211	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 85.0 % 43-149

Surrogate: 1-Chlorooctadecane 86.2 % 42.5-161

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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: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 433 @ 5.5' (H222807-04)

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	07/01/2022	ND	2.06	103	2.00	4.06		
Toluene*	<0.050	0.050	07/01/2022	ND	2.05	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	2.04	102	2.00	4.60		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	6.20	103	6.00	4.70		
Total BTEx	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

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	07/01/2022	ND	416	104	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	06/30/2022	ND	214	107	200	0.614	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	211	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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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: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 434 @ 5.5' (H222807-05)

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	07/01/2022	ND	2.06	103	2.00	4.06	
Toluene*	<0.050	0.050	07/01/2022	ND	2.05	102	2.00	3.80	
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	2.04	102	2.00	4.60	
Total Xylenes*	<0.150	0.150	07/01/2022	ND	6.20	103	6.00	4.70	
Total BTEx	<0.300	0.300	07/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	07/01/2022	ND	416	104	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	06/30/2022	ND	214	107	200	0.614	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	211	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 90.2 % 43-149

Surrogate: 1-Chlorooctadecane 89.5 % 42.5-161

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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: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 219 @ 6' (H222807-06)

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	07/01/2022	ND	2.06	103	2.00	4.06		
Toluene*	<0.050	0.050	07/01/2022	ND	2.05	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	2.04	102	2.00	4.60		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	6.20	103	6.00	4.70		
Total BTEx	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	07/01/2022	ND	416	104	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	06/30/2022	ND	214	107	200	0.614	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	211	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 94.4 % 43-149

Surrogate: 1-Chlorooctadecane 93.8 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 218 @ 6' (H222807-07)

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	07/01/2022	ND	2.06	103	2.00	4.06		
Toluene*	<0.050	0.050	07/01/2022	ND	2.05	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	2.04	102	2.00	4.60		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	6.20	103	6.00	4.70		
Total BTEx	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	07/01/2022	ND	416	104	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	06/30/2022	ND	214	107	200	0.614	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	211	105	200	2.70	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 91.1 % 43-149

Surrogate: 1-Chlorooctadecane 90.4 % 42.5-161

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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: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 211 @ 8' (H222807-08)

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	07/01/2022	ND	2.06	103	2.00	4.06		
Toluene*	<0.050	0.050	07/01/2022	ND	2.05	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	2.04	102	2.00	4.60		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	6.20	103	6.00	4.70		
Total BTEx	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	07/01/2022	ND	416	104	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	06/30/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 77.3 % 43-149

Surrogate: 1-Chlorooctadecane 82.2 % 42.5-161

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Analytical Results For:

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

Received: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 210 @ 6' (H222807-09)

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	07/01/2022	ND	2.06	103	2.00	4.06		
Toluene*	<0.050	0.050	07/01/2022	ND	2.05	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	2.04	102	2.00	4.60		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	6.20	103	6.00	4.70		
Total BTEx	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	07/01/2022	ND	416	104	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	06/30/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 76.2 % 43-149

Surrogate: 1-Chlorooctadecane 81.3 % 42.5-161

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Analytical Results For:

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

Received: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 204 @ 8' (H222807-10)

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	07/01/2022	ND	2.06	103	2.00	4.06	
Toluene*	<0.050	0.050	07/01/2022	ND	2.05	102	2.00	3.80	
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	2.04	102	2.00	4.60	
Total Xylenes*	<0.150	0.150	07/01/2022	ND	6.20	103	6.00	4.70	
Total BTEx	<0.300	0.300	07/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	07/01/2022	ND	416	104	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	06/30/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 73.6 % 43-149

Surrogate: 1-Chlorooctadecane 79.2 % 42.5-161

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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: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 203 @ 6' (H222807-11)

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	07/01/2022	ND	2.06	103	2.00	4.06		
Toluene*	<0.050	0.050	07/01/2022	ND	2.05	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	2.04	102	2.00	4.60		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	6.20	103	6.00	4.70		
Total BTEx	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/01/2022	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 80.2 % 43-149

Surrogate: 1-Chlorooctadecane 85.5 % 42.5-161

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Analytical Results For:

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

Received: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 196 @ 6' (H222807-12)

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	07/01/2022	ND	2.06	103	2.00	4.06	
Toluene*	<0.050	0.050	07/01/2022	ND	2.05	102	2.00	3.80	
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	2.04	102	2.00	4.60	
Total Xylenes*	<0.150	0.150	07/01/2022	ND	6.20	103	6.00	4.70	
Total BTX	<0.300	0.300	07/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/01/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 66.1 % 43-149

Surrogate: 1-Chlorooctadecane 70.3 % 42.5-161

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Analytical Results For:

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

Received: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 195 @ 8' (H222807-13)

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	07/01/2022	ND	2.06	103	2.00	4.06		
Toluene*	<0.050	0.050	07/01/2022	ND	2.05	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	2.04	102	2.00	4.60		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	6.20	103	6.00	4.70		
Total BTEx	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	07/01/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 77.6 % 43-149

Surrogate: 1-Chlorooctadecane 83.2 % 42.5-161

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Analytical Results For:

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

Received: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 189 @ 8' (H222807-14)

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	07/01/2022	ND	2.06	103	2.00	4.06		
Toluene*	<0.050	0.050	07/01/2022	ND	2.05	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	2.04	102	2.00	4.60		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	6.20	103	6.00	4.70		
Total BTEx	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	07/01/2022	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 69.0 % 43-149

Surrogate: 1-Chlorooctadecane 74.0 % 42.5-161

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Analytical Results For:

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

Received: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 188 @ 6' (H222807-15)

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	07/01/2022	ND	2.06	103	2.00	4.06		
Toluene*	<0.050	0.050	07/01/2022	ND	2.05	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	2.04	102	2.00	4.60		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	6.20	103	6.00	4.70		
Total BTEx	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	07/01/2022	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 74.3 % 43-149

Surrogate: 1-Chlorooctadecane 78.9 % 42.5-161

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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: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 181 @ 6' (H222807-16)

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	07/01/2022	ND	2.06	103	2.00	4.06		
Toluene*	<0.050	0.050	07/01/2022	ND	2.05	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	2.04	102	2.00	4.60		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	6.20	103	6.00	4.70		
Total BTEx	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

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	07/01/2022	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 80.6 % 43-149

Surrogate: 1-Chlorooctadecane 86.9 % 42.5-161

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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: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 180 @ 14' (H222807-17)

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	07/01/2022	ND	2.06	103	2.00	4.06		
Toluene*	<0.050	0.050	07/01/2022	ND	2.05	102	2.00	3.80		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	2.04	102	2.00	4.60		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	6.20	103	6.00	4.70		
Total BTEX	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

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	07/01/2022	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 79.4 % 43-149

Surrogate: 1-Chlorooctadecane 85.6 % 42.5-161

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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: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 174 @ 6' (H222807-18)

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	07/01/2022	ND	1.98	99.1	2.00	0.255		
Toluene*	<0.050	0.050	07/01/2022	ND	2.08	104	2.00	0.832		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	1.98	98.9	2.00	1.08		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	5.85	97.6	6.00	1.05		
Total BTEx	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	07/01/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 74.7 % 43-149

Surrogate: 1-Chlorooctadecane 80.5 % 42.5-161

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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: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 173 @ 6' (H222807-19)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/01/2022	ND	1.98	99.1	2.00	0.255		
Toluene*	<0.050	0.050	07/01/2022	ND	2.08	104	2.00	0.832		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	1.98	98.9	2.00	1.08		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	5.85	97.6	6.00	1.05		
Total BTX	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	07/01/2022	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 77.7 % 43-149

Surrogate: 1-Chlorooctadecane 83.7 % 42.5-161

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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:	06/30/2022	Sampling Date:	06/28/2022
Reported:	07/05/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: PR - 166 @ 6' (H222807-20)

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	07/01/2022	ND	1.98	99.1	2.00	0.255	
Toluene*	<0.050	0.050	07/01/2022	ND	2.08	104	2.00	0.832	
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	1.98	98.9	2.00	1.08	
Total Xylenes*	<0.150	0.150	07/01/2022	ND	5.85	97.6	6.00	1.05	
Total BTX	<0.300	0.300	07/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	07/01/2022	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	06/30/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	06/30/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	06/30/2022	ND					

Surrogate: 1-Chlorooctane 75.6 % 43-149

Surrogate: 1-Chlorooctadecane 82.1 % 42.5-161

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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:	06/30/2022	Sampling Date:	06/28/2022
Reported:	07/05/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: WALL - 81 N @ 4' (H222807-21)

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	07/01/2022	ND	1.98	99.1	2.00	0.255		
Toluene*	<0.050	0.050	07/01/2022	ND	2.08	104	2.00	0.832		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	1.98	98.9	2.00	1.08		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	5.85	97.6	6.00	1.05		
Total BTEx	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	07/01/2022	ND	448	112	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	07/01/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/01/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	07/01/2022	ND					

Surrogate: 1-Chlorooctane 79.5 % 43-149

Surrogate: 1-Chlorooctadecane 85.8 % 42.5-161

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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: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 82 N @ 4' (H222807-22)

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	07/01/2022	ND	1.98	99.1	2.00	0.255	
Toluene*	<0.050	0.050	07/01/2022	ND	2.08	104	2.00	0.832	
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	1.98	98.9	2.00	1.08	
Total Xylenes*	<0.150	0.150	07/01/2022	ND	5.85	97.6	6.00	1.05	
Total BTEx	<0.300	0.300	07/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

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	07/01/2022	ND	448	112	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	07/01/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/01/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	07/01/2022	ND					

Surrogate: 1-Chlorooctane 70.8 % 43-149

Surrogate: 1-Chlorooctadecane 75.8 % 42.5-161

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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: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 83 N @ 4' (H222807-23)

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	07/01/2022	ND	1.98	99.1	2.00	0.255		
Toluene*	<0.050	0.050	07/01/2022	ND	2.08	104	2.00	0.832		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	1.98	98.9	2.00	1.08		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	5.85	97.6	6.00	1.05		
Total BTEx	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	07/01/2022	ND	448	112	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	07/01/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/01/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	07/01/2022	ND					

Surrogate: 1-Chlorooctane 77.8 % 43-149

Surrogate: 1-Chlorooctadecane 83.0 % 42.5-161

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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: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 84 N @ 4' (H222807-24)

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	07/01/2022	ND	1.98	99.1	2.00	0.255		
Toluene*	<0.050	0.050	07/01/2022	ND	2.08	104	2.00	0.832		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	1.98	98.9	2.00	1.08		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	5.85	97.6	6.00	1.05		
Total BTEx	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	07/01/2022	ND	448	112	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	07/01/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/01/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	07/01/2022	ND					

Surrogate: 1-Chlorooctane 68.7 % 43-149

Surrogate: 1-Chlorooctadecane 73.2 % 42.5-161

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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:	06/30/2022	Sampling Date:	06/28/2022
Reported:	07/05/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: WALL - 85 N @ 4' (H222807-25)

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	07/01/2022	ND	1.98	99.1	2.00	0.255		
Toluene*	<0.050	0.050	07/01/2022	ND	2.08	104	2.00	0.832		
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	1.98	98.9	2.00	1.08		
Total Xylenes*	<0.150	0.150	07/01/2022	ND	5.85	97.6	6.00	1.05		
Total BTEx	<0.300	0.300	07/01/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	07/01/2022	ND	448	112	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	07/01/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/01/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	07/01/2022	ND					

Surrogate: 1-Chlorooctane 64.1 % 43-149

Surrogate: 1-Chlorooctadecane 68.7 % 42.5-161

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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: 06/30/2022
 Reported: 07/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 06/28/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 86 N @ 4' (H222807-26)

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	07/01/2022	ND	1.98	99.1	2.00	0.255	
Toluene*	<0.050	0.050	07/01/2022	ND	2.08	104	2.00	0.832	
Ethylbenzene*	<0.050	0.050	07/01/2022	ND	1.98	98.9	2.00	1.08	
Total Xylenes*	<0.150	0.150	07/01/2022	ND	5.85	97.6	6.00	1.05	
Total BTEx	<0.300	0.300	07/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	07/01/2022	ND	448	112	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	07/01/2022	ND	180	90.1	200	1.61	
DRO >C10-C28*	<10.0	10.0	07/01/2022	ND	177	88.6	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	07/01/2022	ND					

Surrogate: 1-Chlorooctane 75.9 % 43-149

Surrogate: 1-Chlorooctadecane 81.9 % 42.5-161

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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 "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

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

CARDINAL Laboratories															101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476															CHAIN-OF-CUSTODY AND ANALYSIS REQUEST																																												
Company Name: Trinity Oilfield Services															BILL TO															ANALYSIS REQUEST																																												
Project Manager: Dan Dunkelberg															P.O. #:															Empty space for analysis request details																																												
Address: 8426 N Dal Paso															Company: Mewbourne Oil Co.																																																											
City: Hobbs															Attn: Robbie Runnels																																																											
Phone #:															Address:																																																											
Project #:															City:																																																											
Project Name: YARDBIRDS 34 WZNC RISER															State:																														Zip:																													
Project Location: Eddy Co., NM															Phone #:																																																											
Sampler Name: KA															Fax #:																																																											
FOR LAB USE ONLY															LABORATORY USE ONLY																																																											
Lab I.D.															Sample I.D.															MATRIX															PRESERV.															SAMPLING														
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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: Mewbourne Oil Co.																																					
City: Hobbs		State: NM Zip: 88241		Attn: Robbie Runnels																																					
Phone #:		Fax #:		Address:																																					
Project #:		Project Owner: (see below)		City:																																					
Project Name: YARDBIRDS 34 W2NC RISER		dan@trinityoilfieldservices.com		State: Zip:																																					
Project Location: Eddy Co., NM				Phone #:																																					
Sampler Name: KA				Fax #:																																					
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																																	
Lab I.D.		Sample I.D.		(GIRAB OR (COMP. # CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		SLUDGE		OTHER:		ACID/BASE: ICE / COOL		OTHER:		DATE		TIME		Chloride		TPH		BTEX													
21		Wall-81 N @ 4'		C 1		X														6/28/2022		1055		X		X		X													
32		Wall-82 N @ 4'		C 1		X														6/28/2022		1100		X		X		X													
23		Wall-83 N @ 4'		C 1		X														6/28/2022		1105		X		X		X													
24		Wall-84 N @ 4'		C 1		X														6/28/2022		1110		X		X		X													
25		Wall-85 N @ 4'		C 1		X														6/28/2022		1115		X		X		X													
26		Wall-86 N @ 4'		C 1		X														6/28/2022		1120		X		X		X													
				1		X																		X		X		X													
				1		X																		X		X		X													
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Relinquished By:	Date: 6-30-22	Received By:	Verbal Result:	Yes	No	Add'l Phone #:
	Time: 1205		All Results are emailed. Please provide Email address:			
Relinquished By:	Date:	Received By:	REMARKS:			
	Time:					

Delivered By: (Circle One)	Observed Temp. °C 4.9	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard X	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C 4.4	Cool Intact Yes Yes No No	YO	Thermometer ID #113	Rush	Cool Intact Observed Temp. °C
				Correction Factor -0.5 °C		Cool Intact Observed 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

July 06, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 07/01/22 14:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-21-14. 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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/01/2022
 Reported: 07/06/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 384 @ 5' (H222846-01)

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	07/05/2022	ND	2.00	99.8	2.00	6.40	
Toluene*	0.097	0.050	07/05/2022	ND	2.09	104	2.00	6.39	
Ethylbenzene*	<0.050	0.050	07/05/2022	ND	1.99	99.5	2.00	4.89	
Total Xylenes*	<0.150	0.150	07/05/2022	ND	5.87	97.9	6.00	4.62	
Total BTEX	<0.300	0.300	07/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	07/05/2022	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	07/05/2022	ND	179	89.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/05/2022	ND	189	94.4	200	0.816	
EXT DRO >C28-C36	<10.0	10.0	07/05/2022	ND					

Surrogate: 1-Chlorooctane 68.7 % 43-149

Surrogate: 1-Chlorooctadecane 73.0 % 42.5-161

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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: 07/01/2022
 Reported: 07/06/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 385 @ 5' (H222846-02)

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	07/05/2022	ND	2.00	99.8	2.00	6.40		
Toluene*	0.069	0.050	07/05/2022	ND	2.09	104	2.00	6.39		
Ethylbenzene*	<0.050	0.050	07/05/2022	ND	1.99	99.5	2.00	4.89		
Total Xylenes*	<0.150	0.150	07/05/2022	ND	5.87	97.9	6.00	4.62		
Total BTX	<0.300	0.300	07/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	07/05/2022	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	07/05/2022	ND	179	89.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/05/2022	ND	189	94.4	200	0.816	
EXT DRO >C28-C36	<10.0	10.0	07/05/2022	ND					

Surrogate: 1-Chlorooctane 60.7 % 43-149

Surrogate: 1-Chlorooctadecane 64.3 % 42.5-161

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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: 07/01/2022
 Reported: 07/06/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 386 @ 5' (H222846-03)

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	07/05/2022	ND	2.00	99.8	2.00	6.40	
Toluene*	0.105	0.050	07/05/2022	ND	2.09	104	2.00	6.39	
Ethylbenzene*	<0.050	0.050	07/05/2022	ND	1.99	99.5	2.00	4.89	
Total Xylenes*	<0.150	0.150	07/05/2022	ND	5.87	97.9	6.00	4.62	
Total BTX	<0.300	0.300	07/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

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	07/05/2022	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	07/05/2022	ND	179	89.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/05/2022	ND	189	94.4	200	0.816	
EXT DRO >C28-C36	<10.0	10.0	07/05/2022	ND					

Surrogate: 1-Chlorooctane 64.2 % 43-149

Surrogate: 1-Chlorooctadecane 68.6 % 42.5-161

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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: 07/01/2022
 Reported: 07/06/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 379 @ 4' (H222846-04)

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	07/05/2022	ND	1.89	94.6	2.00	4.86		
Toluene*	<0.050	0.050	07/05/2022	ND	1.99	99.3	2.00	5.26		
Ethylbenzene*	<0.050	0.050	07/05/2022	ND	1.86	92.8	2.00	5.55		
Total Xylenes*	<0.150	0.150	07/05/2022	ND	5.40	90.0	6.00	6.04		
Total BTEx	<0.300	0.300	07/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.9-140

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	07/05/2022	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	07/05/2022	ND	179	89.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/05/2022	ND	189	94.4	200	0.816	
EXT DRO >C28-C36	<10.0	10.0	07/05/2022	ND					

Surrogate: 1-Chlorooctane 67.8 % 43-149

Surrogate: 1-Chlorooctadecane 73.4 % 42.5-161

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Analytical Results For:

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

Received: 07/01/2022
 Reported: 07/06/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 378 @ 4' (H222846-05)

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	07/05/2022	ND	1.89	94.6	2.00	4.86		
Toluene*	<0.050	0.050	07/05/2022	ND	1.99	99.3	2.00	5.26		
Ethylbenzene*	<0.050	0.050	07/05/2022	ND	1.86	92.8	2.00	5.55		
Total Xylenes*	<0.150	0.150	07/05/2022	ND	5.40	90.0	6.00	6.04		
Total BTX	<0.300	0.300	07/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	07/05/2022	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	07/05/2022	ND	179	89.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/05/2022	ND	189	94.4	200	0.816	
EXT DRO >C28-C36	<10.0	10.0	07/05/2022	ND					

Surrogate: 1-Chlorooctane 66.5 % 43-149

Surrogate: 1-Chlorooctadecane 70.9 % 42.5-161

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Analytical Results For:

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

Received: 07/01/2022
 Reported: 07/06/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 377 @ 4' (H222846-06)

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	07/05/2022	ND	1.89	94.6	2.00	4.86		
Toluene*	<0.050	0.050	07/05/2022	ND	1.99	99.3	2.00	5.26		
Ethylbenzene*	<0.050	0.050	07/05/2022	ND	1.86	92.8	2.00	5.55		
Total Xylenes*	<0.150	0.150	07/05/2022	ND	5.40	90.0	6.00	6.04		
Total BTX	<0.300	0.300	07/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

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	07/05/2022	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	07/05/2022	ND	179	89.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/05/2022	ND	189	94.4	200	0.816	
EXT DRO >C28-C36	<10.0	10.0	07/05/2022	ND					

Surrogate: 1-Chlorooctane 57.2 % 43-149

Surrogate: 1-Chlorooctadecane 60.7 % 42.5-161

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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: 07/01/2022
 Reported: 07/06/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 87 N @ 4' (H222846-07)

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	07/05/2022	ND	1.89	94.6	2.00	4.86		
Toluene*	<0.050	0.050	07/05/2022	ND	1.99	99.3	2.00	5.26		
Ethylbenzene*	<0.050	0.050	07/05/2022	ND	1.86	92.8	2.00	5.55		
Total Xylenes*	<0.150	0.150	07/05/2022	ND	5.40	90.0	6.00	6.04		
Total BTEx	<0.300	0.300	07/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	07/05/2022	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	07/05/2022	ND	179	89.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/05/2022	ND	189	94.4	200	0.816	
EXT DRO >C28-C36	<10.0	10.0	07/05/2022	ND					

Surrogate: 1-Chlorooctane 65.9 % 43-149

Surrogate: 1-Chlorooctadecane 70.0 % 42.5-161

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Analytical Results For:

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

Received: 07/01/2022
 Reported: 07/06/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 44 S @ 2' (H222846-08)

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	07/05/2022	ND	1.89	94.6	2.00	4.86		
Toluene*	0.052	0.050	07/05/2022	ND	1.99	99.3	2.00	5.26		
Ethylbenzene*	<0.050	0.050	07/05/2022	ND	1.86	92.8	2.00	5.55		
Total Xylenes*	<0.150	0.150	07/05/2022	ND	5.40	90.0	6.00	6.04		
Total BTEx	<0.300	0.300	07/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 69.9-140

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	07/05/2022	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	07/05/2022	ND	179	89.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/05/2022	ND	189	94.4	200	0.816	
EXT DRO >C28-C36	<10.0	10.0	07/05/2022	ND					

Surrogate: 1-Chlorooctane 63.5 % 43-149

Surrogate: 1-Chlorooctadecane 67.6 % 42.5-161

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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: 07/01/2022
 Reported: 07/06/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 43 S @ 2' (H222846-09)

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	07/05/2022	ND	1.89	94.6	2.00	4.86		
Toluene*	0.072	0.050	07/05/2022	ND	1.99	99.3	2.00	5.26		
Ethylbenzene*	<0.050	0.050	07/05/2022	ND	1.86	92.8	2.00	5.55		
Total Xylenes*	<0.150	0.150	07/05/2022	ND	5.40	90.0	6.00	6.04		
Total BTX	<0.300	0.300	07/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 69.9-140

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	07/05/2022	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	07/05/2022	ND	179	89.7	200	2.80	
DRO >C10-C28*	<10.0	10.0	07/05/2022	ND	189	94.4	200	0.816	
EXT DRO >C28-C36	<10.0	10.0	07/05/2022	ND					

Surrogate: 1-Chlorooctane 59.0 % 43-149

Surrogate: 1-Chlorooctadecane 62.5 % 42.5-161

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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: 07/01/2022
 Reported: 07/06/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: BF - 1 (H222846-10)

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	07/05/2022	ND	1.89	94.6	2.00	4.86		
Toluene*	<0.050	0.050	07/05/2022	ND	1.99	99.3	2.00	5.26		
Ethylbenzene*	<0.050	0.050	07/05/2022	ND	1.86	92.8	2.00	5.55		
Total Xylenes*	<0.150	0.150	07/05/2022	ND	5.40	90.0	6.00	6.04		
Total BTEx	<0.300	0.300	07/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	07/05/2022	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	07/05/2022	ND	215	107	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/05/2022	ND	217	108	200	0.427	
EXT DRO >C28-C36	<10.0	10.0	07/05/2022	ND					

Surrogate: 1-Chlorooctane 74.7 % 43-149

Surrogate: 1-Chlorooctadecane 70.0 % 42.5-161

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Analytical Results For:

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

Received: 07/01/2022
 Reported: 07/06/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: BF - 2 (H222846-11)

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	07/05/2022	ND	1.89	94.6	2.00	4.86		
Toluene*	<0.050	0.050	07/05/2022	ND	1.99	99.3	2.00	5.26		
Ethylbenzene*	<0.050	0.050	07/05/2022	ND	1.86	92.8	2.00	5.55		
Total Xylenes*	<0.150	0.150	07/05/2022	ND	5.40	90.0	6.00	6.04		
Total BTEx	<0.300	0.300	07/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

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	07/05/2022	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	07/05/2022	ND	215	107	200	4.22	
DRO >C10-C28*	<10.0	10.0	07/05/2022	ND	217	108	200	0.427	
EXT DRO >C28-C36	<10.0	10.0	07/05/2022	ND					

Surrogate: 1-Chlorooctane 77.2 % 43-149

Surrogate: 1-Chlorooctadecane 73.1 % 42.5-161

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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".

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services		BILL TO		ANALYSIS REQUEST			
Project Manager: Dan Dunkelberg		P.O. #:					
Address: 8426 N Del Paso		Company: Newbourn Oil Co.					
City: Hobbs		Attn: Robbie Runnels					
State: NM Zip: 88241		Address:					
Phone #:		City:					
Project #:		State:					
Project Name: YARDBIRDS 34 WZNC RISER		Zip:					
Project Location: Eddy Co., NM		Phone #:					
Sampler Name: KA		Fax #:					

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	#	MATRIX						DATE	TIME	Chloride	TPH	BTEX						
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :											
1	PR-384 @ 5'	C	1	X						7/1/2022	900	X	X	X						
2	PR-385 @ 5'	C	1	X						7/1/2022	905	X	X	X						
3	PR-386 @ 5'	C	1	X						7/1/2022	910	X	X	X						
4	PR-379 @ 4'	C	1	X						7/1/2022	920	X	X	X						
5	PR-378 @ 4'	C	1	X						7/1/2022	930	X	X	X						
6	PR-377 @ 4'	C	1	X						7/1/2022	940	X	X	X						
7	Wall-87 N @ 4'	C	1	X						7/1/2022	945	X	X	X						
8	Wall-44 S @ 2'	C	1	X						7/1/2022	950	X	X	X						
9	Wall-43 S @ 2'	C	1	X						7/1/2022	955	X	X	X						
10	BF-1	G	1	X						7/1/2022	1000	X								

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Relinquished By:	Date: 7-1-22	Received By:	Verbal Result:	Yes	No	Add'l Phone #:
<i>[Signature]</i>	Time: 1448	<i>[Signature]</i>	All Results are emailed. Please provide Email address:			
Relinquished By:	Date:	Received By:	REMARKS:			
Time:						
Delivered By: (Circle One)	Observed Temp. °C 27.5°C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C 27.0°C	<input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<i>[Signature]</i>		<input checked="" type="checkbox"/> X	<input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
						Observed Temp. °C
						Corrected Temp. °C

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

Page 15 of 15



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

July 08, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 07/06/22 15:39.

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

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: 07/06/2022
 Reported: 07/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 376 @ 5' (H222898-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/08/2022	ND	2.09	105	2.00	0.107	
Toluene*	<0.050	0.050	07/08/2022	ND	2.09	105	2.00	0.335	
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.09	104	2.00	0.229	
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.30	105	6.00	1.26	
Total BTX	<0.300	0.300	07/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 84.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	07/08/2022	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	07/07/2022	ND	210	105	200	2.88	
DRO >C10-C28*	<10.0	10.0	07/07/2022	ND	217	108	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	07/07/2022	ND					

Surrogate: 1-Chlorooctane 84.1 % 43-149

Surrogate: 1-Chlorooctadecane 81.4 % 42.5-161

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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: 07/06/2022
 Reported: 07/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 375 @ 5' (H222898-02)

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	07/08/2022	ND	2.09	105	2.00	0.107	
Toluene*	<0.050	0.050	07/08/2022	ND	2.09	105	2.00	0.335	
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.09	104	2.00	0.229	
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.30	105	6.00	1.26	
Total BTX	<0.300	0.300	07/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 85.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/08/2022	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	07/07/2022	ND	210	105	200	2.88	
DRO >C10-C28*	<10.0	10.0	07/07/2022	ND	217	108	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	07/07/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 43-149

Surrogate: 1-Chlorooctadecane 87.2 % 42.5-161

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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: 07/06/2022
 Reported: 07/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 372 @ 5' (H222898-03)

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	07/08/2022	ND	2.09	105	2.00	0.107		
Toluene*	<0.050	0.050	07/08/2022	ND	2.09	105	2.00	0.335		
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.09	104	2.00	0.229		
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.30	105	6.00	1.26		
Total BTEx	<0.300	0.300	07/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	07/08/2022	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	07/07/2022	ND	210	105	200	2.88	
DRO >C10-C28*	<10.0	10.0	07/07/2022	ND	217	108	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	07/07/2022	ND					

Surrogate: 1-Chlorooctane 92.3 % 43-149

Surrogate: 1-Chlorooctadecane 88.8 % 42.5-161

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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: 07/06/2022
 Reported: 07/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 371 @ 5' (H222898-04)

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	07/08/2022	ND	2.09	105	2.00	0.107	
Toluene*	<0.050	0.050	07/08/2022	ND	2.09	105	2.00	0.335	
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.09	104	2.00	0.229	
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.30	105	6.00	1.26	
Total BTEx	<0.300	0.300	07/08/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	07/08/2022	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	07/07/2022	ND	210	105	200	2.88	
DRO >C10-C28*	<10.0	10.0	07/07/2022	ND	217	108	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	07/07/2022	ND					

Surrogate: 1-Chlorooctane 86.3 % 43-149

Surrogate: 1-Chlorooctadecane 81.8 % 42.5-161

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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: 07/06/2022
 Reported: 07/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 370 @ 5' (H222898-05)

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	07/08/2022	ND	2.09	105	2.00	0.107		
Toluene*	<0.050	0.050	07/08/2022	ND	2.09	105	2.00	0.335		
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.09	104	2.00	0.229		
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.30	105	6.00	1.26		
Total BTEx	<0.300	0.300	07/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 85.3 % 69.9-140

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	07/08/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2022	ND	210	105	200	2.88	
DRO >C10-C28*	<10.0	10.0	07/07/2022	ND	217	108	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	07/07/2022	ND					

Surrogate: 1-Chlorooctane 86.7 % 43-149

Surrogate: 1-Chlorooctadecane 84.0 % 42.5-161

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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: 07/06/2022
 Reported: 07/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 369 @ 5' (H222898-06)

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	07/08/2022	ND	2.09	105	2.00	0.107		
Toluene*	<0.050	0.050	07/08/2022	ND	2.09	105	2.00	0.335		
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.09	104	2.00	0.229		
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.30	105	6.00	1.26		
Total BTEx	<0.300	0.300	07/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 87.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	07/08/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2022	ND	210	105	200	2.88	
DRO >C10-C28*	<10.0	10.0	07/07/2022	ND	217	108	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	07/07/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 43-149

Surrogate: 1-Chlorooctadecane 87.2 % 42.5-161

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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: 07/06/2022
 Reported: 07/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 368 @ 5' (H222898-07)

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	07/08/2022	ND	2.09	105	2.00	0.107		
Toluene*	<0.050	0.050	07/08/2022	ND	2.09	105	2.00	0.335		
Ethylbenzene*	<0.050	0.050	07/08/2022	ND	2.09	104	2.00	0.229		
Total Xylenes*	<0.150	0.150	07/08/2022	ND	6.30	105	6.00	1.26		
Total BTEx	<0.300	0.300	07/08/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 69.9-140

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	07/08/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2022	ND	210	105	200	2.88	
DRO >C10-C28*	<10.0	10.0	07/07/2022	ND	217	108	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	07/07/2022	ND					

Surrogate: 1-Chlorooctane 85.9 % 43-149

Surrogate: 1-Chlorooctadecane 83.2 % 42.5-161

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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: 07/06/2022
 Reported: 07/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 367 @ 5' (H222898-08)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	1.09	
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702	
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36	
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27	
Total BTX	<0.300	0.300	07/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/08/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2022	ND	210	105	200	2.88	
DRO >C10-C28*	<10.0	10.0	07/07/2022	ND	217	108	200	3.41	
EXT DRO >C28-C36	<10.0	10.0	07/07/2022	ND					

Surrogate: 1-Chlorooctane 86.7 % 43-149

Surrogate: 1-Chlorooctadecane 83.9 % 42.5-161

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Analytical Results For:

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

Received: 07/06/2022
 Reported: 07/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 361 @ 5' (H222898-09)

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	07/07/2022	ND	2.12	106	2.00	1.09	
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702	
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36	
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27	
Total BTEx	<0.300	0.300	07/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.2 % 69.9-140

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	07/08/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2022	ND	219	110	200	7.50	
DRO >C10-C28*	<10.0	10.0	07/07/2022	ND	215	107	200	3.56	
EXT DRO >C28-C36	<10.0	10.0	07/07/2022	ND					

Surrogate: 1-Chlorooctane 74.6 % 43-149

Surrogate: 1-Chlorooctadecane 88.5 % 42.5-161

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Analytical Results For:

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

Received: 07/06/2022
 Reported: 07/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 360 @ 5' (H222898-10)

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	07/07/2022	ND	2.12	106	2.00	1.09	
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702	
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36	
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27	
Total BTEx	<0.300	0.300	07/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 89.2 % 69.9-140

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	07/08/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2022	ND	188	93.9	200	4.36	
DRO >C10-C28*	<10.0	10.0	07/07/2022	ND	190	95.1	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	07/07/2022	ND					

Surrogate: 1-Chlorooctane 82.9 % 43-149

Surrogate: 1-Chlorooctadecane 93.1 % 42.5-161

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Analytical Results For:

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

Received: 07/06/2022
 Reported: 07/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 359 @ 5' (H222898-11)

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	07/07/2022	ND	2.12	106	2.00	1.09	
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702	
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36	
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27	
Total BTEx	<0.300	0.300	07/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	07/08/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2022	ND	188	93.9	200	4.36	
DRO >C10-C28*	<10.0	10.0	07/07/2022	ND	190	95.1	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	07/07/2022	ND					

Surrogate: 1-Chlorooctane 71.9 % 43-149

Surrogate: 1-Chlorooctadecane 80.1 % 42.5-161

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Analytical Results For:

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

Received: 07/06/2022
 Reported: 07/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 355 @ 5' (H222898-12)

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	07/07/2022	ND	2.12	106	2.00	1.09	
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702	
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36	
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27	
Total BTX	<0.300	0.300	07/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.7 % 69.9-140

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	07/08/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2022	ND	188	93.9	200	4.36	
DRO >C10-C28*	<10.0	10.0	07/07/2022	ND	190	95.1	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	07/07/2022	ND					

Surrogate: 1-Chlorooctane 75.8 % 43-149

Surrogate: 1-Chlorooctadecane 84.7 % 42.5-161

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Analytical Results For:

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

Received: 07/06/2022
 Reported: 07/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 354 @ 5' (H222898-13)

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	07/07/2022	ND	2.12	106	2.00	1.09		
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702		
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36		
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27		
Total BTEx	<0.300	0.300	07/07/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 88.1 % 69.9-140

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	07/08/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2022	ND	188	93.9	200	4.36	
DRO >C10-C28*	<10.0	10.0	07/07/2022	ND	190	95.1	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	07/07/2022	ND					

Surrogate: 1-Chlorooctane 71.6 % 43-149

Surrogate: 1-Chlorooctadecane 80.9 % 42.5-161

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Analytical Results For:

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

Received: 07/06/2022
 Reported: 07/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 353 @ 5' (H222898-14)

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	07/07/2022	ND	2.12	106	2.00	1.09	
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702	
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36	
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27	
Total BTEx	<0.300	0.300	07/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.4 % 69.9-140

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	07/08/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2022	ND	188	93.9	200	4.36	
DRO >C10-C28*	<10.0	10.0	07/07/2022	ND	190	95.1	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	07/07/2022	ND					

Surrogate: 1-Chlorooctane 72.0 % 43-149

Surrogate: 1-Chlorooctadecane 80.4 % 42.5-161

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Analytical Results For:

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

Received: 07/06/2022
 Reported: 07/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 352 @ 5' (H222898-15)

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	07/07/2022	ND	2.12	106	2.00	1.09	
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702	
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36	
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27	
Total BTEx	<0.300	0.300	07/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 87.5 % 69.9-140

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	07/08/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2022	ND	188	93.9	200	4.36	
DRO >C10-C28*	<10.0	10.0	07/07/2022	ND	190	95.1	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	07/07/2022	ND					

Surrogate: 1-Chlorooctane 83.2 % 43-149

Surrogate: 1-Chlorooctadecane 92.8 % 42.5-161

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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: 07/06/2022
 Reported: 07/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/06/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 351 @ 5' (H222898-16)

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	07/07/2022	ND	2.12	106	2.00	1.09	
Toluene*	<0.050	0.050	07/07/2022	ND	2.12	106	2.00	0.702	
Ethylbenzene*	<0.050	0.050	07/07/2022	ND	2.13	106	2.00	1.36	
Total Xylenes*	<0.150	0.150	07/07/2022	ND	6.46	108	6.00	1.27	
Total BTEx	<0.300	0.300	07/07/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 88.9 % 69.9-140

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	07/08/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/07/2022	ND	188	93.9	200	4.36	
DRO >C10-C28*	<10.0	10.0	07/07/2022	ND	190	95.1	200	12.4	
EXT DRO >C28-C36	<10.0	10.0	07/07/2022	ND					

Surrogate: 1-Chlorooctane 83.1 % 43-149

Surrogate: 1-Chlorooctadecane 93.2 % 42.5-161

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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

Page 19 of 20

Page 20 of 20



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

July 12, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 07/07/22 15:30.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/07/2022
 Reported: 07/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 350 @ 5' (H222925-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/09/2022	ND	2.09	104	2.00	9.28	
Toluene*	<0.050	0.050	07/09/2022	ND	2.08	104	2.00	9.39	
Ethylbenzene*	<0.050	0.050	07/09/2022	ND	2.08	104	2.00	9.78	
Total Xylenes*	<0.150	0.150	07/09/2022	ND	6.33	106	6.00	8.81	
Total BTX	<0.300	0.300	07/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

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	07/08/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2022	ND	162	80.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	167	83.7	200	0.582	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 62.6 % 43-149

Surrogate: 1-Chlorooctadecane 68.4 % 42.5-161

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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: 07/07/2022
 Reported: 07/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 343 @ 5' (H222925-02)

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	07/09/2022	ND	2.09	104	2.00	9.28	
Toluene*	<0.050	0.050	07/09/2022	ND	2.08	104	2.00	9.39	
Ethylbenzene*	<0.050	0.050	07/09/2022	ND	2.08	104	2.00	9.78	
Total Xylenes*	<0.150	0.150	07/09/2022	ND	6.33	106	6.00	8.81	
Total BTEx	<0.300	0.300	07/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/08/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2022	ND	162	80.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	167	83.7	200	0.582	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 58.6 % 43-149

Surrogate: 1-Chlorooctadecane 61.0 % 42.5-161

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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: 07/07/2022
 Reported: 07/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 342 @ 5' (H222925-03)

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	07/09/2022	ND	2.09	104	2.00	9.28	
Toluene*	<0.050	0.050	07/09/2022	ND	2.08	104	2.00	9.39	
Ethylbenzene*	<0.050	0.050	07/09/2022	ND	2.08	104	2.00	9.78	
Total Xylenes*	<0.150	0.150	07/09/2022	ND	6.33	106	6.00	8.81	
Total BTEx	<0.300	0.300	07/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/08/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2022	ND	162	80.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	167	83.7	200	0.582	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 66.0 % 43-149

Surrogate: 1-Chlorooctadecane 69.2 % 42.5-161

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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: 07/07/2022
 Reported: 07/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 341 @ 5' (H222925-04)

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	07/09/2022	ND	2.09	104	2.00	9.28	
Toluene*	<0.050	0.050	07/09/2022	ND	2.08	104	2.00	9.39	
Ethylbenzene*	<0.050	0.050	07/09/2022	ND	2.08	104	2.00	9.78	
Total Xylenes*	<0.150	0.150	07/09/2022	ND	6.33	106	6.00	8.81	
Total BTEx	<0.300	0.300	07/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/08/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2022	ND	162	80.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	167	83.7	200	0.582	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 53.4 % 43-149

Surrogate: 1-Chlorooctadecane 54.3 % 42.5-161

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Analytical Results For:

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

Received: 07/07/2022
 Reported: 07/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 337 @ 5' (H222925-05)

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	07/09/2022	ND	2.09	104	2.00	9.28		
Toluene*	<0.050	0.050	07/09/2022	ND	2.08	104	2.00	9.39		
Ethylbenzene*	<0.050	0.050	07/09/2022	ND	2.08	104	2.00	9.78		
Total Xylenes*	<0.150	0.150	07/09/2022	ND	6.33	106	6.00	8.81		
Total BTEx	<0.300	0.300	07/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	07/08/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2022	ND	162	80.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	167	83.7	200	0.582	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 62.7 % 43-149

Surrogate: 1-Chlorooctadecane 70.4 % 42.5-161

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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: 07/07/2022
 Reported: 07/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 336 @ 5' (H222925-06)

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	07/09/2022	ND	2.09	104	2.00	9.28	
Toluene*	<0.050	0.050	07/09/2022	ND	2.08	104	2.00	9.39	
Ethylbenzene*	<0.050	0.050	07/09/2022	ND	2.08	104	2.00	9.78	
Total Xylenes*	<0.150	0.150	07/09/2022	ND	6.33	106	6.00	8.81	
Total BTEx	<0.300	0.300	07/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/08/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2022	ND	162	80.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	167	83.7	200	0.582	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 65.0 % 43-149

Surrogate: 1-Chlorooctadecane 68.9 % 42.5-161

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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: 07/07/2022
 Reported: 07/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 335 @ 5' (H222925-07)

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	07/09/2022	ND	2.09	104	2.00	9.28	
Toluene*	<0.050	0.050	07/09/2022	ND	2.08	104	2.00	9.39	
Ethylbenzene*	<0.050	0.050	07/09/2022	ND	2.08	104	2.00	9.78	
Total Xylenes*	<0.150	0.150	07/09/2022	ND	6.33	106	6.00	8.81	
Total BTEx	<0.300	0.300	07/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	07/08/2022	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2022	ND	162	80.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	167	83.7	200	0.582	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 64.7 % 43-149

Surrogate: 1-Chlorooctadecane 68.7 % 42.5-161

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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: 07/07/2022
 Reported: 07/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 334 @ 5' (H222925-08)

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	07/09/2022	ND	2.09	104	2.00	9.28	
Toluene*	<0.050	0.050	07/09/2022	ND	2.08	104	2.00	9.39	
Ethylbenzene*	<0.050	0.050	07/09/2022	ND	2.08	104	2.00	9.78	
Total Xylenes*	<0.150	0.150	07/09/2022	ND	6.33	106	6.00	8.81	
Total BTEx	<0.300	0.300	07/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

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	07/08/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2022	ND	162	80.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	167	83.7	200	0.582	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 62.2 % 43-149

Surrogate: 1-Chlorooctadecane 66.5 % 42.5-161

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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: 07/07/2022
 Reported: 07/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/07/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 333 @ 5' (H222925-09)

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	07/09/2022	ND	2.09	104	2.00	9.28	
Toluene*	<0.050	0.050	07/09/2022	ND	2.08	104	2.00	9.39	
Ethylbenzene*	<0.050	0.050	07/09/2022	ND	2.08	104	2.00	9.78	
Total Xylenes*	<0.150	0.150	07/09/2022	ND	6.33	106	6.00	8.81	
Total BTEx	<0.300	0.300	07/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

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	07/08/2022	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/11/2022	ND	162	80.9	200	1.84	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	167	83.7	200	0.582	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 68.3 % 43-149

Surrogate: 1-Chlorooctadecane 72.3 % 42.5-161

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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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Page 12 of 12



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July 12, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 07/08/22 15:45.

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

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: 07/08/2022
 Reported: 07/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 321 @ 5' (H222950-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/12/2022	ND	2.05	103	2.00	9.18	
Toluene*	<0.050	0.050	07/12/2022	ND	2.27	113	2.00	9.68	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.19	110	2.00	9.45	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.95	116	6.00	10.2	
Total BTX	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/12/2022	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	07/11/2022	ND	209	105	200	0.259	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	215	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 102 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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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: 07/08/2022
 Reported: 07/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 322 @ 5' (H222950-02)

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	07/12/2022	ND	2.05	103	2.00	9.18		
Toluene*	<0.050	0.050	07/12/2022	ND	2.27	113	2.00	9.68		
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.19	110	2.00	9.45		
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.95	116	6.00	10.2		
Total BTEx	<0.300	0.300	07/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	07/12/2022	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	07/11/2022	ND	209	105	200	0.259	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	215	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 98.4 % 43-149

Surrogate: 1-Chlorooctadecane 99.6 % 42.5-161

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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: 07/08/2022
 Reported: 07/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 323 @ 5' (H222950-03)

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	07/12/2022	ND	2.05	103	2.00	9.18	
Toluene*	<0.050	0.050	07/12/2022	ND	2.27	113	2.00	9.68	
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.19	110	2.00	9.45	
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.95	116	6.00	10.2	
Total BTEx	<0.300	0.300	07/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1550	16.0	07/12/2022	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	07/11/2022	ND	209	105	200	0.259	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	215	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 97.6 % 43-149

Surrogate: 1-Chlorooctadecane 98.8 % 42.5-161

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Analytical Results For:

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

Received: 07/08/2022
 Reported: 07/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 324 @ 5' (H222950-04)

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	07/12/2022	ND	2.05	103	2.00	9.18		
Toluene*	<0.050	0.050	07/12/2022	ND	2.27	113	2.00	9.68		
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.19	110	2.00	9.45		
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.95	116	6.00	10.2		
Total BTEx	<0.300	0.300	07/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	07/12/2022	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	07/11/2022	ND	209	105	200	0.259	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	215	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 99.8 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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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: 07/08/2022
 Reported: 07/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/08/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 325 @ 5' (H222950-05)

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	07/12/2022	ND	2.05	103	2.00	9.18		
Toluene*	<0.050	0.050	07/12/2022	ND	2.27	113	2.00	9.68		
Ethylbenzene*	<0.050	0.050	07/12/2022	ND	2.19	110	2.00	9.45		
Total Xylenes*	<0.150	0.150	07/12/2022	ND	6.95	116	6.00	10.2		
Total BTEx	<0.300	0.300	07/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	07/12/2022	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	07/11/2022	ND	209	105	200	0.259	
DRO >C10-C28*	<10.0	10.0	07/11/2022	ND	215	107	200	1.30	
EXT DRO >C28-C36	<10.0	10.0	07/11/2022	ND					

Surrogate: 1-Chlorooctane 106 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 42.5-161

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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 "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Page 8 of 8



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

July 14, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 07/12/22 15:00.

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 fluid and cursive, with the first name "Celey" being more prominent.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/12/2022	Sampling Date:	07/12/2022
Reported:	07/14/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: PR - 310 @ 5' (H222991-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/13/2022	ND	2.03	101	2.00	5.01	
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68	
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14	
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63	
Total BTX	<0.300	0.300	07/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	07/13/2022	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	07/13/2022	ND	218	109	200	0.361	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	202	101	200	0.705	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 108 % 43-149

Surrogate: 1-Chlorooctadecane 119 % 42.5-161

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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: 07/12/2022
 Reported: 07/14/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/12/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 311 @ 5' (H222991-02)

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	07/13/2022	ND	2.03	101	2.00	5.01		
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63		
Total BTEx	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/13/2022	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	07/13/2022	ND	218	109	200	0.361	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	202	101	200	0.705	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 108 % 43-149

Surrogate: 1-Chlorooctadecane 117 % 42.5-161

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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: 07/12/2022
 Reported: 07/14/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/12/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 312 @ 5' (H222991-03)

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	07/13/2022	ND	2.03	101	2.00	5.01		
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63		
Total BTEX	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/13/2022	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	07/13/2022	ND	218	109	200	0.361	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	202	101	200	0.705	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 109 % 42.5-161

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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: 07/12/2022
 Reported: 07/14/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/12/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 313 @ 5' (H222991-04)

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	07/13/2022	ND	2.03	101	2.00	5.01		
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63		
Total BTEx	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	07/13/2022	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	07/13/2022	ND	218	109	200	0.361	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	202	101	200	0.705	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 87.0 % 43-149

Surrogate: 1-Chlorooctadecane 93.8 % 42.5-161

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Analytical Results For:

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

Received: 07/12/2022
 Reported: 07/14/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/12/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 319 @ 5' (H222991-05)

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	07/13/2022	ND	2.03	101	2.00	5.01		
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63		
Total BTEx	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	07/13/2022	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	07/13/2022	ND	218	109	200	0.361	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	202	101	200	0.705	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 82.6 % 43-149

Surrogate: 1-Chlorooctadecane 88.1 % 42.5-161

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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: 07/12/2022
 Reported: 07/14/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/12/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 320 @ 5' (H222991-06)

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	07/13/2022	ND	2.03	101	2.00	5.01		
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63		
Total BTX	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/13/2022	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	07/13/2022	ND	218	109	200	0.361	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	202	101	200	0.705	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 98.0 % 43-149

Surrogate: 1-Chlorooctadecane 107 % 42.5-161

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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: 07/12/2022
 Reported: 07/14/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/12/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 303 @ 5' (H222991-07)

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	07/13/2022	ND	2.03	101	2.00	5.01		
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63		
Total BTEx	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	07/13/2022	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	07/13/2022	ND	218	109	200	0.361	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	202	101	200	0.705	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 96.0 % 43-149

Surrogate: 1-Chlorooctadecane 104 % 42.5-161

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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: 07/12/2022
 Reported: 07/14/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/12/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 302 @ 5' (H222991-08)

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	07/13/2022	ND	2.03	101	2.00	5.01		
Toluene*	<0.050	0.050	07/13/2022	ND	2.11	105	2.00	4.68		
Ethylbenzene*	<0.050	0.050	07/13/2022	ND	2.16	108	2.00	5.14		
Total Xylenes*	<0.150	0.150	07/13/2022	ND	6.65	111	6.00	5.63		
Total BTEx	<0.300	0.300	07/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	07/13/2022	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	07/13/2022	ND	218	109	200	0.361	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	202	101	200	0.705	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 111 % 42.5-161

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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: 07/12/2022
 Reported: 07/14/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/12/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 301 @ 5' (H222991-09)

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	07/14/2022	ND	2.01	101	2.00	3.53		
Toluene*	<0.050	0.050	07/14/2022	ND	2.10	105	2.00	3.49		
Ethylbenzene*	<0.050	0.050	07/14/2022	ND	2.13	107	2.00	3.57		
Total Xylenes*	<0.150	0.150	07/14/2022	ND	6.59	110	6.00	4.04		
Total BTEx	<0.300	0.300	07/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	07/13/2022	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	07/13/2022	ND	218	109	200	0.361	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	202	101	200	0.705	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 83.8 % 43-149

Surrogate: 1-Chlorooctadecane 90.6 % 42.5-161

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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: 07/12/2022
 Reported: 07/14/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/12/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 300 @ 5' (H222991-10)

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	07/14/2022	ND	2.01	101	2.00	3.53		
Toluene*	<0.050	0.050	07/14/2022	ND	2.10	105	2.00	3.49		
Ethylbenzene*	<0.050	0.050	07/14/2022	ND	2.13	107	2.00	3.57		
Total Xylenes*	<0.150	0.150	07/14/2022	ND	6.59	110	6.00	4.04		
Total BTEx	<0.300	0.300	07/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	07/13/2022	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	07/13/2022	ND	218	109	200	0.361	
DRO >C10-C28*	<10.0	10.0	07/13/2022	ND	202	101	200	0.705	
EXT DRO >C28-C36	<10.0	10.0	07/13/2022	ND					

Surrogate: 1-Chlorooctane 115 % 43-149

Surrogate: 1-Chlorooctadecane 126 % 42.5-161

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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 "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories 101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	
Company Name: Trinity Oilfield Services Project Manager: Dan Dunkelberg Address: 8426 N Dal Paso City: Hobbs State: NM Zip: 88241 Phone #: Fax #: Project #: Project Name: YAROBIRDS 34 WZNC RISER Project Location: Eddy Co., NM Sample Name: KA		P.O. #: Company: Menbourne Oil Co. Attn: Robbie Runnels Address: City: State: Zip: Phone #: Fax #: BILL TO	
Relinquished By: <i>[Signature]</i> Date: 12/12/2022 Time: Received By: <i>[Signature]</i> Date: Time: REMARKS:		Verbal Result: All Results are emailed. Please provide Email address: Addt Phone #: Yes <input type="checkbox"/> No <input type="checkbox"/>	
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Lab I.D. H222991 Sample I.D.	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	MATRIX PRESERV. SAMPLING	DATE TIME
1 PR-310 @ 5'	C 1	X	7/12/2022 900
2 PR-311 @ 5'	C 1	X	7/12/2022 905
3 PR-312 @ 5'	C 1	X	7/12/2022 910
4 PR-313 @ 5'	C 1	X	7/12/2022 920
5 PR-319 @ 5'	C 1	X	7/12/2022 930
6 PR-320 @ 5'	C 1	X	7/12/2022 935
7 PR-303 @ 5'	C 1	X	7/12/2022 940
8 PR-302 @ 5'	C 1	X	7/12/2022 945
9 PR-301 @ 5'	C 1	X	7/12/2022 950
10 PR-300 @ 5'	C 1	X	7/12/2022 955
Chloride TPH BTEX			
Delivered By: (Circle One) Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C 23.9 Checked BY: (Initials) AD Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C			

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



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

July 18, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 07/13/22 15:40.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at 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: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 310 @ 5' (H223034-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2022	ND	1.96	98.1	2.00	0.0412	
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.928	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.07	104	2.00	0.0974	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.51	108	6.00	0.318	
Total BTX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	07/14/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2022	ND	203	101	200	3.05	
DRO >C10-C28*	<10.0	10.0	07/14/2022	ND	194	97.2	200	6.23	
EXT DRO >C28-C36	10.7	10.0	07/14/2022	ND					

Surrogate: 1-Chlorooctane 113 % 43-149

Surrogate: 1-Chlorooctadecane 123 % 42.5-161

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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: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 299 @ 5' (H223034-02)

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	07/15/2022	ND	1.96	98.1	2.00	0.0412	
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.928	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.07	104	2.00	0.0974	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.51	108	6.00	0.318	
Total BTEx	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	07/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2022	ND	203	101	200	3.05	
DRO >C10-C28*	<10.0	10.0	07/14/2022	ND	194	97.2	200	6.23	
EXT DRO >C28-C36	<10.0	10.0	07/14/2022	ND					

Surrogate: 1-Chlorooctane 98.3 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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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: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 298 @ 5' (H223034-03)

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	07/15/2022	ND	1.97	98.5	2.00	0.718		
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	07/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2022	ND	203	101	200	3.05	
DRO >C10-C28*	<10.0	10.0	07/14/2022	ND	194	97.2	200	6.23	
EXT DRO >C28-C36	<10.0	10.0	07/14/2022	ND					

Surrogate: 1-Chlorooctane 96.7 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 42.5-161

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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: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 293 @ 5' (H223034-04)

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	07/15/2022	ND	1.97	98.5	2.00	0.718		
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	07/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2022	ND	203	101	200	3.05	
DRO >C10-C28*	<10.0	10.0	07/14/2022	ND	194	97.2	200	6.23	
EXT DRO >C28-C36	<10.0	10.0	07/14/2022	ND					

Surrogate: 1-Chlorooctane 89.8 % 43-149

Surrogate: 1-Chlorooctadecane 95.8 % 42.5-161

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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: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 292 @ 5' (H223034-05)

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	07/15/2022	ND	1.97	98.5	2.00	0.718		
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994		
Total BTX	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	07/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2022	ND	203	101	200	3.05	
DRO >C10-C28*	<10.0	10.0	07/14/2022	ND	194	97.2	200	6.23	
EXT DRO >C28-C36	<10.0	10.0	07/14/2022	ND					

Surrogate: 1-Chlorooctane 90.1 % 43-149

Surrogate: 1-Chlorooctadecane 94.3 % 42.5-161

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Analytical Results For:

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

Received: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 291 @ 5' (H223034-06)

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	07/15/2022	ND	1.97	98.5	2.00	0.718		
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	07/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2022	ND	203	101	200	3.05	
DRO >C10-C28*	<10.0	10.0	07/14/2022	ND	194	97.2	200	6.23	
EXT DRO >C28-C36	<10.0	10.0	07/14/2022	ND					

Surrogate: 1-Chlorooctane 91.4 % 43-149

Surrogate: 1-Chlorooctadecane 99.9 % 42.5-161

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Analytical Results For:

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

Received: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 290 @ 5' (H223034-07)

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	07/15/2022	ND	1.97	98.5	2.00	0.718		
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	07/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2022	ND	203	101	200	3.05	
DRO >C10-C28*	<10.0	10.0	07/14/2022	ND	194	97.2	200	6.23	
EXT DRO >C28-C36	<10.0	10.0	07/14/2022	ND					

Surrogate: 1-Chlorooctane 87.3 % 43-149

Surrogate: 1-Chlorooctadecane 94.2 % 42.5-161

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Analytical Results For:

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

Received: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 285 @ 5' (H223034-08)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2022	ND	1.97	98.5	2.00	0.718	
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994	
Total BTX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	07/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/14/2022	ND	203	101	200	3.05	
DRO >C10-C28*	<10.0	10.0	07/14/2022	ND	194	97.2	200	6.23	
EXT DRO >C28-C36	<10.0	10.0	07/14/2022	ND					

Surrogate: 1-Chlorooctane 85.6 % 43-149

Surrogate: 1-Chlorooctadecane 92.9 % 42.5-161

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Analytical Results For:

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

Received: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 284 @ 5' (H223034-09)

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	07/15/2022	ND	1.97	98.5	2.00	0.718		
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994		
Total BTX	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	07/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 91.9 % 43-149

Surrogate: 1-Chlorooctadecane 92.1 % 42.5-161

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Analytical Results For:

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

Received: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 283 @ 5' (H223034-10)

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	07/15/2022	ND	1.97	98.5	2.00	0.718		
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	07/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 74.7 % 43-149

Surrogate: 1-Chlorooctadecane 76.0 % 42.5-161

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Analytical Results For:

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

Received: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 282 @ 5' (H223034-11)

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	07/15/2022	ND	1.97	98.5	2.00	0.718		
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/14/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	11.2	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 74.4 % 43-149

Surrogate: 1-Chlorooctadecane 76.8 % 42.5-161

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Analytical Results For:

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

Received: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 276 @ 5' (H223034-12)

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	07/15/2022	ND	1.97	98.5	2.00	0.718		
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	07/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 103 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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Analytical Results For:

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

Received: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 275 @ 5' (H223034-13)

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	07/15/2022	ND	1.97	98.5	2.00	0.718		
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994		
Total BTX	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	07/14/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 98.5 % 43-149

Surrogate: 1-Chlorooctadecane 98.8 % 42.5-161

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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: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 274 @ 5' (H223034-14)

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	07/15/2022	ND	1.97	98.5	2.00	0.718		
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	07/15/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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Analytical Results For:

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

Received: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 273 @ 5' (H223034-15)

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	07/15/2022	ND	1.97	98.5	2.00	0.718		
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	07/15/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 71.9 % 43-149

Surrogate: 1-Chlorooctadecane 72.1 % 42.5-161

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Analytical Results For:

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

Received: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 272 @ 5' (H223034-16)

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	07/15/2022	ND	1.97	98.5	2.00	0.718	
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994	
Total BTX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	07/15/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 43-149

Surrogate: 1-Chlorooctadecane 87.5 % 42.5-161

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Analytical Results For:

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

Received: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 271 @ 5' (H223034-17)

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	07/15/2022	ND	1.97	98.5	2.00	0.718		
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	07/15/2022	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	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 94.4 % 43-149

Surrogate: 1-Chlorooctadecane 91.5 % 42.5-161

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Analytical Results For:

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

Received: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 264 @ 5' (H223034-18)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2022	ND	1.97	98.5	2.00	0.718	
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994	
Total BTX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	07/15/2022	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	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 90.9 % 43-149

Surrogate: 1-Chlorooctadecane 89.8 % 42.5-161

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Analytical Results For:

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

Received: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 263 @ 5' (H223034-19)

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	07/15/2022	ND	1.97	98.5	2.00	0.718		
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	07/15/2022	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	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 68.5 % 43-149

Surrogate: 1-Chlorooctadecane 68.4 % 42.5-161

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Analytical Results For:

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

Received: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 253 @ 5' (H223034-20)

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	07/15/2022	ND	1.97	98.5	2.00	0.718		
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	07/15/2022	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	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 85.0 % 43-149

Surrogate: 1-Chlorooctadecane 85.1 % 42.5-161

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Analytical Results For:

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

Received: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 252 @ 5' (H223034-21)

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	07/15/2022	ND	1.97	98.5	2.00	0.718		
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	07/15/2022	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	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 78.0 % 43-149

Surrogate: 1-Chlorooctadecane 76.2 % 42.5-161

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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: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 251 @ 5' (H223034-22)

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	07/15/2022	ND	1.97	98.5	2.00	0.718		
Toluene*	<0.050	0.050	07/15/2022	ND	1.99	99.3	2.00	1.63		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.02	101	2.00	0.703		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.16	103	6.00	0.0994		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/15/2022	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	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 89.5 % 43-149

Surrogate: 1-Chlorooctadecane 91.6 % 42.5-161

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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: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 250 @ 5' (H223034-23)

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	07/15/2022	ND	2.08	104	2.00	0.575	
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853	
Total BTX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	07/15/2022	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	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	11.2	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 97.2 % 43-149

Surrogate: 1-Chlorooctadecane 97.6 % 42.5-161

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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: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 249 @ 5' (H223034-24)

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	07/15/2022	ND	2.08	104	2.00	0.575		
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741		
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971		
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853		
Total BTEx	<0.300	0.300	07/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	07/15/2022	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	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 79.0 % 43-149

Surrogate: 1-Chlorooctadecane 80.3 % 42.5-161

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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: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 248 @ 5' (H223034-25)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2022	ND	2.08	104	2.00	0.575	
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853	
Total BTX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	07/15/2022	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	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	<10.0	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 90.2 % 43-149

Surrogate: 1-Chlorooctadecane 89.1 % 42.5-161

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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: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 243 @ 5' (H223034-26)

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	07/15/2022	ND	2.08	104	2.00	0.575	
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853	
Total BTX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	07/15/2022	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	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	10.0	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 83.7 % 43-149

Surrogate: 1-Chlorooctadecane 83.0 % 42.5-161

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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: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 242 @ 5' (H223034-27)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2022	ND	2.08	104	2.00	0.575	
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853	
Total BTX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	07/15/2022	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	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	10.5	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 81.2 % 43-149

Surrogate: 1-Chlorooctadecane 79.3 % 42.5-161

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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: 07/13/2022
 Reported: 07/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/13/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 323 @ 6' (H223034-28)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/15/2022	ND	2.08	104	2.00	0.575	
Toluene*	<0.050	0.050	07/15/2022	ND	2.14	107	2.00	0.741	
Ethylbenzene*	<0.050	0.050	07/15/2022	ND	2.18	109	2.00	0.971	
Total Xylenes*	<0.150	0.150	07/15/2022	ND	6.66	111	6.00	0.853	
Total BTX	<0.300	0.300	07/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	07/15/2022	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	07/15/2022	ND	180	90.0	200	31.4	
DRO >C10-C28*	12.8	10.0	07/15/2022	ND	174	86.9	200	31.4	
EXT DRO >C28-C36	<10.0	10.0	07/15/2022	ND					

Surrogate: 1-Chlorooctane 89.0 % 43-149

Surrogate: 1-Chlorooctadecane 89.3 % 42.5-161

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
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 31 of 33

CARDINAL Laboratories				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	
Company Name: Trinity Oilfield Services				P.O. #:		BILL TO	
Project Manager: Dan Dunkelberg				Company: Mendocaine Oil Co.		ANALYSIS REQUEST	
Address: 8426 N Dal Paso				Attn: Robbie Runnels			
City: Hobbs				Address:			
State: NM Zip: 88241				City:			
Phone #:				Fax #:			
Project #: YAROBIRDS 34 WZNC RISER				Project Owner: (see below)			
Project Name: Eddy Co., NM				State: Zip:			
Project Location: Eddy Co., NM				Phone #:			
Sampler Name: KA				Fax #:			
FOR LAB USE ONLY				MATRIX		PRESERV.	
Lab I.D. Sample I.D.				DATE		TIME	
PR-282 @ 5'				7/13/2022		1000	
PR-276 @ 5'				7/13/2022		1005	
PR-275 @ 5'				7/13/2022		1010	
PR-274 @ 5'				7/13/2022		1015	
PR-273 @ 5'				7/13/2022		1020	
PR-272 @ 5'				7/13/2022		1025	
PR-271 @ 5'				7/13/2022		1030	
PR-264 @ 5'				7/13/2022		1035	
PR-263 @ 5'				7/13/2022		1040	
PR-253 @ 5'				7/13/2022		1045	
(G)RAB OR (C)OMP.				Chloride		TPH	
# CONTAINERS				BTEX			
GROUNDWATER							
WASTEWATER							
SOIL							
OIL							
SLUDGE							
OTHER:							
ACID/BASE:							
ICE / COOL							
OTHER:							
Relinquished By: [Signature]				Received By: [Signature]		Verbal Result: Yes No	
Relinquished By: [Signature]				Received By: [Signature]		Add'l Phone #:	
Date: 7-13-22				Time: 1540		Turnaround Time: Standard X	
Observed Temp. °C: 24.5				Corrected Temp. °C: 23.9		Bacteria (only) Sample Condition	
Cool Intact: Yes				Cool Intact: Yes		Observed Temp. °C:	
Sample - UPS - Bus - Other:				Thermometer ID #113		Corrected Temp. °C:	

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

Page 33 of 33



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

July 19, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 07/15/22 15:20.

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".

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: 07/15/2022
 Reported: 07/19/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 241 @ 5' (H223072-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2022	ND	1.94	97.2	2.00	2.53	
Toluene*	<0.050	0.050	07/18/2022	ND	2.19	109	2.00	0.279	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.12	106	2.00	1.62	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.77	113	6.00	1.01	
Total BTX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/18/2022	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	07/18/2022	ND	193	96.6	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	178	89.1	200	0.112	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 104 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/15/2022
 Reported: 07/19/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 240 @ 5' (H223072-02)

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	07/18/2022	ND	1.94	97.2	2.00	2.53	
Toluene*	<0.050	0.050	07/18/2022	ND	2.19	109	2.00	0.279	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.12	106	2.00	1.62	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.77	113	6.00	1.01	
Total BTX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/18/2022	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	07/18/2022	ND	193	96.6	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	178	89.1	200	0.112	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 92.0 % 43-149

Surrogate: 1-Chlorooctadecane 93.0 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/15/2022
 Reported: 07/19/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 238 @ 5' (H223072-04)

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	07/18/2022	ND	1.94	97.2	2.00	2.53	
Toluene*	<0.050	0.050	07/18/2022	ND	2.19	109	2.00	0.279	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.12	106	2.00	1.62	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.77	113	6.00	1.01	
Total BTX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/18/2022	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	07/18/2022	ND	193	96.6	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	178	89.1	200	0.112	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 67.9 % 43-149

Surrogate: 1-Chlorooctadecane 68.4 % 42.5-161

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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: 07/15/2022
 Reported: 07/19/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 229 @ 5' (H223072-05)

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	07/18/2022	ND	1.94	97.2	2.00	2.53	
Toluene*	<0.050	0.050	07/18/2022	ND	2.19	109	2.00	0.279	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.12	106	2.00	1.62	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.77	113	6.00	1.01	
Total BTX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	07/18/2022	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	07/18/2022	ND	193	96.6	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	178	89.1	200	0.112	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 84.4 % 43-149

Surrogate: 1-Chlorooctadecane 86.4 % 42.5-161

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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: 07/15/2022
 Reported: 07/19/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 228 @ 5' (H223072-06)

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	07/19/2022	ND	1.98	99.2	2.00	0.986	
Toluene*	<0.050	0.050	07/19/2022	ND	2.01	101	2.00	4.23	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	1.92	96.2	2.00	1.50	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.06	101	6.00	0.872	
Total BTEx	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	07/18/2022	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	07/18/2022	ND	193	96.6	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	178	89.1	200	0.112	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 89.3 % 43-149

Surrogate: 1-Chlorooctadecane 93.7 % 42.5-161

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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: 07/15/2022
 Reported: 07/19/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 227 @ 5' (H223072-07)

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	07/19/2022	ND	1.98	99.2	2.00	0.986	
Toluene*	<0.050	0.050	07/19/2022	ND	2.01	101	2.00	4.23	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	1.92	96.2	2.00	1.50	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.06	101	6.00	0.872	
Total BTX	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/18/2022	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	07/18/2022	ND	193	96.6	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	178	89.1	200	0.112	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 75.0 % 43-149

Surrogate: 1-Chlorooctadecane 79.8 % 42.5-161

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 07/15/2022
 Reported: 07/19/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 226 @ 5' (H223072-08)

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	07/19/2022	ND	1.98	99.2	2.00	0.986		
Toluene*	<0.050	0.050	07/19/2022	ND	2.01	101	2.00	4.23		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	1.92	96.2	2.00	1.50		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.06	101	6.00	0.872		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/18/2022	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	07/18/2022	ND	193	96.6	200	3.15	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	178	89.1	200	0.112	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 90.7 % 43-149

Surrogate: 1-Chlorooctadecane 92.9 % 42.5-161

Cardinal Laboratories

*=Accredited Analyte

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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.
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

Cardinal Laboratories

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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 10 of 10



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

July 20, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 07/15/22 15:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/15/2022
 Reported: 07/20/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 213 @ 5' (H223097-01)

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	07/18/2022	ND	2.02	101	2.00	9.47		
Toluene*	0.055	0.050	07/18/2022	ND	2.07	103	2.00	8.42		
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	8.77		
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.40	107	6.00	8.17		
Total BTEX	<0.300	0.300	07/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/18/2022	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	07/18/2022	ND	196	98.0	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	96.1	200	1.72	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 73.1 % 43-149

Surrogate: 1-Chlorooctadecane 77.9 % 42.5-161

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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: 07/15/2022
 Reported: 07/20/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 214 @ 5' (H223097-02)

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	07/18/2022	ND	2.02	101	2.00	9.47	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	103	2.00	8.42	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	8.77	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.40	107	6.00	8.17	
Total BTX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	07/18/2022	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	07/18/2022	ND	177	88.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	95.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 55.7 % 43-149

Surrogate: 1-Chlorooctadecane 60.0 % 42.5-161

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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: 07/15/2022
 Reported: 07/20/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 215 @ 5' (H223097-03)

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	07/18/2022	ND	2.02	101	2.00	9.47	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	103	2.00	8.42	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	8.77	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.40	107	6.00	8.17	
Total BTEx	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	07/18/2022	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	07/18/2022	ND	177	88.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	95.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 64.2 % 43-149

Surrogate: 1-Chlorooctadecane 71.0 % 42.5-161

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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: 07/15/2022
 Reported: 07/20/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 216 @ 5' (H223097-04)

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	07/18/2022	ND	2.02	101	2.00	9.47		
Toluene*	0.055	0.050	07/18/2022	ND	2.07	103	2.00	8.42		
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	8.77		
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.40	107	6.00	8.17		
Total BTX	<0.300	0.300	07/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/18/2022	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	07/18/2022	ND	177	88.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	95.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 65.8 % 43-149

Surrogate: 1-Chlorooctadecane 71.0 % 42.5-161

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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: 07/15/2022
 Reported: 07/20/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 223 @ 5' (H223097-05)

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	07/18/2022	ND	2.02	101	2.00	9.47	
Toluene*	0.087	0.050	07/18/2022	ND	2.07	103	2.00	8.42	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	8.77	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.40	107	6.00	8.17	
Total BTX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	07/18/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2022	ND	177	88.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	95.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 57.5 % 43-149

Surrogate: 1-Chlorooctadecane 62.1 % 42.5-161

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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: 07/15/2022
 Reported: 07/20/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 224 @ 5' (H223097-06)

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	07/18/2022	ND	2.02	101	2.00	9.47		
Toluene*	0.055	0.050	07/18/2022	ND	2.07	103	2.00	8.42		
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	8.77		
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.40	107	6.00	8.17		
Total BTX	<0.300	0.300	07/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/18/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2022	ND	177	88.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	95.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 68.2 % 43-149

Surrogate: 1-Chlorooctadecane 75.5 % 42.5-161

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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: 07/15/2022
 Reported: 07/20/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 225 @ 5' (H223097-07)

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	07/18/2022	ND	2.02	101	2.00	9.47	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	103	2.00	8.42	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	8.77	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.40	107	6.00	8.17	
Total BTX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/18/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2022	ND	177	88.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	95.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 70.9 % 43-149

Surrogate: 1-Chlorooctadecane 83.0 % 42.5-161

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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: 07/15/2022
 Reported: 07/20/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 239 @ 5' (H223097-08)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/18/2022	ND	2.02	101	2.00	9.47	
Toluene*	<0.050	0.050	07/18/2022	ND	2.07	103	2.00	8.42	
Ethylbenzene*	<0.050	0.050	07/18/2022	ND	2.10	105	2.00	8.77	
Total Xylenes*	<0.150	0.150	07/18/2022	ND	6.40	107	6.00	8.17	
Total BTX	<0.300	0.300	07/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	07/18/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/18/2022	ND	177	88.5	200	1.53	
DRO >C10-C28*	<10.0	10.0	07/18/2022	ND	192	95.8	200	2.15	
EXT DRO >C28-C36	<10.0	10.0	07/18/2022	ND					

Surrogate: 1-Chlorooctane 68.3 % 43-149

Surrogate: 1-Chlorooctadecane 74.5 % 42.5-161

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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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Page 11 of 11



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

July 21, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 07/18/22 15:50.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/18/2022
 Reported: 07/21/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/18/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 208 @ 5' (H223109-01)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/19/2022	ND	2.10	105	2.00	2.25		
Toluene*	<0.050	0.050	07/19/2022	ND	2.16	108	2.00	1.80		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.58		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.67	111	6.00	3.33		
Total BTX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/19/2022	ND	432	108	400	3.77	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/19/2022	ND	215	108	200	0.658	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	215	107	200	1.53	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 69.7 % 43-149

Surrogate: 1-Chlorooctadecane 76.6 % 42.5-161

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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: 07/18/2022
 Reported: 07/21/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/18/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 207 @ 5' (H223109-02)

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	07/19/2022	ND	2.10	105	2.00	2.25		
Toluene*	<0.050	0.050	07/19/2022	ND	2.16	108	2.00	1.80		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.58		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.67	111	6.00	3.33		
Total BTX	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/19/2022	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	07/19/2022	ND	158	79.1	200	7.54	QM-07
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 66.9 % 43-149

Surrogate: 1-Chlorooctadecane 70.5 % 42.5-161

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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: 07/18/2022
 Reported: 07/21/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/18/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 206 @ 5' (H223109-03)

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	07/19/2022	ND	2.10	105	2.00	2.25		
Toluene*	<0.050	0.050	07/19/2022	ND	2.16	108	2.00	1.80		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.58		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.67	111	6.00	3.33		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/19/2022	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	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 59.5 % 43-149

Surrogate: 1-Chlorooctadecane 64.0 % 42.5-161

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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: 07/18/2022
 Reported: 07/21/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/18/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 201 @ 5' (H223109-04)

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	07/19/2022	ND	2.10	105	2.00	2.25		
Toluene*	<0.050	0.050	07/19/2022	ND	2.16	108	2.00	1.80		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.58		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.67	111	6.00	3.33		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	07/19/2022	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	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 61.6 % 43-149

Surrogate: 1-Chlorooctadecane 64.8 % 42.5-161

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Analytical Results For:

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

Received: 07/18/2022
 Reported: 07/21/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/18/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 200 @ 5' (H223109-05)

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	07/19/2022	ND	2.10	105	2.00	2.25		
Toluene*	<0.050	0.050	07/19/2022	ND	2.16	108	2.00	1.80		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.58		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.67	111	6.00	3.33		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	07/19/2022	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	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 59.9 % 43-149

Surrogate: 1-Chlorooctadecane 63.3 % 42.5-161

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Analytical Results For:

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

Received: 07/18/2022
 Reported: 07/21/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/18/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 199 @ 5' (H223109-06)

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	07/19/2022	ND	2.10	105	2.00	2.25	
Toluene*	<0.050	0.050	07/19/2022	ND	2.16	108	2.00	1.80	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.58	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.67	111	6.00	3.33	
Total BTEx	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	07/19/2022	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	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 57.8 % 43-149

Surrogate: 1-Chlorooctadecane 59.3 % 42.5-161

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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: 07/18/2022
 Reported: 07/21/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/18/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 198 @ 5' (H223109-07)

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	07/19/2022	ND	2.10	105	2.00	2.25		
Toluene*	<0.050	0.050	07/19/2022	ND	2.16	108	2.00	1.80		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.58		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.67	111	6.00	3.33		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	07/19/2022	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	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 63.9 % 43-149

Surrogate: 1-Chlorooctadecane 68.1 % 42.5-161

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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: 07/18/2022
 Reported: 07/21/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/18/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 193 @ 5' (H223109-08)

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	07/19/2022	ND	2.10	105	2.00	2.25		
Toluene*	<0.050	0.050	07/19/2022	ND	2.16	108	2.00	1.80		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.19	110	2.00	2.58		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.67	111	6.00	3.33		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	07/19/2022	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	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 58.4 % 43-149

Surrogate: 1-Chlorooctadecane 62.3 % 42.5-161

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: 07/18/2022
 Reported: 07/21/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/18/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 192 @ 5' (H223109-09)

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	07/19/2022	ND	2.06	103	2.00	11.2		
Toluene*	<0.050	0.050	07/19/2022	ND	2.15	107	2.00	12.2		
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	11.9		
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.65	111	6.00	11.3		
Total BTEx	<0.300	0.300	07/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	07/19/2022	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	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 58.9 % 43-149

Surrogate: 1-Chlorooctadecane 63.1 % 42.5-161

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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: 07/18/2022
 Reported: 07/21/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/18/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 191 @ 5' (H223109-10)

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	07/19/2022	ND	2.06	103	2.00	11.2	
Toluene*	<0.050	0.050	07/19/2022	ND	2.15	107	2.00	12.2	
Ethylbenzene*	<0.050	0.050	07/19/2022	ND	2.17	108	2.00	11.9	
Total Xylenes*	<0.150	0.150	07/19/2022	ND	6.65	111	6.00	11.3	
Total BTEx	<0.300	0.300	07/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	07/19/2022	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	07/19/2022	ND	158	79.1	200	7.54	
DRO >C10-C28*	<10.0	10.0	07/19/2022	ND	170	85.2	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	07/19/2022	ND					

Surrogate: 1-Chlorooctane 55.7 % 43-149

Surrogate: 1-Chlorooctadecane 61.1 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	
Company Name: Trinity Oilfield Services				P.O. #:		BILL TO	
Project Manager: Dan Dunkelberg				Company: Menzies Oil Co.		ANALYSIS REQUEST	
Address: 8426 N Dal Paso				Attn: Robbie Runnels			
City: Hobbs				Address:			
State: NM Zip: 88241				City:			
Phone #:				Fax #:			
Project #: YARDIRDS 34 W2NC RISER				Project Owner: (see below)			
Project Name: Eddy Co., NM				dan@trinityoilfieldservices.com			
Project Location: Eddy Co., NM				State: Zip:			
Sample Name: KA				Phone #:			
FOR LAB USE ONLY				PRESERV.		SAMPLING	
Lab I.D. H223109				DATE		TIME	
Sample I.D.				DATE		TIME	
1	PR-208 @ 5'	C 1	X	7/18/2022	900	X	X
2	PR-207 @ 5'	C 1	X	7/18/2022	905	X	X
3	PR-206 @ 5'	C 1	X	7/18/2022	910	X	X
4	PR-201 @ 5'	C 1	X	7/18/2022	920	X	X
5	PR-200 @ 5'	C 1	X	7/18/2022	930	X	X
6	PR-199 @ 5'	C 1	X	7/18/2022	935	X	X
7	PR-198 @ 5'	C 1	X	7/18/2022	940	X	X
8	PR-193 @ 5'	C 1	X	7/18/2022	945	X	X
9	PR-192 @ 5'	C 1	X	7/18/2022	950	X	X
10	PR-191 @ 5'	C 1	X	7/18/2022	955	X	X
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Relinquished By: [Signature]				Received By: [Signature]		All Results are emailed. Please provide Email address:	
Relinquished By: [Signature]				Received By: [Signature]		REMARKS:	
Delivered By: (Circle One)				Observed Temp. °C: 31.8		Sample Condition	
Sampler - UPS - Bus - Other:				Corrected Temp. °C: 31.2		Cool Intact	
						Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
						Checked BY: [Signature]	
						Turnaround Time:	
						Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
						Bacteria (only) Sample Condition	
						Cool Intact	
						Yes <input type="checkbox"/> No <input type="checkbox"/>	
						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

July 25, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 07/19/22 15:47.

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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/19/2022
 Reported: 07/25/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 186 @ 6' (H223137-01)

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	07/20/2022	ND	2.06	103	2.00	2.85	
Toluene*	<0.050	0.050	07/20/2022	ND	2.13	107	2.00	2.33	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.19	109	2.00	3.46	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.71	112	6.00	3.59	
Total BTEX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	07/20/2022	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	07/20/2022	ND	190	95.1	200	5.68	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	190	95.2	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 66.1 % 43-149

Surrogate: 1-Chlorooctadecane 72.2 % 42.5-161

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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: 07/19/2022
 Reported: 07/25/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 185 @ 6' (H223137-02)

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	07/20/2022	ND	2.06	103	2.00	2.85	
Toluene*	0.057	0.050	07/20/2022	ND	2.13	107	2.00	2.33	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.19	109	2.00	3.46	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.71	112	6.00	3.59	
Total BTEX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	07/20/2022	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	07/20/2022	ND	190	95.1	200	5.68	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	190	95.2	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 71.6 % 43-149

Surrogate: 1-Chlorooctadecane 83.0 % 42.5-161

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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: 07/19/2022
 Reported: 07/25/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 184 @ 6' (H223137-03)

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	07/20/2022	ND	2.06	103	2.00	2.85		
Toluene*	<0.050	0.050	07/20/2022	ND	2.13	107	2.00	2.33		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.19	109	2.00	3.46		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.71	112	6.00	3.59		
Total BTEX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 69.9-140

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	07/20/2022	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	07/20/2022	ND	190	95.1	200	5.68	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	190	95.2	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 81.8 % 43-149

Surrogate: 1-Chlorooctadecane 93.5 % 42.5-161

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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: 07/19/2022
 Reported: 07/25/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 183 @ 6' (H223137-04)

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	07/20/2022	ND	2.06	103	2.00	2.85	
Toluene*	<0.050	0.050	07/20/2022	ND	2.13	107	2.00	2.33	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.19	109	2.00	3.46	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.71	112	6.00	3.59	
Total BTEX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

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	07/20/2022	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	07/20/2022	ND	190	95.1	200	5.68	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	190	95.2	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 72.9 % 43-149

Surrogate: 1-Chlorooctadecane 82.1 % 42.5-161

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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: 07/19/2022
 Reported: 07/25/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 178 @ 5' (H223137-05)

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	07/20/2022	ND	2.06	103	2.00	2.85		
Toluene*	<0.050	0.050	07/20/2022	ND	2.13	107	2.00	2.33		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.19	109	2.00	3.46		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.71	112	6.00	3.59		
Total BTEX	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	07/20/2022	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	07/20/2022	ND	190	95.1	200	5.68	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	190	95.2	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 75.0 % 43-149

Surrogate: 1-Chlorooctadecane 83.9 % 42.5-161

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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: 07/19/2022
 Reported: 07/25/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 177 @ 5' (H223137-06)

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	07/20/2022	ND	2.06	103	2.00	2.85		
Toluene*	<0.050	0.050	07/20/2022	ND	2.13	107	2.00	2.33		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.19	109	2.00	3.46		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.71	112	6.00	3.59		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

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	07/20/2022	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	07/20/2022	ND	190	95.1	200	5.68	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	190	95.2	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 60.7 % 43-149

Surrogate: 1-Chlorooctadecane 66.4 % 42.5-161

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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: 07/19/2022
 Reported: 07/25/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 176 @ 5' (H223137-07)

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	07/20/2022	ND	2.06	103	2.00	2.85		
Toluene*	<0.050	0.050	07/20/2022	ND	2.13	107	2.00	2.33		
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.19	109	2.00	3.46		
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.71	112	6.00	3.59		
Total BTEx	<0.300	0.300	07/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	07/20/2022	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	07/20/2022	ND	190	95.1	200	5.68	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	190	95.2	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 62.8 % 43-149

Surrogate: 1-Chlorooctadecane 70.0 % 42.5-161

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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: 07/19/2022
 Reported: 07/25/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 171 @ 5' (H223137-08)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/20/2022	ND	2.06	103	2.00	2.85	
Toluene*	<0.050	0.050	07/20/2022	ND	2.13	107	2.00	2.33	
Ethylbenzene*	<0.050	0.050	07/20/2022	ND	2.19	109	2.00	3.46	
Total Xylenes*	<0.150	0.150	07/20/2022	ND	6.71	112	6.00	3.59	
Total BTX	<0.300	0.300	07/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/20/2022	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	07/20/2022	ND	190	95.1	200	5.68	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	190	95.2	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 69.9 % 43-149

Surrogate: 1-Chlorooctadecane 77.7 % 42.5-161

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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: 07/19/2022
 Reported: 07/25/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 170 @ 5' (H223137-09)

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	07/21/2022	ND	2.14	107	2.00	13.2	
Toluene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	13.8	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.25	112	2.00	12.9	
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.85	114	6.00	11.8	
Total BTEx	<0.300	0.300	07/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/20/2022	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	07/20/2022	ND	190	95.1	200	5.68	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	190	95.2	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 67.0 % 43-149

Surrogate: 1-Chlorooctadecane 74.1 % 42.5-161

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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: 07/19/2022
 Reported: 07/25/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 169 @ 5' (H223137-10)

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	07/21/2022	ND	2.14	107	2.00	13.2	
Toluene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	13.8	
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.25	112	2.00	12.9	
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.85	114	6.00	11.8	
Total BTEx	<0.300	0.300	07/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	07/20/2022	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	07/20/2022	ND	190	95.1	200	5.68	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	190	95.2	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 76.7 % 43-149

Surrogate: 1-Chlorooctadecane 84.7 % 42.5-161

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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: 07/19/2022
 Reported: 07/25/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/19/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 168 @ 5' (H223137-11)

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	07/21/2022	ND	2.14	107	2.00	13.2		
Toluene*	<0.050	0.050	07/21/2022	ND	2.22	111	2.00	13.8		
Ethylbenzene*	<0.050	0.050	07/21/2022	ND	2.25	112	2.00	12.9		
Total Xylenes*	<0.150	0.150	07/21/2022	ND	6.85	114	6.00	11.8		
Total BTEX	<0.300	0.300	07/21/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

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	07/20/2022	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	07/20/2022	ND	190	95.1	200	5.68	
DRO >C10-C28*	<10.0	10.0	07/20/2022	ND	190	95.2	200	8.35	
EXT DRO >C28-C36	<10.0	10.0	07/20/2022	ND					

Surrogate: 1-Chlorooctane 67.5 % 43-149

Surrogate: 1-Chlorooctadecane 75.6 % 42.5-161

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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.
QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	
Company Name: Trinity Oilfield Services				P.O. #:		BILL TO	
Project Manager: Dan Dunkelberg				Company: Menbourne Oil Co.		ANALYSIS REQUEST	
Address: 8426 N Dal Paso				Attn: Robbie Runnels			
City: Hobbs				State: NM Zip: 88241			
Phone #:				Fax #:			
Project #:				Project Owner: (see below)			
Project Name: YARDBIRDS 34 WZNC RISER				City:			
Project Location: Eddy Co., NM				State:			
Sample Name: KA				Phone #:			
FOR LAB USE ONLY				Fax #:			
Sample I.D.				DATE		TIME	
H223137				7/19/2022		900	
Lab I.D.				DATE		TIME	
PR-186 @ 6'				7/19/2022		900	
PR-185 @ 6'				7/19/2022		905	
PR-184 @ 6'				7/19/2022		910	
PR-183 @ 6'				7/19/2022		920	
PR-178 @ 5'				7/19/2022		930	
PR-177 @ 5'				7/19/2022		935	
PR-176 @ 5'				7/19/2022		940	
PR-171 @ 5'				7/19/2022		945	
PR-170 @ 5'				7/19/2022		950	
PR-169 @ 5'				7/19/2022		955	
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Relinquished By: <i>Hebert</i>				BTEX			
Received By: <i>Hebert</i>							
Date: 7/19/2022							
Time: 1547							
Relinquished By: <i>Hebert</i>							
Received By: <i>Hebert</i>							
Date: 7/19/2022							
Time: 1547							
REMARKS:							
Delivered By: (Circle One)				Turnaround Time:		Standard	
Corrected Temp. °C: 28.9				Thermometer ID #113		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	
Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>				Correction Factor: -0.6 °C		Bacteria (only) Sample Condition	
Sampler - UPS - Bus - Other:				Correction Factor: -0.6 °C		Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	
Observed Temp. °C: 28.3				Correction Factor: -0.6 °C		Observed Temp. °C	

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

Page 15 of 15



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

July 25, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 07/20/22 15:50.

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

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:	07/20/2022	Sampling Date:	07/20/2022
Reported:	07/25/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	** (See Notes)
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: PR - 158 @ 5' (H223175-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/23/2022	ND	2.05	102	2.00	8.44	
Toluene*	<0.050	0.050	07/23/2022	ND	2.28	114	2.00	8.24	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.23	111	2.00	7.84	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	7.03	117	6.00	8.34	
Total BTX	<0.300	0.300	07/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	07/22/2022	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	07/22/2022	ND	224	112	200	1.81	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	233	116	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 77.3 % 43-149

Surrogate: 1-Chlorooctadecane 69.5 % 42.5-161

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: 07/20/2022
 Reported: 07/25/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 159 @ 5' (H223175-02)

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	07/23/2022	ND	2.05	102	2.00	8.44	
Toluene*	<0.050	0.050	07/23/2022	ND	2.28	114	2.00	8.24	
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.23	111	2.00	7.84	
Total Xylenes*	<0.150	0.150	07/23/2022	ND	7.03	117	6.00	8.34	
Total BTEx	<0.300	0.300	07/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	07/22/2022	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	07/22/2022	ND	224	112	200	1.81	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	233	116	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 43-149

Surrogate: 1-Chlorooctadecane 78.7 % 42.5-161

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/20/2022
 Reported: 07/25/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 160 @ 5' (H223175-03)

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	07/23/2022	ND	2.05	102	2.00	8.44		
Toluene*	<0.050	0.050	07/23/2022	ND	2.28	114	2.00	8.24		
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.23	111	2.00	7.84		
Total Xylenes*	<0.150	0.150	07/23/2022	ND	7.03	117	6.00	8.34		
Total BTEx	<0.300	0.300	07/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/22/2022	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	07/22/2022	ND	224	112	200	1.81	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	233	116	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 93.0 % 43-149

Surrogate: 1-Chlorooctadecane 84.1 % 42.5-161

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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: 07/20/2022
 Reported: 07/25/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 161 @ 5' (H223175-04)

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	07/23/2022	ND	2.05	102	2.00	8.44		
Toluene*	<0.050	0.050	07/23/2022	ND	2.28	114	2.00	8.24		
Ethylbenzene*	<0.050	0.050	07/23/2022	ND	2.23	111	2.00	7.84		
Total Xylenes*	<0.150	0.150	07/23/2022	ND	7.03	117	6.00	8.34		
Total BTEx	<0.300	0.300	07/23/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	07/22/2022	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	07/22/2022	ND	224	112	200	1.81	
DRO >C10-C28*	<10.0	10.0	07/22/2022	ND	233	116	200	1.64	
EXT DRO >C28-C36	<10.0	10.0	07/22/2022	ND					

Surrogate: 1-Chlorooctane 74.2 % 43-149

Surrogate: 1-Chlorooctadecane 66.1 % 42.5-161

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*=Accredited Analyte

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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", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Page 7 of 7



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

July 28, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 07/22/22 15:23.

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 fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 134 @ 5' (H223232-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2022	ND	2.08	104	2.00	0.413	
Toluene*	<0.050	0.050	07/26/2022	ND	2.26	113	2.00	0.870	
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.19	110	2.00	0.753	
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.95	116	6.00	0.188	
Total BTX	<0.300	0.300	07/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	07/26/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2022	ND	187	93.3	200	0.933	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	190	95.1	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 72.9 % 43-149

Surrogate: 1-Chlorooctadecane 84.3 % 42.5-161

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 130 @ 5' (H223232-02)

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	07/26/2022	ND	2.08	104	2.00	0.413	
Toluene*	<0.050	0.050	07/26/2022	ND	2.26	113	2.00	0.870	
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.19	110	2.00	0.753	
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.95	116	6.00	0.188	
Total BTX	<0.300	0.300	07/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/26/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2022	ND	187	93.3	200	0.933	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	190	95.1	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 81.8 % 43-149

Surrogate: 1-Chlorooctadecane 94.4 % 42.5-161

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: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 128 @ 5' (H223232-03)

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	07/26/2022	ND	2.08	104	2.00	0.413		
Toluene*	<0.050	0.050	07/26/2022	ND	2.26	113	2.00	0.870		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.19	110	2.00	0.753		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.95	116	6.00	0.188		
Total BTEx	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	07/26/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2022	ND	187	93.3	200	0.933	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	190	95.1	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 82.6 % 43-149

Surrogate: 1-Chlorooctadecane 98.2 % 42.5-161

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: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 117 @ 5' (H223232-04)

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	07/26/2022	ND	2.08	104	2.00	0.413		
Toluene*	<0.050	0.050	07/26/2022	ND	2.26	113	2.00	0.870		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.19	110	2.00	0.753		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.95	116	6.00	0.188		
Total BTX	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	07/26/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2022	ND	187	93.3	200	0.933	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	190	95.1	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 80.1 % 43-149

Surrogate: 1-Chlorooctadecane 94.6 % 42.5-161

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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: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 116 @ 5' (H223232-05)

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	07/26/2022	ND	2.08	104	2.00	0.413		
Toluene*	<0.050	0.050	07/26/2022	ND	2.26	113	2.00	0.870		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.19	110	2.00	0.753		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.95	116	6.00	0.188		
Total BTEx	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	07/26/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2022	ND	187	93.3	200	0.933	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	190	95.1	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 82.3 % 43-149

Surrogate: 1-Chlorooctadecane 98.0 % 42.5-161

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Analytical Results For:

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

Received: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 115 @ 5' (H223232-06)

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	07/26/2022	ND	2.07	103	2.00	0.632	
Toluene*	<0.050	0.050	07/26/2022	ND	2.12	106	2.00	0.598	
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.14	107	2.00	0.407	
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.50	108	6.00	0.313	
Total BTX	<0.300	0.300	07/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	07/26/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2022	ND	187	93.3	200	0.933	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	190	95.1	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 76.0 % 43-149

Surrogate: 1-Chlorooctadecane 90.1 % 42.5-161

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Analytical Results For:

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

Received: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 114 @ 5' (H223232-07)

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	07/26/2022	ND	2.07	103	2.00	0.632		
Toluene*	<0.050	0.050	07/26/2022	ND	2.12	106	2.00	0.598		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.14	107	2.00	0.407		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.50	108	6.00	0.313		
Total BTEx	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	07/26/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2022	ND	187	93.3	200	0.933	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	190	95.1	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 81.7 % 43-149

Surrogate: 1-Chlorooctadecane 97.3 % 42.5-161

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Analytical Results For:

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

Received: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 113 @ 5' (H223232-08)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/26/2022	ND	2.07	103	2.00	0.632	
Toluene*	<0.050	0.050	07/26/2022	ND	2.12	106	2.00	0.598	
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.14	107	2.00	0.407	
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.50	108	6.00	0.313	
Total BTX	<0.300	0.300	07/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	07/26/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2022	ND	187	93.3	200	0.933	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	190	95.1	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 81.1 % 43-149

Surrogate: 1-Chlorooctadecane 97.7 % 42.5-161

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Analytical Results For:

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

Received: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 112 @ 5' (H223232-09)

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	07/26/2022	ND	2.07	103	2.00	0.632		
Toluene*	<0.050	0.050	07/26/2022	ND	2.12	106	2.00	0.598		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.14	107	2.00	0.407		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.50	108	6.00	0.313		
Total BTEx	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	752	16.0	07/26/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2022	ND	187	93.3	200	0.933	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	190	95.1	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 79.1 % 43-149

Surrogate: 1-Chlorooctadecane 94.2 % 42.5-161

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Analytical Results For:

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

Received: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 111 @ 5' (H223232-10)

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	07/26/2022	ND	2.07	103	2.00	0.632		
Toluene*	<0.050	0.050	07/26/2022	ND	2.12	106	2.00	0.598		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.14	107	2.00	0.407		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.50	108	6.00	0.313		
Total BTEx	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	07/26/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2022	ND	187	93.3	200	0.933	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	190	95.1	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 70.7 % 43-149

Surrogate: 1-Chlorooctadecane 83.4 % 42.5-161

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Analytical Results For:

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

Received: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 110 @ 5' (H223232-11)

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	07/26/2022	ND	2.07	103	2.00	0.632		
Toluene*	<0.050	0.050	07/26/2022	ND	2.12	106	2.00	0.598		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.14	107	2.00	0.407		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.50	108	6.00	0.313		
Total BTEx	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	07/26/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2022	ND	187	93.3	200	0.933	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	190	95.1	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 83.6 % 43-149

Surrogate: 1-Chlorooctadecane 95.1 % 42.5-161

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Analytical Results For:

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

Received: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 109 @ 5' (H223232-12)

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	07/26/2022	ND	2.07	103	2.00	0.632		
Toluene*	<0.050	0.050	07/26/2022	ND	2.12	106	2.00	0.598		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.14	107	2.00	0.407		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.50	108	6.00	0.313		
Total BTEx	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	07/26/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2022	ND	187	93.3	200	0.933	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	190	95.1	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 80.0 % 43-149

Surrogate: 1-Chlorooctadecane 93.7 % 42.5-161

Cardinal Laboratories

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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: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 108 @ 5' (H223232-13)

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	07/26/2022	ND	2.07	103	2.00	0.632		
Toluene*	<0.050	0.050	07/26/2022	ND	2.12	106	2.00	0.598		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.14	107	2.00	0.407		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.50	108	6.00	0.313		
Total BTEx	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	07/26/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2022	ND	187	93.3	200	0.933	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	190	95.1	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 81.9 % 43-149

Surrogate: 1-Chlorooctadecane 93.6 % 42.5-161

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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: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 107 @ 5' (H223232-14)

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	07/26/2022	ND	2.07	103	2.00	0.632		
Toluene*	<0.050	0.050	07/26/2022	ND	2.12	106	2.00	0.598		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.14	107	2.00	0.407		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.50	108	6.00	0.313		
Total BTEx	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	07/26/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/26/2022	ND	187	93.3	200	0.933	
DRO >C10-C28*	<10.0	10.0	07/26/2022	ND	190	95.1	200	4.24	
EXT DRO >C28-C36	<10.0	10.0	07/26/2022	ND					

Surrogate: 1-Chlorooctane 78.8 % 43-149

Surrogate: 1-Chlorooctadecane 90.0 % 42.5-161

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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: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 106 @ 5' (H223232-15)

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	07/26/2022	ND	2.07	103	2.00	0.632		
Toluene*	<0.050	0.050	07/26/2022	ND	2.12	106	2.00	0.598		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.14	107	2.00	0.407		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.50	108	6.00	0.313		
Total BTEx	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/26/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2022	ND	209	104	200	5.23	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	190	94.9	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 103 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 42.5-161

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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: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 105 @ 5' (H223232-16)

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	07/26/2022	ND	2.07	103	2.00	0.632		
Toluene*	<0.050	0.050	07/26/2022	ND	2.12	106	2.00	0.598		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.14	107	2.00	0.407		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.50	108	6.00	0.313		
Total BTEx	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	07/26/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2022	ND	209	104	200	5.23	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	190	94.9	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 99.9 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 42.5-161

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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: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 104 @ 5' (H223232-17)

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	07/26/2022	ND	2.07	103	2.00	0.632	
Toluene*	<0.050	0.050	07/26/2022	ND	2.12	106	2.00	0.598	
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.14	107	2.00	0.407	
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.50	108	6.00	0.313	
Total BTX	<0.300	0.300	07/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	07/26/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2022	ND	209	104	200	5.23	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	190	94.9	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 100 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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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: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 13 W @ 3' (H223232-18)

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	07/26/2022	ND	2.07	103	2.00	0.632		
Toluene*	<0.050	0.050	07/26/2022	ND	2.12	106	2.00	0.598		
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.14	107	2.00	0.407		
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.50	108	6.00	0.313		
Total BTEx	<0.300	0.300	07/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	07/26/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2022	ND	209	104	200	5.23	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	190	94.9	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 83.9 % 43-149

Surrogate: 1-Chlorooctadecane 85.6 % 42.5-161

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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: 07/22/2022
 Reported: 07/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 97 E @ 3' (H223232-19)

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	07/26/2022	ND	2.07	103	2.00	0.632	
Toluene*	<0.050	0.050	07/26/2022	ND	2.12	106	2.00	0.598	
Ethylbenzene*	<0.050	0.050	07/26/2022	ND	2.14	107	2.00	0.407	
Total Xylenes*	<0.150	0.150	07/26/2022	ND	6.50	108	6.00	0.313	
Total BTEx	<0.300	0.300	07/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	07/26/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	07/25/2022	ND	209	104	200	5.23	
DRO >C10-C28*	<10.0	10.0	07/25/2022	ND	190	94.9	200	3.52	
EXT DRO >C28-C36	<10.0	10.0	07/25/2022	ND					

Surrogate: 1-Chlorooctane 89.3 % 43-149

Surrogate: 1-Chlorooctadecane 89.6 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

Page 22 of 23

Page 23 of 23



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

August 01, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 07/26/22 15:00.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	07/26/2022	Sampling Date:	07/26/2022
Reported:	08/01/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: PR - 133 @ 5' (H223288-01)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2022	ND	2.04	102	2.00	2.42		
Toluene*	<0.050	0.050	07/28/2022	ND	2.14	107	2.00	2.15		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.18	109	2.00	2.64		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.70	112	6.00	2.76		
Total BTX	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 69.9-140

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	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 77.9 % 43-149

Surrogate: 1-Chlorooctadecane 88.6 % 42.5-161

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Analytical Results For:

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

Received: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 132 @ 5' (H223288-02)

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	07/28/2022	ND	2.04	102	2.00	2.42		
Toluene*	<0.050	0.050	07/28/2022	ND	2.14	107	2.00	2.15		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.18	109	2.00	2.64		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.70	112	6.00	2.76		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 69.9-140

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	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 68.7 % 43-149

Surrogate: 1-Chlorooctadecane 77.6 % 42.5-161

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Analytical Results For:

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

Received: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 131 @ 5' (H223288-03)

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	07/28/2022	ND	2.04	102	2.00	2.42	
Toluene*	<0.050	0.050	07/28/2022	ND	2.14	107	2.00	2.15	
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.18	109	2.00	2.64	
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.70	112	6.00	2.76	
Total BTEx	<0.300	0.300	07/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 78.9 % 43-149

Surrogate: 1-Chlorooctadecane 88.8 % 42.5-161

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Analytical Results For:

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

Received: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 130 @ 5' (H223288-04)

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	07/28/2022	ND	2.04	102	2.00	2.42		
Toluene*	<0.050	0.050	07/28/2022	ND	2.14	107	2.00	2.15		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.18	109	2.00	2.64		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.70	112	6.00	2.76		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

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	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 69.9 % 43-149

Surrogate: 1-Chlorooctadecane 80.5 % 42.5-161

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Analytical Results For:

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

Received: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 129 @ 5' (H223288-05)

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	07/28/2022	ND	2.04	102	2.00	2.42		
Toluene*	<0.050	0.050	07/28/2022	ND	2.14	107	2.00	2.15		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.18	109	2.00	2.64		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.70	112	6.00	2.76		
Total BTX	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

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	07/28/2022	ND	432	108	400	0.00	QR-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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 62.7 % 43-149

Surrogate: 1-Chlorooctadecane 72.2 % 42.5-161

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Analytical Results For:

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

Received: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 127 @ 5' (H223288-06)

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	07/28/2022	ND	2.04	102	2.00	2.42		
Toluene*	<0.050	0.050	07/28/2022	ND	2.14	107	2.00	2.15		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.18	109	2.00	2.64		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.70	112	6.00	2.76		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 81.5 % 43-149

Surrogate: 1-Chlorooctadecane 92.0 % 42.5-161

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Analytical Results For:

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

Received: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 126 @ 5' (H223288-07)

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	07/28/2022	ND	2.04	102	2.00	2.42	
Toluene*	<0.050	0.050	07/28/2022	ND	2.14	107	2.00	2.15	
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.18	109	2.00	2.64	
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.70	112	6.00	2.76	
Total BTX	<0.300	0.300	07/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 81.0 % 43-149

Surrogate: 1-Chlorooctadecane 90.7 % 42.5-161

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Analytical Results For:

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

Received: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 125 @ 5' (H223288-08)

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	07/28/2022	ND	2.04	102	2.00	2.42		
Toluene*	0.053	0.050	07/28/2022	ND	2.14	107	2.00	2.15		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.18	109	2.00	2.64		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.70	112	6.00	2.76		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 79.8 % 43-149

Surrogate: 1-Chlorooctadecane 89.0 % 42.5-161

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Analytical Results For:

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

Received: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 124 @ 5' (H223288-09)

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	07/28/2022	ND	2.04	102	2.00	2.42		
Toluene*	<0.050	0.050	07/28/2022	ND	2.14	107	2.00	2.15		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.18	109	2.00	2.64		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.70	112	6.00	2.76		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 76.0 % 43-149

Surrogate: 1-Chlorooctadecane 85.5 % 42.5-161

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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: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 123 @ 5' (H223288-10)

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	07/28/2022	ND	2.04	102	2.00	2.42		
Toluene*	<0.050	0.050	07/28/2022	ND	2.14	107	2.00	2.15		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.18	109	2.00	2.64		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.70	112	6.00	2.76		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

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	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 80.5 % 43-149

Surrogate: 1-Chlorooctadecane 90.7 % 42.5-161

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Analytical Results For:

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

Received: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 122 @ 5' (H223288-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2022	ND	2.04	102	2.00	2.42		
Toluene*	<0.050	0.050	07/28/2022	ND	2.14	107	2.00	2.15		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.18	109	2.00	2.64		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.70	112	6.00	2.76		
Total BTX	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 80.0 % 43-149

Surrogate: 1-Chlorooctadecane 89.8 % 42.5-161

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Analytical Results For:

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

Received: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 121 @ 5' (H223288-12)

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	07/28/2022	ND	2.04	102	2.00	2.42		
Toluene*	<0.050	0.050	07/28/2022	ND	2.14	107	2.00	2.15		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.18	109	2.00	2.64		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.70	112	6.00	2.76		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 72.6 % 43-149

Surrogate: 1-Chlorooctadecane 81.9 % 42.5-161

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Analytical Results For:

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

Received: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 120 @ 5' (H223288-13)

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	07/28/2022	ND	2.04	102	2.00	2.42		
Toluene*	<0.050	0.050	07/28/2022	ND	2.14	107	2.00	2.15		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.18	109	2.00	2.64		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.70	112	6.00	2.76		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 68.0 % 43-149

Surrogate: 1-Chlorooctadecane 76.5 % 42.5-161

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Analytical Results For:

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

Received: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 119 @ 5' (H223288-14)

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	07/28/2022	ND	2.04	102	2.00	2.42		
Toluene*	<0.050	0.050	07/28/2022	ND	2.14	107	2.00	2.15		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.18	109	2.00	2.64		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.70	112	6.00	2.76		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 74.5 % 43-149

Surrogate: 1-Chlorooctadecane 83.7 % 42.5-161

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Analytical Results For:

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

Received: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 118 @ 5' (H223288-15)

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	07/28/2022	ND	2.04	102	2.00	2.42		
Toluene*	<0.050	0.050	07/28/2022	ND	2.14	107	2.00	2.15		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.18	109	2.00	2.64		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.70	112	6.00	2.76		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 69.5 % 43-149

Surrogate: 1-Chlorooctadecane 78.3 % 42.5-161

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Analytical Results For:

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

Received: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 383 @ 5' (H223288-16)

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	07/28/2022	ND	2.04	102	2.00	2.42		
Toluene*	<0.050	0.050	07/28/2022	ND	2.14	107	2.00	2.15		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.18	109	2.00	2.64		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.70	112	6.00	2.76		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 76.3 % 43-149

Surrogate: 1-Chlorooctadecane 86.7 % 42.5-161

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Analytical Results For:

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

Received: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 382 @ 5' (H223288-17)

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	07/28/2022	ND	2.04	102	2.00	2.42	
Toluene*	<0.050	0.050	07/28/2022	ND	2.14	107	2.00	2.15	
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.18	109	2.00	2.64	
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.70	112	6.00	2.76	
Total BTEx	<0.300	0.300	07/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 72.5 % 43-149

Surrogate: 1-Chlorooctadecane 80.1 % 42.5-161

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Analytical Results For:

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

Received: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 381 @ 5' (H223288-18)

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	07/28/2022	ND	2.04	102	2.00	2.42		
Toluene*	<0.050	0.050	07/28/2022	ND	2.14	107	2.00	2.15		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.18	109	2.00	2.64		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.70	112	6.00	2.76		
Total BTEx	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

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	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 76.1 % 43-149

Surrogate: 1-Chlorooctadecane 88.4 % 42.5-161

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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: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 380 @ 5' (H223288-19)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/28/2022	ND	1.94	97.2	2.00	0.114	
Toluene*	<0.050	0.050	07/28/2022	ND	2.12	106	2.00	1.16	
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.07	103	2.00	0.334	
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.45	107	6.00	1.19	
Total BTX	<0.300	0.300	07/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 69.1 % 43-149

Surrogate: 1-Chlorooctadecane 79.0 % 42.5-161

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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: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 93 E @ 3' (H223288-20)

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	07/28/2022	ND	1.94	97.2	2.00	0.114		
Toluene*	<0.050	0.050	07/28/2022	ND	2.12	106	2.00	1.16		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.07	103	2.00	0.334		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.45	107	6.00	1.19		
Total BTX	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	07/28/2022	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	07/27/2022	ND	191	95.4	200	3.31	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	207	103	200	3.75	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 77.2 % 43-149

Surrogate: 1-Chlorooctadecane 86.9 % 42.5-161

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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: 07/26/2022
 Reported: 08/01/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 07/26/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 14 W @ 3' (H223288-21)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/28/2022	ND	1.94	97.2	2.00	0.114		
Toluene*	<0.050	0.050	07/28/2022	ND	2.12	106	2.00	1.16		
Ethylbenzene*	<0.050	0.050	07/28/2022	ND	2.07	103	2.00	0.334		
Total Xylenes*	<0.150	0.150	07/28/2022	ND	6.45	107	6.00	1.19		
Total BTX	<0.300	0.300	07/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	07/28/2022	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	07/27/2022	ND	215	107	200	2.65	
DRO >C10-C28*	<10.0	10.0	07/27/2022	ND	219	110	200	2.76	
EXT DRO >C28-C36	<10.0	10.0	07/27/2022	ND					

Surrogate: 1-Chlorooctane 85.5 % 43-149

Surrogate: 1-Chlorooctadecane 79.9 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager

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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.
A-01	Ending CCV failed high for DRO. All samples were 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".

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories		101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	
Company Name: Trinity Oilfield Services				BILL TO	
Project Manager: Dan Dunkelberg				P.O. #:	
Address: 8426 N Dal Paso				Company: Newbourne Oil Co.	
City: Hobbs				Attn: Robbie Runnels	
State: NM Zip: 88241				Address:	
Phone #:				City:	
Project #:				State:	
Project Name: YARDBIRDS 34 WZNC RISER				Zip:	
Project Location: Eddy Co., NM				Phone #:	
Sampler Name: KA				Fax #:	
FOR LAB USE ONLY				MATRIX	
Lab I.D. H233288				Sample I.D.	
1 PR-133 @ 5'				C 1	
2 PR-132 @ 5'				C 1	
3 PR-131 @ 5'				C 1	
4 PR-130 @ 5'				C 1	
5 PR-129 @ 5'				C 1	
6 PR-127 @ 5'				C 1	
7 PR-126 @ 5'				C 1	
8 PR-125 @ 5'				C 1	
9 PR-124 @ 5'				C 1	
10 PR-123 @ 5'				C 1	
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Relinquished By: [Signature]				Received By: [Signature]	
Relinquished By: [Signature]				Received By: [Signature]	
Date: 12/16/22				Time: 1500	
Delivered By: (Circle One)				Observed Temp. °C: 28.4	
Corrected Temp. °C: 28.8				Sample Condition	
Cool Intact				Checked By: [Signature]	
Yes				Initials: [Signature]	
No				Turnaround Time:	
Standard				X	
Rush				Bacteria (only) Sample Condition	
Cool				Cool	
Yes				Intact	
No				Yes	
No				Observed Temp. °C	
Corrected Temp. °C					
Thermometer ID #113				Correction Factor ΔT °C	
90.7/26/22					
Cardinal cannot accept verbal changes. Please email changes to cately.keene@cardinalabsnm.com					

 CARDINAL Laboratories		101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	
Company Name: Trinity Oilfield Services Project Manager: Dan Dunkelberg Address: 8426 N Dal Paso City: Hobbs State: NM Zip: 88241 Phone #: Fax #: Project #: Project Name: YARDBIRDS 34 WZNC RISER Project Location: Eddy Co., NM Sampler Name: KA				BILL TO P.O. #: Company: Mewbourne Oil Co. Attn: Robbie Runnels Address: City: State: Zip: Phone #: Fax #:	
FOR LAB USE ONLY				ANALYSIS REQUEST	
Lab I.D. H223288	Sample I.D. PR-122 @ 5' PR-121 @ 5' PR-120 @ 5' PR-119 @ 5' PR-118 @ 5' PR-383 @ 5' PR-382 @ 5' PR-381 @ 5' PR-380 @ 5' Wall-93 E @ 3'	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	DATE TIME	Chloride TPH BTEX	
11	PR-122 @ 5'	C 1	7/26/2022	955	X
12	PR-121 @ 5'	C 1	7/26/2022	1000	X
13	PR-120 @ 5'	C 1	7/26/2022	1005	X
14	PR-119 @ 5'	C 1	7/26/2022	1010	X
15	PR-118 @ 5'	C 1	7/26/2022	1015	X
16	PR-383 @ 5'	C 1	7/26/2022	1020	X
17	PR-382 @ 5'	C 1	7/26/2022	1025	X
18	PR-381 @ 5'	C 1	7/26/2022	1030	X
19	PR-380 @ 5'	C 1	7/26/2022	1035	X
20	Wall-93 E @ 3'	C	7/26/2022	1040	X

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Relinquished By: 	Received By: 7/26/22 	Verbal Result: All Results are emailed. Please provide Email address:	Add'l Phone #:
Relinquished By: 	Received By: 7/26/22 	REMARKS:	

Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C 33.4 Corrected Temp. °C 29.8	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) YD	Turnaround Time:	Standard Rush <input type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Observed Temp. °C 	Corrected Temp. °C
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† Cardinal cannot accept verbal changes. Please email changes to cely.keene@cardinalabsnm.com

Page 26 of 26



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

August 05, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 08/01/22 16:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at 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:	08/01/2022	Sampling Date:	08/01/2022
Reported:	08/05/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: PR - 112 @ 6' (H223391-01)

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	08/04/2022	ND	1.75	87.6	2.00	15.9		
Toluene*	<0.050	0.050	08/04/2022	ND	1.78	89.2	2.00	17.1		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.78	89.1	2.00	17.2		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	5.43	90.4	6.00	17.4		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	08/04/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/04/2022	ND	219	110	200	8.06	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	223	111	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 80.2 % 43-149

Surrogate: 1-Chlorooctadecane 80.3 % 42.5-161

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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: 08/01/2022
 Reported: 08/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 117 @ 6' (H223391-02)

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	08/04/2022	ND	1.75	87.6	2.00	15.9		
Toluene*	<0.050	0.050	08/04/2022	ND	1.78	89.2	2.00	17.1		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.78	89.1	2.00	17.2		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	5.43	90.4	6.00	17.4		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/04/2022	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	08/04/2022	ND	219	110	200	8.06	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	223	111	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 84.2 % 43-149

Surrogate: 1-Chlorooctadecane 84.2 % 42.5-161

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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: 08/01/2022
 Reported: 08/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 184 @ 2' (H223391-03)

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	08/04/2022	ND	1.75	87.6	2.00	15.9		
Toluene*	<0.050	0.050	08/04/2022	ND	1.78	89.2	2.00	17.1		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.78	89.1	2.00	17.2		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	5.43	90.4	6.00	17.4		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	08/04/2022	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	08/04/2022	ND	219	110	200	8.06	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	223	111	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 89.3 % 43-149

Surrogate: 1-Chlorooctadecane 88.0 % 42.5-161

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Analytical Results For:

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

Received: 08/01/2022
 Reported: 08/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 22 @ 5' (H223391-04)

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	08/04/2022	ND	1.75	87.6	2.00	15.9		
Toluene*	<0.050	0.050	08/04/2022	ND	1.78	89.2	2.00	17.1		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.78	89.1	2.00	17.2		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	5.43	90.4	6.00	17.4		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/04/2022	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	08/04/2022	ND	219	110	200	8.06	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	223	111	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 92.4 % 43-149

Surrogate: 1-Chlorooctadecane 90.9 % 42.5-161

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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: 08/01/2022
 Reported: 08/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 23 @ 5' (H223391-05)

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	08/04/2022	ND	1.75	87.6	2.00	15.9		
Toluene*	<0.050	0.050	08/04/2022	ND	1.78	89.2	2.00	17.1		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.78	89.1	2.00	17.2		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	5.43	90.4	6.00	17.4		
Total BTEX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

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	08/04/2022	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	08/04/2022	ND	219	110	200	8.06	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	223	111	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 43-149

Surrogate: 1-Chlorooctadecane 83.3 % 42.5-161

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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: 08/01/2022
 Reported: 08/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 24 @ 5' (H223391-06)

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	08/04/2022	ND	1.75	87.6	2.00	15.9		
Toluene*	<0.050	0.050	08/04/2022	ND	1.78	89.2	2.00	17.1		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.78	89.1	2.00	17.2		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	5.43	90.4	6.00	17.4		
Total BTX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 69.9-140

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	08/04/2022	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	08/04/2022	ND	219	110	200	8.06	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	223	111	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 89.2 % 43-149

Surrogate: 1-Chlorooctadecane 90.6 % 42.5-161

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Analytical Results For:

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

Received: 08/01/2022
 Reported: 08/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 25 @ 5' (H223391-07)

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	08/04/2022	ND	1.75	87.6	2.00	15.9		
Toluene*	<0.050	0.050	08/04/2022	ND	1.78	89.2	2.00	17.1		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.78	89.1	2.00	17.2		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	5.43	90.4	6.00	17.4		
Total BTX	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

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	08/04/2022	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	08/04/2022	ND	219	110	200	8.06	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	223	111	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 88.0 % 43-149

Surrogate: 1-Chlorooctadecane 85.9 % 42.5-161

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Analytical Results For:

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

Received: 08/01/2022
 Reported: 08/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 26 @ 5' (H223391-08)

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	08/04/2022	ND	1.75	87.6	2.00	15.9		
Toluene*	<0.050	0.050	08/04/2022	ND	1.78	89.2	2.00	17.1		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.78	89.1	2.00	17.2		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	5.43	90.4	6.00	17.4		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/04/2022	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	08/04/2022	ND	219	110	200	8.06	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	223	111	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 93.1 % 43-149

Surrogate: 1-Chlorooctadecane 94.1 % 42.5-161

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Analytical Results For:

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

Received: 08/01/2022
 Reported: 08/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 27 @ 5' (H223391-09)

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	08/04/2022	ND	1.75	87.6	2.00	15.9		
Toluene*	<0.050	0.050	08/04/2022	ND	1.78	89.2	2.00	17.1		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.78	89.1	2.00	17.2		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	5.43	90.4	6.00	17.4		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 69.9-140

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	08/04/2022	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	08/04/2022	ND	219	110	200	8.06	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	223	111	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 102 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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Analytical Results For:

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

Received: 08/01/2022
 Reported: 08/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 28 @ 5' (H223391-10)

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	08/04/2022	ND	1.75	87.6	2.00	15.9		
Toluene*	<0.050	0.050	08/04/2022	ND	1.78	89.2	2.00	17.1		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.78	89.1	2.00	17.2		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	5.43	90.4	6.00	17.4		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

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	08/04/2022	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	08/04/2022	ND	240	120	200	2.61	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	262	131	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 79.5 % 43-149

Surrogate: 1-Chlorooctadecane 81.6 % 42.5-161

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Analytical Results For:

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

Received: 08/01/2022
 Reported: 08/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 29 @ 5' (H223391-11)

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	08/04/2022	ND	1.75	87.6	2.00	15.9		
Toluene*	<0.050	0.050	08/04/2022	ND	1.78	89.2	2.00	17.1		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.78	89.1	2.00	17.2		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	5.43	90.4	6.00	17.4		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/04/2022	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	08/04/2022	ND	240	120	200	2.61	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	262	131	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 43-149

Surrogate: 1-Chlorooctadecane 89.1 % 42.5-161

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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: 08/01/2022
 Reported: 08/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 46 @ 5' (H223391-12)

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	08/04/2022	ND	1.75	87.6	2.00	15.9		
Toluene*	<0.050	0.050	08/04/2022	ND	1.78	89.2	2.00	17.1		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.78	89.1	2.00	17.2		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	5.43	90.4	6.00	17.4		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

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	08/04/2022	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	08/04/2022	ND	240	120	200	2.61	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	262	131	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 71.9 % 43-149

Surrogate: 1-Chlorooctadecane 72.9 % 42.5-161

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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: 08/01/2022
 Reported: 08/05/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/01/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 62 @ 5' (H223391-13)

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	08/04/2022	ND	1.75	87.6	2.00	15.9		
Toluene*	<0.050	0.050	08/04/2022	ND	1.78	89.2	2.00	17.1		
Ethylbenzene*	<0.050	0.050	08/04/2022	ND	1.78	89.1	2.00	17.2		
Total Xylenes*	<0.150	0.150	08/04/2022	ND	5.43	90.4	6.00	17.4		
Total BTEx	<0.300	0.300	08/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/04/2022	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	08/04/2022	ND	240	120	200	2.61	
DRO >C10-C28*	<10.0	10.0	08/04/2022	ND	262	131	200	4.30	
EXT DRO >C28-C36	<10.0	10.0	08/04/2022	ND					

Surrogate: 1-Chlorooctane 101 % 43-149

Surrogate: 1-Chlorooctadecane 106 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories										101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST									
Company Name: Trinity Oilfield Services										P.O. #:		BILL TO									
Project Manager: Dan Dunkelberg										Company:		Menckhouse Oil Co.									
Address: 8426 N Dal Paso										Attn:		Robbie Runnels									
City: Hobbs										State: NM Zip: 88241		Address:									
Phone #:										Fax #:		City:									
Project #:										Project Owner: (see below)		State: Zip:									
Project Name: VARDBIRDS 34 WZNC RISER										dan@trinityoilfieldservices.com		Phone #:									
Project Location: Eddy Co., NM										Fax #:		SAMPLING									
Sampler Name: KA																					
FOR LAB USE ONLY																					
Lab I.D. H223391																					
Sample I.D.																					
PR-112 @ 6'										C 1		8/1/2022 900									
PR-117 @ 6'										C 1		8/1/2022 905									
PR-184 @ 2'										C 1		8/1/2022 910									
PR-22 @ 5'										C 1		8/1/2022 915									
PR-23 @ 5'										C 1		8/1/2022 920									
PR-24 @ 5'										C 1		8/1/2022 925									
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PR-26 @ 5'										C 1		8/1/2022 935									
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PR-205 @ 5'										C 1		8/1/2022 945									
PR-206 @ 5'										C 1		8/1/2022 945									
PR-207 @ 5'										C 1		8/1/2022 945									
PR-208 @ 5'										C 1		8/1/2022 945									
PR-209 @ 5'										C 1		8/1/2022 945									
PR-210 @ 5'										C 1		8/1/2022 945									
PR-211 @ 5'										C 1		8/1/2022 945									
PR-212 @ 5'										C 1		8/1/2022 945									
PR-213 @ 5'										C 1		8/1/2022 945									
PR-214 @ 5'										C 1		8/1/2022 945									
PR-215 @ 5'										C 1		8/1/2022 945									
PR-216 @ 5'										C 1		8/1/2022 9									

Page 17 of 17



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

August 08, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 08/03/22 15:15.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at 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: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 20 @ 5' (H223473-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/05/2022	ND	2.04	102	2.00	7.70	
Toluene*	<0.050	0.050	08/05/2022	ND	2.13	107	2.00	7.71	
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	2.16	108	2.00	7.82	
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.66	111	6.00	8.23	
Total BTX	<0.300	0.300	08/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

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	08/05/2022	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	08/05/2022	ND	211	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	218	109	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 90.2 % 43-149

Surrogate: 1-Chlorooctadecane 88.7 % 42.5-161

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 21 @ 5' (H223473-02)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTEx	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

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	08/05/2022	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	08/05/2022	ND	211	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	218	109	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 85.9 % 43-149

Surrogate: 1-Chlorooctadecane 84.3 % 42.5-161

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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: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 29 @ 5' (H223473-03)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTEx	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/05/2022	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	08/05/2022	ND	211	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	218	109	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 91.5 % 43-149

Surrogate: 1-Chlorooctadecane 89.6 % 42.5-161

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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: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 30 @ 5' (H223473-04)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTEx	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

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	08/05/2022	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	08/05/2022	ND	211	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	218	109	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 86.8 % 43-149

Surrogate: 1-Chlorooctadecane 83.6 % 42.5-161

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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: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 41 @ 5' (H223473-05)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTEx	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

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	08/05/2022	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	08/05/2022	ND	211	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	218	109	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 85.6 % 43-149

Surrogate: 1-Chlorooctadecane 84.9 % 42.5-161

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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: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 42 @ 5' (H223473-06)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTX	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/05/2022	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	08/05/2022	ND	211	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	218	109	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 83.2 % 43-149

Surrogate: 1-Chlorooctadecane 79.8 % 42.5-161

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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: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 43 @ 5' (H223473-07)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTEx	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	08/05/2022	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	08/05/2022	ND	211	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	218	109	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 43-149

Surrogate: 1-Chlorooctadecane 87.1 % 42.5-161

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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: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 44 @ 5' (H223473-08)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTEx	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	08/05/2022	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	08/05/2022	ND	211	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	218	109	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 91.5 % 43-149

Surrogate: 1-Chlorooctadecane 89.8 % 42.5-161

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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: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 48 @ 5' (H223473-09)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTEx	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	08/05/2022	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	08/05/2022	ND	211	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	218	109	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 83.3 % 43-149

Surrogate: 1-Chlorooctadecane 83.3 % 42.5-161

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Analytical Results For:

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

Received: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 57 @ 5' (H223473-10)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTX	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/05/2022	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	08/05/2022	ND	211	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	218	109	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 83.2 % 43-149

Surrogate: 1-Chlorooctadecane 80.4 % 42.5-161

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Analytical Results For:

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

Received: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 58 @ 5' (H223473-11)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTEx	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/05/2022	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	08/05/2022	ND	211	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	218	109	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 95.9 % 43-149

Surrogate: 1-Chlorooctadecane 94.0 % 42.5-161

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Analytical Results For:

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

Received: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 59 @ 5' (H223473-12)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTEx	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/05/2022	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	08/05/2022	ND	211	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	218	109	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 86.8 % 43-149

Surrogate: 1-Chlorooctadecane 83.3 % 42.5-161

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Analytical Results For:

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

Received: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 60 @ 5' (H223473-13)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTEx	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/05/2022	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	08/05/2022	ND	211	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	218	109	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 88.3 % 43-149

Surrogate: 1-Chlorooctadecane 86.2 % 42.5-161

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Analytical Results For:

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

Received: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 61 @ 5' (H223473-14)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTEx	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/05/2022	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	08/05/2022	ND	211	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	218	109	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 94.0 % 43-149

Surrogate: 1-Chlorooctadecane 90.4 % 42.5-161

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Analytical Results For:

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

Received: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 63 @ 5' (H223473-15)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTEx	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/05/2022	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	08/05/2022	ND	211	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	218	109	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 90.7 % 43-149

Surrogate: 1-Chlorooctadecane 87.5 % 42.5-161

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Analytical Results For:

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

Received: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 64 @ 5' (H223473-16)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTX	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/05/2022	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	08/05/2022	ND	211	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	218	109	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 78.9 % 43-149

Surrogate: 1-Chlorooctadecane 76.5 % 42.5-161

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

Received: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 65 @ 5' (H223473-17)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTEx	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	08/05/2022	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	08/05/2022	ND	211	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	218	109	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 102 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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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: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 66 @ 5' (H223473-18)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTEx	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

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	08/05/2022	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	08/05/2022	ND	211	105	200	9.07	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	218	109	200	7.24	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 88.1 % 43-149

Surrogate: 1-Chlorooctadecane 87.1 % 42.5-161

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Analytical Results For:

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

Received: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 67 @ 5' (H223473-19)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTEx	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/05/2022	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	08/05/2022	ND	196	98.2	200	2.33	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	213	107	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 80.0 % 43-149

Surrogate: 1-Chlorooctadecane 93.3 % 42.5-161

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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: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 68 @ 5' (H223473-20)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTX	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/05/2022	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	08/05/2022	ND	196	98.2	200	2.33	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	213	107	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 78.3 % 43-149

Surrogate: 1-Chlorooctadecane 89.8 % 42.5-161

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Analytical Results For:

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

Received: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 69 @ 5' (H223473-21)

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	08/05/2022	ND	1.79	89.3	2.00	7.69		
Toluene*	<0.050	0.050	08/05/2022	ND	1.96	98.0	2.00	4.83		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	1.94	97.2	2.00	4.30		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.03	101	6.00	4.34		
Total BTEx	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/05/2022	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	08/05/2022	ND	196	98.2	200	2.33	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	213	107	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 68.1 % 43-149

Surrogate: 1-Chlorooctadecane 77.9 % 42.5-161

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Analytical Results For:

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

Received: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 70 @ 5' (H223473-22)

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	08/05/2022	ND	2.06	103	2.00	2.93	
Toluene*	<0.050	0.050	08/05/2022	ND	2.14	107	2.00	3.10	
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	2.14	107	2.00	2.50	
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.48	108	6.00	1.53	
Total BTEx	<0.300	0.300	08/05/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	08/05/2022	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	08/05/2022	ND	196	98.2	200	2.33	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	213	107	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 70.6 % 43-149

Surrogate: 1-Chlorooctadecane 82.3 % 42.5-161

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Analytical Results For:

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

Received: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 71 @ 5' (H223473-23)

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	08/05/2022	ND	2.06	103	2.00	2.93		
Toluene*	<0.050	0.050	08/05/2022	ND	2.14	107	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	2.14	107	2.00	2.50		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.48	108	6.00	1.53		
Total BTEX	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	08/05/2022	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	08/05/2022	ND	196	98.2	200	2.33	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	213	107	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 74.3 % 43-149

Surrogate: 1-Chlorooctadecane 86.6 % 42.5-161

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Analytical Results For:

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

Received: 08/03/2022
 Reported: 08/08/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/03/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 72 @ 5' (H223473-24)

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	08/05/2022	ND	2.06	103	2.00	2.93		
Toluene*	<0.050	0.050	08/05/2022	ND	2.14	107	2.00	3.10		
Ethylbenzene*	<0.050	0.050	08/05/2022	ND	2.14	107	2.00	2.50		
Total Xylenes*	<0.150	0.150	08/05/2022	ND	6.48	108	6.00	1.53		
Total BTEx	<0.300	0.300	08/05/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/05/2022	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	08/05/2022	ND	196	98.2	200	2.33	
DRO >C10-C28*	<10.0	10.0	08/05/2022	ND	213	107	200	2.12	
EXT DRO >C28-C36	<10.0	10.0	08/05/2022	ND					

Surrogate: 1-Chlorooctane 84.3 % 43-149

Surrogate: 1-Chlorooctadecane 97.9 % 42.5-161

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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

Page 27 of 29

Page 28 of 29



CARDINAL
Laboratories

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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

BILL TO

Company Name: Trinity Oilfield Services

Project Manager: Dan Dunkelberg

Address: 8426 N Dal Paso

City: Hobbs

Phone #:

Project #:

Project Name: YARDBIRDS 34 WZNC RISE

Project Location: Eddy Co., NM

Sampler Name: KA

FOR LAB USE ONLY

P.O. #:

Company: Merbourne Oil Co.

Attn: Robbie Runnels

Address:

City:

State: 0

Zip: 0

Phone #:

Fax #:

SAMPLING

PRESERV

MATRIX

OTHER :

ICE / COOL

ACID/BASE:

OTHER :

DATE

TIME

Chloride

TPH

BTEX

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTE/WATER

SOIL

OIL

SLUDGE

OTHER :

DATE

TIME

Chloride

TPH

BTEX

Sample I.D.

Lab I.D.

PR-69 @ 5'

PR-70 @ 5'

PR-71 @ 5'

PR-72 @ 5'

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

August 11, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 08/08/22 12:10.

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

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: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 14 @ 5' (H223525-01)

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	08/09/2022	ND	1.87	93.7	2.00	0.622		
Toluene*	<0.050	0.050	08/09/2022	ND	1.96	97.8	2.00	0.0556		
Ethylbenzene*	<0.050	0.050	08/09/2022	ND	2.00	99.8	2.00	0.0423		
Total Xylenes*	<0.150	0.150	08/09/2022	ND	6.14	102	6.00	0.230		
Total BTEx	<0.300	0.300	08/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/10/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	206	103	200	11.9	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	229	114	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 93.3 % 43-149

Surrogate: 1-Chlorooctadecane 91.9 % 42.5-161

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 15 @ 5' (H223525-02)

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	08/09/2022	ND	1.87	93.7	2.00	0.622	
Toluene*	<0.050	0.050	08/09/2022	ND	1.96	97.8	2.00	0.0556	
Ethylbenzene*	<0.050	0.050	08/09/2022	ND	2.00	99.8	2.00	0.0423	
Total Xylenes*	<0.150	0.150	08/09/2022	ND	6.14	102	6.00	0.230	
Total BTX	<0.300	0.300	08/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/10/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	206	103	200	11.9	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	229	114	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 97.2 % 43-149

Surrogate: 1-Chlorooctadecane 95.7 % 42.5-161

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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: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 16 @ 5' (H223525-03)

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	08/09/2022	ND	1.95	97.4	2.00	9.78		
Toluene*	<0.050	0.050	08/09/2022	ND	2.04	102	2.00	10.7		
Ethylbenzene*	<0.050	0.050	08/09/2022	ND	2.07	103	2.00	10.8		
Total Xylenes*	<0.150	0.150	08/09/2022	ND	6.30	105	6.00	10.6		
Total BTX	<0.300	0.300	08/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/10/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	206	103	200	11.9	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	229	114	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 81.7 % 43-149

Surrogate: 1-Chlorooctadecane 80.4 % 42.5-161

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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: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 17 @ 5' (H223525-04)

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	08/09/2022	ND	1.95	97.4	2.00	9.78	
Toluene*	<0.050	0.050	08/09/2022	ND	2.04	102	2.00	10.7	
Ethylbenzene*	<0.050	0.050	08/09/2022	ND	2.07	103	2.00	10.8	
Total Xylenes*	<0.150	0.150	08/09/2022	ND	6.30	105	6.00	10.6	
Total BTX	<0.300	0.300	08/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/10/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	206	103	200	11.9	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	229	114	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 84.7 % 43-149

Surrogate: 1-Chlorooctadecane 84.3 % 42.5-161

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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: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 18 @ 5' (H223525-05)

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	08/09/2022	ND	1.95	97.4	2.00	9.78		
Toluene*	<0.050	0.050	08/09/2022	ND	2.04	102	2.00	10.7		
Ethylbenzene*	<0.050	0.050	08/09/2022	ND	2.07	103	2.00	10.8		
Total Xylenes*	<0.150	0.150	08/09/2022	ND	6.30	105	6.00	10.6		
Total BTEx	<0.300	0.300	08/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/10/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	206	103	200	11.9	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	229	114	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 81.1 % 43-149

Surrogate: 1-Chlorooctadecane 81.6 % 42.5-161

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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: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 19 @ 5' (H223525-06)

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	08/09/2022	ND	1.95	97.4	2.00	9.78		
Toluene*	<0.050	0.050	08/09/2022	ND	2.04	102	2.00	10.7		
Ethylbenzene*	<0.050	0.050	08/09/2022	ND	2.07	103	2.00	10.8		
Total Xylenes*	<0.150	0.150	08/09/2022	ND	6.30	105	6.00	10.6		
Total BTX	<0.300	0.300	08/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/10/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	206	103	200	11.9	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	229	114	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 83.8 % 43-149

Surrogate: 1-Chlorooctadecane 84.2 % 42.5-161

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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: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 31 @ 5' (H223525-07)

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	08/09/2022	ND	1.95	97.4	2.00	9.78	
Toluene*	<0.050	0.050	08/09/2022	ND	2.04	102	2.00	10.7	
Ethylbenzene*	<0.050	0.050	08/09/2022	ND	2.07	103	2.00	10.8	
Total Xylenes*	<0.150	0.150	08/09/2022	ND	6.30	105	6.00	10.6	
Total BTX	<0.300	0.300	08/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/10/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	206	103	200	11.9	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	229	114	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 88.0 % 43-149

Surrogate: 1-Chlorooctadecane 88.4 % 42.5-161

Cardinal Laboratories

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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: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 32 @ 5' (H223525-08)

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	08/09/2022	ND	1.95	97.4	2.00	9.78		
Toluene*	<0.050	0.050	08/09/2022	ND	2.04	102	2.00	10.7		
Ethylbenzene*	<0.050	0.050	08/09/2022	ND	2.07	103	2.00	10.8		
Total Xylenes*	<0.150	0.150	08/09/2022	ND	6.30	105	6.00	10.6		
Total BTEx	<0.300	0.300	08/09/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/10/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	206	103	200	11.9	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	229	114	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 94.3 % 43-149

Surrogate: 1-Chlorooctadecane 96.3 % 42.5-161

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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: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 33 @ 5' (H223525-09)

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	08/09/2022	ND	1.92	95.9	2.00	1.95	
Toluene*	<0.050	0.050	08/09/2022	ND	2.01	101	2.00	1.71	
Ethylbenzene*	<0.050	0.050	08/09/2022	ND	2.05	103	2.00	1.64	
Total Xylenes*	<0.150	0.150	08/09/2022	ND	6.32	105	6.00	1.81	
Total BTEx	<0.300	0.300	08/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/10/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	206	103	200	11.9	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	229	114	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 84.2 % 43-149

Surrogate: 1-Chlorooctadecane 82.8 % 42.5-161

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Analytical Results For:

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

Received: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 40 @ 5' (H223525-10)

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	08/09/2022	ND	1.92	95.9	2.00	1.95	
Toluene*	<0.050	0.050	08/09/2022	ND	2.01	101	2.00	1.71	
Ethylbenzene*	<0.050	0.050	08/09/2022	ND	2.05	103	2.00	1.64	
Total Xylenes*	<0.150	0.150	08/09/2022	ND	6.32	105	6.00	1.81	
Total BTX	<0.300	0.300	08/09/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/10/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	206	103	200	11.9	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	229	114	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 92.0 % 43-149

Surrogate: 1-Chlorooctadecane 90.5 % 42.5-161

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Analytical Results For:

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

Received: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 47 @ 5' (H223525-11)

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	08/10/2022	ND	1.84	91.9	2.00	1.32		
Toluene*	<0.050	0.050	08/10/2022	ND	2.03	101	2.00	0.623		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.93	96.7	2.00	0.504		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.06	101	6.00	0.718		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/10/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	206	103	200	11.9	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	229	114	200	7.06	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 92.9 % 43-149

Surrogate: 1-Chlorooctadecane 91.7 % 42.5-161

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Analytical Results For:

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

Received: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 53 @ 5' (H223525-12)

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	08/10/2022	ND	1.84	91.9	2.00	1.32		
Toluene*	<0.050	0.050	08/10/2022	ND	2.03	101	2.00	0.623		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.93	96.7	2.00	0.504		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.06	101	6.00	0.718		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/10/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2022	ND	210	105	200	1.37	
DRO >C10-C28*	169	10.0	08/09/2022	ND	199	99.3	200	15.1	QM-07
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND					

Surrogate: 1-Chlorooctane 73.3 % 43-149

Surrogate: 1-Chlorooctadecane 96.9 % 42.5-161

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Analytical Results For:

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

Received: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 54 @ 5' (H223525-13)

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	08/10/2022	ND	1.97	98.3	2.00	10.9		
Toluene*	<0.050	0.050	08/10/2022	ND	2.07	104	2.00	12.4		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.11	105	2.00	12.7		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.46	108	6.00	12.8		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/10/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2022	ND	210	105	200	1.37	
DRO >C10-C28*	<10.0	10.0	08/09/2022	ND	199	99.3	200	15.1	
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND					

Surrogate: 1-Chlorooctane 68.8 % 43-149

Surrogate: 1-Chlorooctadecane 79.7 % 42.5-161

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Analytical Results For:

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

Received: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 55 @ 5' (H223525-14)

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	08/10/2022	ND	1.97	98.3	2.00	10.9	
Toluene*	<0.050	0.050	08/10/2022	ND	2.07	104	2.00	12.4	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.11	105	2.00	12.7	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.46	108	6.00	12.8	
Total BTX	<0.300	0.300	08/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/10/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2022	ND	214	107	200	7.29	
DRO >C10-C28*	<10.0	10.0	08/09/2022	ND	202	101	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND					

Surrogate: 1-Chlorooctane 74.6 % 43-149

Surrogate: 1-Chlorooctadecane 86.6 % 42.5-161

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Analytical Results For:

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

Received: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 56 @ 5' (H223525-15)

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	08/10/2022	ND	1.97	98.3	2.00	10.9		
Toluene*	<0.050	0.050	08/10/2022	ND	2.07	104	2.00	12.4		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.11	105	2.00	12.7		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.46	108	6.00	12.8		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/10/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2022	ND	214	107	200	7.29	
DRO >C10-C28*	<10.0	10.0	08/09/2022	ND	202	101	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND					

Surrogate: 1-Chlorooctane 70.8 % 43-149

Surrogate: 1-Chlorooctadecane 80.7 % 42.5-161

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Analytical Results For:

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

Received: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 73 @ 5' (H223525-16)

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	08/10/2022	ND	1.97	98.3	2.00	10.9		
Toluene*	<0.050	0.050	08/10/2022	ND	2.07	104	2.00	12.4		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.11	105	2.00	12.7		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.46	108	6.00	12.8		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/10/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2022	ND	214	107	200	7.29	
DRO >C10-C28*	<10.0	10.0	08/09/2022	ND	202	101	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND					

Surrogate: 1-Chlorooctane 67.9 % 43-149

Surrogate: 1-Chlorooctadecane 76.6 % 42.5-161

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Analytical Results For:

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

Received: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 74 @ 5' (H223525-17)

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	08/10/2022	ND	1.97	98.3	2.00	10.9		
Toluene*	<0.050	0.050	08/10/2022	ND	2.07	104	2.00	12.4		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.11	105	2.00	12.7		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.46	108	6.00	12.8		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/10/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2022	ND	214	107	200	7.29	
DRO >C10-C28*	51.1	10.0	08/09/2022	ND	202	101	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND					

Surrogate: 1-Chlorooctane 74.7 % 43-149

Surrogate: 1-Chlorooctadecane 88.9 % 42.5-161

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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: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 75 @ 5' (H223525-18)

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	08/10/2022	ND	1.97	98.3	2.00	10.9		
Toluene*	<0.050	0.050	08/10/2022	ND	2.07	104	2.00	12.4		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.11	105	2.00	12.7		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.46	108	6.00	12.8		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/10/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2022	ND	214	107	200	7.29	
DRO >C10-C28*	<10.0	10.0	08/09/2022	ND	202	101	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND					

Surrogate: 1-Chlorooctane 81.3 % 43-149

Surrogate: 1-Chlorooctadecane 92.9 % 42.5-161

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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: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 362 @ 5' (H223525-19)

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	08/10/2022	ND	1.97	98.3	2.00	10.9	
Toluene*	<0.050	0.050	08/10/2022	ND	2.07	104	2.00	12.4	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.11	105	2.00	12.7	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.46	108	6.00	12.8	
Total BTEx	<0.300	0.300	08/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/10/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2022	ND	214	107	200	7.29	
DRO >C10-C28*	<10.0	10.0	08/09/2022	ND	202	101	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND					

Surrogate: 1-Chlorooctane 81.8 % 43-149

Surrogate: 1-Chlorooctadecane 93.4 % 42.5-161

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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: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 363 @ 5' (H223525-20)

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	08/10/2022	ND	1.97	98.3	2.00	10.9	
Toluene*	<0.050	0.050	08/10/2022	ND	2.07	104	2.00	12.4	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.11	105	2.00	12.7	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.46	108	6.00	12.8	
Total BTX	<0.300	0.300	08/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/10/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/09/2022	ND	214	107	200	7.29	
DRO >C10-C28*	<10.0	10.0	08/09/2022	ND	202	101	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND					

Surrogate: 1-Chlorooctane 82.7 % 43-149

Surrogate: 1-Chlorooctadecane 92.5 % 42.5-161

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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: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 364 @ 5' (H223525-21)

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	08/10/2022	ND	1.97	98.3	2.00	10.9		
Toluene*	<0.050	0.050	08/10/2022	ND	2.07	104	2.00	12.4		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.11	105	2.00	12.7		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.46	108	6.00	12.8		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/10/2022	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	08/09/2022	ND	214	107	200	7.29	
DRO >C10-C28*	<10.0	10.0	08/09/2022	ND	202	101	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND					

Surrogate: 1-Chlorooctane 78.9 % 43-149

Surrogate: 1-Chlorooctadecane 90.0 % 42.5-161

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Analytical Results For:

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

Received: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 365 @ 5' (H223525-22)

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	08/10/2022	ND	1.97	98.3	2.00	10.9		
Toluene*	<0.050	0.050	08/10/2022	ND	2.07	104	2.00	12.4		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.11	105	2.00	12.7		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.46	108	6.00	12.8		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/10/2022	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	08/09/2022	ND	214	107	200	7.29	
DRO >C10-C28*	<10.0	10.0	08/09/2022	ND	202	101	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 43-149

Surrogate: 1-Chlorooctadecane 98.9 % 42.5-161

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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: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 398 @ 5' (H223525-23)

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	08/10/2022	ND	1.97	98.3	2.00	10.9		
Toluene*	<0.050	0.050	08/10/2022	ND	2.07	104	2.00	12.4		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.11	105	2.00	12.7		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.46	108	6.00	12.8		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/10/2022	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	08/09/2022	ND	214	107	200	7.29	
DRO >C10-C28*	<10.0	10.0	08/09/2022	ND	202	101	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND					

Surrogate: 1-Chlorooctane 86.3 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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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: 08/08/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/05/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: PR - 397 @ 5' (H223525-24)

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	08/10/2022	ND	1.97	98.3	2.00	10.9	
Toluene*	<0.050	0.050	08/10/2022	ND	2.07	104	2.00	12.4	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.11	105	2.00	12.7	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.46	108	6.00	12.8	
Total BTX	<0.300	0.300	08/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/10/2022	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	08/09/2022	ND	214	107	200	7.29	
DRO >C10-C28*	<10.0	10.0	08/09/2022	ND	202	101	200	4.14	
EXT DRO >C28-C36	<10.0	10.0	08/09/2022	ND					

Surrogate: 1-Chlorooctane 88.3 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476		BILL TO		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST															
Company Name: Trinity Oilfield Services				P.O. #:				ANALYSIS REQUEST															
Project Manager: Dan Dunkelberg				Company:		Newbourne Oil Co.																	
Address: 8426 N Dal Paso				Attn:		Robbie Runnels																	
City: Hobbs				State: NM Zip: 88241																			
Phone #:				Fax #:																			
Project #:				Project Owner: (see below)																			
Project Name: YARDBIRDS 34 WZNC RISER				City:																			
Project Location: Eddy Co., NM				State:																			
Sample Name: KA				Phone #:																			
FOR LAB USE ONLY				Fax #:																			
Lab I.D. H23525				Sample I.D.																			
1 PR-14 @ 5'				C 1		8/5/2022		900		X		X		X									
2 PR-15 @ 5'				C 1		8/5/2022		905		X		X		X									
3 PR-16 @ 5'				C 1		8/5/2022		910		X		X		X									
4 PR-17 @ 5'				C 1		8/5/2022		915		X		X		X									
5 PR-18 @ 5'				C 1		8/5/2022		920		X		X		X									
6 PR-19 @ 5'				C 1		8/5/2022		925		X		X		X									
7 PR-31 @ 5'				C 1		8/5/2022		930		X		X		X									
8 PR-32 @ 5'				C 1		8/5/2022		935		X		X		X									
9 PR-33 @ 5'				C 1		8/5/2022		940		X		X		X									
10 PR-40 @ 5'				C 1		8/5/2022		945		X		X		X									
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 the client for the analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and approved by Cardinal within 30 days after completion of the applicable analysis. In no event shall Cardinal be liable for accidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.				Date: 8-8-22		Received By: [Signature]		Verbal Result: [Signature]		Yes		No		Add'l Phone #:									
Relinquished By: [Signature]				Date: 7-20		Received By: [Signature]		REMARKS:															
Delivered By: (Circle One)				Observed Temp. °C 1.7		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:		Standard		X		Bacteria (only) Sample Condition		Cool		Intact		Observed Temp. °C	
Sampler - UPS - Bus - Other:				Corrected Temp. °C 1.1		Cool Liquid		Yes		Thermometer ID #113		Rush				Cool		Yes		Intact		Corrected Temp. °C	
						No		No		Correction Factor 0.1°C						No		No					

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Tinty Oilfield Services		P.O. #:		BILL TO		ANALYSIS REQUEST	
Project Manager: Dan Dunkelberg		Company:		Weekbourne Oil Co.			
Address: 8426 N Dal Paso		Attn:		Robbie Runnels			
City: Hobbs		State: NM Zip: 88241		Address:			
Phone #:		Fax #:		City:			
Project #:		Project Owner: (see below)		State:		Zip:	
Project Name: YARBIRDS 34 WZNC RISER		dan@tintyoilfieldservices.com		Phone #:			
Project Location: Eddy Co., NM		Fax #:					
Sample Name: KA		MATRIX		PRESERV.		SAMPLING	
FOR LAB USE ONLY		GROUNDWATER		WASTEWATER			
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS	
11 PR-47 @ 5'		C 1		X		8/5/2022 950	
12 PR-53 @ 5'		C 1		X		8/5/2022 955	
13 PR-54 @ 5'		C 1		X		8/5/2022 1000	
14 PR-55 @ 5'		C 1		X		8/5/2022 1005	
15 PR-56 @ 5'		C 1		X		8/5/2022 1010	
16 PR-73 @ 5'		C 1		X		8/5/2022 1015	
17 PR-74 @ 5'		C 1		X		8/5/2022 1020	
18 PR-75 @ 5'		C 1		X		8/5/2022 1025	
19 PR-362 @ 5'		C 1		X		8/5/2022 1030	
20 PR-363 @ 5'		C 1		X		8/5/2022 1035	
PLEASE NOTE: Labid and Sample Name must be clearly marked on container in contact with sample. If not, sample will be rejected. All claims including those for negligence and any other claims whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		Received By: <i>[Signature]</i>		Date: 8-8-22		Time: 12:10	
Relinquished By: <i>[Signature]</i>		Received By: <i>[Signature]</i>		Date: 8-8-22		Time: 12:10	
Delivered By: (Circle One)		Observed Temp. °C: 11.7		Corrected Temp. °C: 11.1		Sample Condition	
Sampler - UPS - Bus - Other:		Cool Intact		Checked BY: (Initials)		Turnaround Time:	
		Yes		No		Thermometer ID #113	
		Yes		No		Correction Factor 0.1°C	
		Yes		No		Standard	
		Yes		No		Bacteria (only) Sample Condition	
		Yes		No		Cool Intact	
		Yes		No		Observed Temp. °C	
		Yes		No		Corrected Temp. °C	

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101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 29 of 29



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

August 11, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 08/10/22 14:50.

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

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:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/11/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: PR - 398 @ 6' (H223594-01)

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	08/11/2022	ND	1.91	95.7	2.00	1.02	
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.297	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.08	104	2.00	0.813	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.35	106	6.00	1.38	
Total BTEX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500Cl-B			mg/kg		Analyzed By: GM				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/11/2022	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	08/11/2022	ND	224	112	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	209	104	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 69.9 % 43-149

Surrogate: 1-Chlorooctadecane 81.9 % 42.5-161

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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: 08/10/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: PR - 397 @ 6' (H223594-02)

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	08/11/2022	ND	1.91	95.7	2.00	1.02		
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.297		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.08	104	2.00	0.813		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.35	106	6.00	1.38		
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/11/2022	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	08/11/2022	ND	224	112	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	209	104	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 80.7 % 43-149

Surrogate: 1-Chlorooctadecane 94.1 % 42.5-161

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: PR - 374 @ 6' (H223594-03)

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	08/11/2022	ND	1.91	95.7	2.00	1.02		
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.297		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.08	104	2.00	0.813		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.35	106	6.00	1.38		
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/11/2022	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	08/11/2022	ND	224	112	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	209	104	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 83.0 % 43-149

Surrogate: 1-Chlorooctadecane 96.3 % 42.5-161

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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: 08/10/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: PR - 373 @ 6' (H223594-04)

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	08/11/2022	ND	1.91	95.7	2.00	1.02		
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.297		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.08	104	2.00	0.813		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.35	106	6.00	1.38		
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/11/2022	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	08/11/2022	ND	224	112	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	209	104	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 78.0 % 43-149

Surrogate: 1-Chlorooctadecane 90.3 % 42.5-161

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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: 08/10/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: PR - 368 @ 6' (H223594-05)

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	08/11/2022	ND	1.91	95.7	2.00	1.02	
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.297	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.08	104	2.00	0.813	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.35	106	6.00	1.38	
Total BTEx	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	08/11/2022	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	08/11/2022	ND	224	112	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	209	104	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 75.3 % 43-149

Surrogate: 1-Chlorooctadecane 87.4 % 42.5-161

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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: 08/10/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: PR - 365 @ 6' (H223594-06)

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	08/11/2022	ND	1.91	95.7	2.00	1.02		
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.297		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.08	104	2.00	0.813		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.35	106	6.00	1.38		
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/11/2022	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	08/11/2022	ND	224	112	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	209	104	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 79.1 % 43-149

Surrogate: 1-Chlorooctadecane 91.4 % 42.5-161

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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: 08/10/2022
 Reported: 08/11/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: PR - 364 @ 6' (H223594-07)

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	08/11/2022	ND	1.91	95.7	2.00	1.02	
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.297	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	2.08	104	2.00	0.813	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.35	106	6.00	1.38	
Total BTX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	08/11/2022	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	08/11/2022	ND	224	112	200	1.27	
DRO >C10-C28*	<10.0	10.0	08/11/2022	ND	209	104	200	2.93	
EXT DRO >C28-C36	<10.0	10.0	08/11/2022	ND					

Surrogate: 1-Chlorooctane 71.7 % 43-149

Surrogate: 1-Chlorooctadecane 82.7 % 42.5-161

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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

2454



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

August 12, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 08/09/22 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".

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: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 34 @ 5' (H223563-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/10/2022	ND	1.91	95.3	2.00	2.50	
Toluene*	<0.050	0.050	08/10/2022	ND	1.98	98.8	2.00	3.40	
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.00	99.8	2.00	1.92	
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.05	101	6.00	1.04	
Total BTX	<0.300	0.300	08/10/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	08/10/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 43-149

Surrogate: 1-Chlorooctadecane 90.6 % 42.5-161

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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: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 35 @ 5' (H223563-02)

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	08/10/2022	ND	1.91	95.3	2.00	2.50		
Toluene*	<0.050	0.050	08/10/2022	ND	1.98	98.8	2.00	3.40		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.00	99.8	2.00	1.92		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.05	101	6.00	1.04		
Total BTX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/10/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 83.5 % 43-149

Surrogate: 1-Chlorooctadecane 86.8 % 42.5-161

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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: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 36 @ 5' (H223563-03)

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	08/10/2022	ND	1.91	95.3	2.00	2.50		
Toluene*	<0.050	0.050	08/10/2022	ND	1.98	98.8	2.00	3.40		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.00	99.8	2.00	1.92		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.05	101	6.00	1.04		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/10/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 77.5 % 43-149

Surrogate: 1-Chlorooctadecane 80.9 % 42.5-161

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Analytical Results For:

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

Received: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 37 @ 5' (H223563-04)

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	08/10/2022	ND	1.91	95.3	2.00	2.50		
Toluene*	<0.050	0.050	08/10/2022	ND	1.98	98.8	2.00	3.40		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.00	99.8	2.00	1.92		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.05	101	6.00	1.04		
Total BTX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/10/2022	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 76.9 % 43-149

Surrogate: 1-Chlorooctadecane 80.5 % 42.5-161

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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: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 38 @ 5' (H223563-05)

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	08/10/2022	ND	1.91	95.3	2.00	2.50		
Toluene*	<0.050	0.050	08/10/2022	ND	1.98	98.8	2.00	3.40		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.00	99.8	2.00	1.92		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.05	101	6.00	1.04		
Total BTX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/10/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 78.2 % 43-149

Surrogate: 1-Chlorooctadecane 81.6 % 42.5-161

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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: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 39 @ 5' (H223563-06)

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	08/10/2022	ND	1.91	95.3	2.00	2.50		
Toluene*	<0.050	0.050	08/10/2022	ND	1.98	98.8	2.00	3.40		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.00	99.8	2.00	1.92		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.05	101	6.00	1.04		
Total BTX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/10/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 85.0 % 43-149

Surrogate: 1-Chlorooctadecane 88.0 % 42.5-161

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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: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 50 @ 5' (H223563-07)

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	08/10/2022	ND	1.91	95.3	2.00	2.50		
Toluene*	<0.050	0.050	08/10/2022	ND	1.98	98.8	2.00	3.40		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.00	99.8	2.00	1.92		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.05	101	6.00	1.04		
Total BTEx	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/10/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 82.8 % 43-149

Surrogate: 1-Chlorooctadecane 87.0 % 42.5-161

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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: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 463 @ 5' (H223563-08)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2022	ND	1.91	95.3	2.00	2.50		
Toluene*	<0.050	0.050	08/10/2022	ND	1.98	98.8	2.00	3.40		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	2.00	99.8	2.00	1.92		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.05	101	6.00	1.04		
Total BTX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/10/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 76.6 % 43-149

Surrogate: 1-Chlorooctadecane 79.2 % 42.5-161

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Analytical Results For:

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

Received: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 464 @ 5' (H223563-09)

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	08/10/2022	ND	1.84	91.9	2.00	1.32		
Toluene*	<0.050	0.050	08/10/2022	ND	2.03	101	2.00	0.623		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.93	96.7	2.00	0.504		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.06	101	6.00	0.718		
Total BTX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/10/2022	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 77.6 % 43-149

Surrogate: 1-Chlorooctadecane 81.6 % 42.5-161

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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: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 465 @ 5' (H223563-10)

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	08/10/2022	ND	1.84	91.9	2.00	1.32		
Toluene*	<0.050	0.050	08/10/2022	ND	2.03	101	2.00	0.623		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.93	96.7	2.00	0.504		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.06	101	6.00	0.718		
Total BTX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/11/2022	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	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 80.3 % 43-149

Surrogate: 1-Chlorooctadecane 85.0 % 42.5-161

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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: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 466 @ 5' (H223563-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/10/2022	ND	1.84	91.9	2.00	1.32		
Toluene*	<0.050	0.050	08/10/2022	ND	2.03	101	2.00	0.623		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.93	96.7	2.00	0.504		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.06	101	6.00	0.718		
Total BTX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/11/2022	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	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 80.2 % 43-149

Surrogate: 1-Chlorooctadecane 85.2 % 42.5-161

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Analytical Results For:

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

Received: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 467 @ 5' (H223563-12)

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	08/10/2022	ND	1.84	91.9	2.00	1.32		
Toluene*	<0.050	0.050	08/10/2022	ND	2.03	101	2.00	0.623		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.93	96.7	2.00	0.504		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.06	101	6.00	0.718		
Total BTX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/11/2022	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	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 81.1 % 43-149

Surrogate: 1-Chlorooctadecane 86.6 % 42.5-161

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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: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 468 @ 5' (H223563-13)

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	08/10/2022	ND	1.84	91.9	2.00	1.32		
Toluene*	<0.050	0.050	08/10/2022	ND	2.03	101	2.00	0.623		
Ethylbenzene*	<0.050	0.050	08/10/2022	ND	1.93	96.7	2.00	0.504		
Total Xylenes*	<0.150	0.150	08/10/2022	ND	6.06	101	6.00	0.718		
Total BTX	<0.300	0.300	08/10/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/11/2022	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	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 84.0 % 43-149

Surrogate: 1-Chlorooctadecane 89.0 % 42.5-161

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Analytical Results For:

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

Received: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 469 @ 5' (H223563-14)

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	08/11/2022	ND	1.84	91.9	2.00	1.32		
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.623		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	1.93	96.7	2.00	0.504		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.06	101	6.00	0.718		
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	464	16.0	08/11/2022	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	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 60.3 % 43-149

Surrogate: 1-Chlorooctadecane 64.7 % 42.5-161

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Analytical Results For:

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

Received: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 470 @ 5' (H223563-15)

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	08/11/2022	ND	1.84	91.9	2.00	1.32		
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.623		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	1.93	96.7	2.00	0.504		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.06	101	6.00	0.718		
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	256	16.0	08/11/2022	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	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 81.0 % 43-149

Surrogate: 1-Chlorooctadecane 85.6 % 42.5-161

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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: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 471 @ 5' (H223563-16)

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	08/11/2022	ND	1.84	91.9	2.00	1.32		
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.623		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	1.93	96.7	2.00	0.504		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.06	101	6.00	0.718		
Total BTX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	08/11/2022	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	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 43-149

Surrogate: 1-Chlorooctadecane 92.7 % 42.5-161

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Analytical Results For:

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

Received: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 472 @ 5' (H223563-17)

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	08/11/2022	ND	1.84	91.9	2.00	1.32	QR-03	
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.623	QR-03	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	1.93	96.7	2.00	0.504	QR-03	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.06	101	6.00	0.718	QR-03	
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/11/2022	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	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 86.9 % 43-149

Surrogate: 1-Chlorooctadecane 92.1 % 42.5-161

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Analytical Results For:

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

Received: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 473 @ 5' (H223563-18)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2022	ND	1.84	91.9	2.00	1.32		
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.623		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	1.93	96.7	2.00	0.504		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.06	101	6.00	0.718		
Total BTX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/11/2022	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	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 78.2 % 43-149

Surrogate: 1-Chlorooctadecane 81.2 % 42.5-161

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Analytical Results For:

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

Received: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 474 @ 5' (H223563-19)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/11/2022	ND	1.84	91.9	2.00	1.32	
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.623	
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	1.93	96.7	2.00	0.504	
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.06	101	6.00	0.718	
Total BTX	<0.300	0.300	08/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	08/11/2022	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	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 43-149

Surrogate: 1-Chlorooctadecane 93.7 % 42.5-161

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Analytical Results For:

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

Received: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 475 @ 5' (H223563-20)

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	08/11/2022	ND	1.84	91.9	2.00	1.32		
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.623		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	1.93	96.7	2.00	0.504		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.06	101	6.00	0.718		
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/11/2022	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	08/10/2022	ND	195	97.5	200	5.51	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	208	104	200	6.46	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 83.2 % 43-149

Surrogate: 1-Chlorooctadecane 87.4 % 42.5-161

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Analytical Results For:

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

Received: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 141 @ 5' (H223563-21)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/11/2022	ND	1.84	91.9	2.00	1.32		
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.623		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	1.93	96.7	2.00	0.504		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.06	101	6.00	0.718		
Total BTX	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/11/2022	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	08/10/2022	ND	219	110	200	3.25	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 78.1 % 43-149

Surrogate: 1-Chlorooctadecane 76.4 % 42.5-161

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Analytical Results For:

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

Received: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 142 @ 5' (H223563-22)

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	08/11/2022	ND	1.84	91.9	2.00	1.32		
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.623		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	1.93	96.7	2.00	0.504		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.06	101	6.00	0.718		
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/11/2022	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	08/10/2022	ND	219	110	200	3.25	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 80.4 % 43-149

Surrogate: 1-Chlorooctadecane 79.4 % 42.5-161

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Analytical Results For:

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

Received: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 143 @ 5' (H223563-23)

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	08/11/2022	ND	1.84	91.9	2.00	1.32		
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.623		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	1.93	96.7	2.00	0.504		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.06	101	6.00	0.718		
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	08/11/2022	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	08/10/2022	ND	219	110	200	3.25	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 80.7 % 43-149

Surrogate: 1-Chlorooctadecane 79.5 % 42.5-161

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Analytical Results For:

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

Received: 08/09/2022
 Reported: 08/12/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 144 @ 5' (H223563-24)

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	08/11/2022	ND	1.84	91.9	2.00	1.32		
Toluene*	<0.050	0.050	08/11/2022	ND	2.03	101	2.00	0.623		
Ethylbenzene*	<0.050	0.050	08/11/2022	ND	1.93	96.7	2.00	0.504		
Total Xylenes*	<0.150	0.150	08/11/2022	ND	6.06	101	6.00	0.718		
Total BTEx	<0.300	0.300	08/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/11/2022	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	08/10/2022	ND	219	110	200	3.25	
DRO >C10-C28*	<10.0	10.0	08/10/2022	ND	218	109	200	7.18	
EXT DRO >C28-C36	<10.0	10.0	08/10/2022	ND					

Surrogate: 1-Chlorooctane 82.2 % 43-149

Surrogate: 1-Chlorooctadecane 81.9 % 42.5-161

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

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

Celey D. Keene, Lab Director/Quality Manager



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:		Newbourne Oil Co.															
City: Hobbs		Attn: Robbie Runnels																	
State: NM Zip: 88241		Address:																	
Phone #:		City:																	
Project #:		State:																	
Project Name: YARBIRDS 34 WZNC RISER		Zip:																	
Project Location: Eddy Co., NM		Phone #:																	
Sample Name: KA		Fax #:																	
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING													
Lab I.D. H035403		# CONTAINERS		DATE		TIME													
Sample I.D.		(G)RAB OR (C)OMP.		Chloride		TPH		BTX											
PR-34 @ 5'		C 1		8/9/2022		900		X		X									
PR-35 @ 5'		C 1		8/9/2022		905		X		X									
PR-36 @ 5'		C 1		8/9/2022		910		X		X									
PR-37 @ 5'		C 1		8/9/2022		915		X		X									
PR-38 @ 5'		C 1		8/9/2022		920		X		X									
PR-39 @ 5'		C 1		8/9/2022		925		X		X									
PR-50 @ 5'		C 1		8/9/2022		930		X		X									
PR-463 @ 5'		C 1		8/9/2022		935		X		X									
PR-464 @ 5'		C 1		8/9/2022		940		X		X									
PR-465 @ 5'		C 1		8/9/2022		945		X		X									
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Relinquished By: [Signature]		Received By: [Signature]		Verbal Result: Yes No		Add'l Phone #:													
Relinquished By: [Signature]		Received By: [Signature]		All Results are emailed. Please provide Email address:															
Date: [Signature]		Time: [Signature]		REMARKS:															
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:		Standard		Bacteria (only) Sample Condition		Observed Temp. °C					
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact						Thermometer ID #113		Cool Intact		Corrected Temp. °C					
		29.0		Yes No		SR				29.0		Yes No							

* Cardinal cannot accept verbal changes. Please email changes to cedy.veene@cardinallabsnm.com

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Laboratories

101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 29 of 29



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

August 15, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 08/10/22 14:50.

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

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:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/15/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: PR - 156 @ 5' (H223612-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2022	ND	2.18	109	2.00	1.16	
Toluene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	2.08	
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	1.18	
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.87	114	6.00	0.153	
Total BTX	<0.300	0.300	08/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 79.5 % 43-149

Surrogate: 1-Chlorooctadecane 80.9 % 42.5-161

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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: 08/10/2022
 Reported: 08/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: PR - 155 @ 5' (H223612-02)

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	08/13/2022	ND	2.18	109	2.00	1.16		
Toluene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.87	114	6.00	0.153		
Total BTX	<0.300	0.300	08/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 83.2 % 43-149

Surrogate: 1-Chlorooctadecane 85.0 % 42.5-161

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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:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/15/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: PR - 152 @ 5' (H223612-03)

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	08/13/2022	ND	2.18	109	2.00	1.16		
Toluene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.87	114	6.00	0.153		
Total BTX	<0.300	0.300	08/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 77.3 % 43-149

Surrogate: 1-Chlorooctadecane 77.6 % 42.5-161

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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: 08/10/2022
 Reported: 08/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: PR - 151 @ 5' (H223612-04)

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	08/13/2022	ND	2.18	109	2.00	1.16	
Toluene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	2.08	
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	1.18	
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.87	114	6.00	0.153	
Total BTEx	<0.300	0.300	08/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 43-149

Surrogate: 1-Chlorooctadecane 87.9 % 42.5-161

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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: 08/10/2022
 Reported: 08/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: PR - 148 @ 5' (H223612-05)

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	08/13/2022	ND	2.18	109	2.00	1.16	
Toluene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	2.08	
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	1.18	
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.87	114	6.00	0.153	
Total BTX	<0.300	0.300	08/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 85.8 % 43-149

Surrogate: 1-Chlorooctadecane 86.0 % 42.5-161

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/15/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: PR - 147 @ 5' (H223612-06)

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	08/13/2022	ND	2.18	109	2.00	1.16		
Toluene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.87	114	6.00	0.153		
Total BTX	<0.300	0.300	08/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 82.1 % 43-149

Surrogate: 1-Chlorooctadecane 83.6 % 42.5-161

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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:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/15/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: PR - 140 @ 5' (H223612-07)

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	08/13/2022	ND	2.18	109	2.00	1.16		
Toluene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.87	114	6.00	0.153		
Total BTX	<0.300	0.300	08/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 87.2 % 43-149

Surrogate: 1-Chlorooctadecane 87.1 % 42.5-161

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Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: PR - 139 @ 5' (H223612-08)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2022	ND	2.18	109	2.00	1.16	
Toluene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	2.08	
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	1.18	
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.87	114	6.00	0.153	
Total BTX	<0.300	0.300	08/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 85.3 % 43-149

Surrogate: 1-Chlorooctadecane 86.1 % 42.5-161

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Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: PR - 138 @ 5' (H223612-09)

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	08/13/2022	ND	2.18	109	2.00	1.16	
Toluene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	2.08	
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	1.18	
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.87	114	6.00	0.153	
Total BTEx	<0.300	0.300	08/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 87.1 % 43-149

Surrogate: 1-Chlorooctadecane 88.8 % 42.5-161

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Analytical Results For:

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

Received:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/15/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: PR - 137 @ 5' (H223612-10)

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	08/13/2022	ND	2.18	109	2.00	1.16		
Toluene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.87	114	6.00	0.153		
Total BTEx	<0.300	0.300	08/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 86.5 % 43-149

Surrogate: 1-Chlorooctadecane 86.7 % 42.5-161

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Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: PR - 136 @ 5' (H223612-11)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2022	ND	2.18	109	2.00	1.16	
Toluene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	2.08	
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	1.18	
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.87	114	6.00	0.153	
Total BTX	<0.300	0.300	08/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 85.0 % 43-149

Surrogate: 1-Chlorooctadecane 86.1 % 42.5-161

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Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: PR - 135 @ 5' (H223612-12)

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	08/13/2022	ND	2.18	109	2.00	1.16		
Toluene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.87	114	6.00	0.153		
Total BTEX	<0.300	0.300	08/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 81.8 % 43-149

Surrogate: 1-Chlorooctadecane 83.7 % 42.5-161

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Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: PR - 134 @ 3' (H223612-13)

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	08/13/2022	ND	2.18	109	2.00	1.16		
Toluene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.87	114	6.00	0.153		
Total BTEx	<0.300	0.300	08/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 89.6 % 43-149

Surrogate: 1-Chlorooctadecane 92.4 % 42.5-161

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Analytical Results For:

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

Received: 08/10/2022
 Reported: 08/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: WALL - 88 E @ 3' (H223612-14)

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	08/13/2022	ND	2.18	109	2.00	1.16		
Toluene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	2.08		
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.26	113	2.00	1.18		
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.87	114	6.00	0.153		
Total BTEx	<0.300	0.300	08/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 100 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

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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: 08/10/2022
 Reported: 08/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: WALL - 89 E @ 3' (H223612-15)

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	08/13/2022	ND	2.20	110	2.00	9.04		
Toluene*	<0.050	0.050	08/13/2022	ND	2.24	112	2.00	8.72		
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.27	113	2.00	9.54		
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.90	115	6.00	10.2		
Total BTEX	<0.300	0.300	08/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 91.5 % 43-149

Surrogate: 1-Chlorooctadecane 94.6 % 42.5-161

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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:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/15/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: WALL - 90 N @ 3' (H223612-16)

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	08/13/2022	ND	2.20	110	2.00	9.04		
Toluene*	<0.050	0.050	08/13/2022	ND	2.24	112	2.00	8.72		
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.27	113	2.00	9.54		
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.90	115	6.00	10.2		
Total BTEX	<0.300	0.300	08/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05		
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54		
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND						

Surrogate: 1-Chlorooctane 90.1 % 43-149

Surrogate: 1-Chlorooctadecane 91.4 % 42.5-161

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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: 08/10/2022
 Reported: 08/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: WALL - 91 N @ 3' (H223612-17)

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	08/13/2022	ND	2.20	110	2.00	9.04		
Toluene*	<0.050	0.050	08/13/2022	ND	2.24	112	2.00	8.72		
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.27	113	2.00	9.54		
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.90	115	6.00	10.2		
Total BTX	<0.300	0.300	08/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 97.0 % 43-149

Surrogate: 1-Chlorooctadecane 98.0 % 42.5-161

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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:	08/10/2022	Sampling Date:	08/10/2022
Reported:	08/15/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Jodi Henson
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: WALL - 92 N @ 3' (H223612-18)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/13/2022	ND	2.20	110	2.00	9.04	
Toluene*	<0.050	0.050	08/13/2022	ND	2.24	112	2.00	8.72	
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.27	113	2.00	9.54	
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.90	115	6.00	10.2	
Total BTX	<0.300	0.300	08/13/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 93.3 % 43-149

Surrogate: 1-Chlorooctadecane 95.4 % 42.5-161

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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: 08/10/2022
 Reported: 08/15/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Jodi Henson

Sample ID: PR - 144 @ 5' (H223612-19)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/13/2022	ND	2.20	110	2.00	9.04		
Toluene*	<0.050	0.050	08/13/2022	ND	2.24	112	2.00	8.72		
Ethylbenzene*	<0.050	0.050	08/13/2022	ND	2.27	113	2.00	9.54		
Total Xylenes*	<0.150	0.150	08/13/2022	ND	6.90	115	6.00	10.2		
Total BTX	<0.300	0.300	08/13/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	08/15/2022	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	08/12/2022	ND	216	108	200	1.05	
DRO >C10-C28*	<10.0	10.0	08/12/2022	ND	234	117	200	6.54	
EXT DRO >C28-C36	<10.0	10.0	08/12/2022	ND					

Surrogate: 1-Chlorooctane 78.9 % 43-149

Surrogate: 1-Chlorooctadecane 80.4 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

A-01	CCV failed high. Associated samples <PQL.
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



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:		Westbourne Oil Co.									
City: Hobbs		Attn:		Robbie Runnels									
State: NM Zip: 88241		Address:											
Phone #:		City:											
Fax #:		State:											
Project #:		Zip:											
Project Name: YARDBIRDS 34 WZNC RISER		Project Owner: (see below)											
Project Location: Eddy Co., NM		dan@trinityoilfieldservices.com											
Sample Name: KA		Phone #:											
Fax #:													
FOR LAB USE ONLY		MATRIX		PRESERV.		SAMPLING							
		# CONTAINERS											
		GROUNDWATER											
		WASTEWATER											
		SOIL											
		OIL											
		SLUDGE											
		OTHER :											
		ACID/BASE:											
		ICE / COOL											
		OTHER :											
Lab I.D.		Sample I.D.		DATE		TIME							
1		PR-156 @ 5'		8/10/2022		900		Chloride					
2		PR-155 @ 5'		8/10/2022		905		TPH					
3		PR-152 @ 5'		8/10/2022		910		BTEX					
4		PR-151 @ 5'		8/10/2022		915							
5		PR-148 @ 5'		8/10/2022		920							
6		PR-147 @ 5'		8/10/2022		925							
7		PR-140 @ 5'		8/10/2022		930							
8		PR-139 @ 5'		8/10/2022		935							
9		PR-138 @ 5'		8/10/2022		940							
10		PR-137 @ 5'		8/10/2022		945							
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Relinquished By:		Received By:		Verbal Result:		Yes		No		Add'l Phone #:			
Date:		Date:		All Results are emailed. Please provide Email address:									
Time:		Time:		REMARKS:									
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY:		Turnaround Time:		Standard			
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact		Initials		Thermometer ID #113		Rush			
		17.10		Yes		[Signature]		10		X			
				No				Correction Factor: 0.0 °C		Cool Intact			
				No						Yes			
				No						No			
										Observed Temp. °C			
										Corrected Temp. °C			

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

Cardinal Laboratories

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services

Project Manager: Dan Dunkelberg

Address: 8426 N Dal Paso

City: Hobbs

State: NM **Zip:** 88241

Phone #:

Project #:

Project Name: YARBIRDS 34 WZNC RISER

Project Location: Eddy Co., NM

Sampler Name: KA

FOR LAB USE ONLY

P.O. #:

Company: Menckhouse Oil Co.

Attn: Robbie Runnels

Address:

City:

State:

Zip:

Phone #:

Fax #:

Lab I.D.

11 PR-136 @ 5'

12 PR-135 @ 5'

13 PR-134 @ 3'

14 Well-88 E @ 3'

15 Well-89 E @ 3'

16 Well-90 N @ 3'

17 Well-91 N @ 3'

18 Well-92 N @ 3'

19 PR-144 @ 5'

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

Relinquished By: [Signature]

Relinquished By:

Date:

Time:

Delivered By: (Circle One)

Observed Temp. 18.2

Corrected Temp. 17.10

Sample Condition

Cool Intact

Yes

No

Checked By: [Signature]

Turnaround Time:

Thermometer ID #113

Correction Factor -0.1°C

Standard

X

Bacteria (only) Sample Condition

Cool Intact

Yes

No

Observed Temp. °C

Corrected Temp. °C

Received By: [Signature]

Received By:

Date:

Time:

Remarks:

Verbal Result:

Yes

No

Add'l Phone #:

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST



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

August 18, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 08/15/22 15:54.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/15/2022
 Reported: 08/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 384 @ 5' (H223724-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.00	100	2.00	11.4	
Toluene*	<0.050	0.050	08/17/2022	ND	2.06	103	2.00	8.04	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.02	101	2.00	6.61	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.31	105	6.00	8.36	
Total BTX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/17/2022	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	08/16/2022	ND	208	104	200	9.42	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	216	108	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 90.2 % 43-149

Surrogate: 1-Chlorooctadecane 92.8 % 42.5-161

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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: 08/15/2022
 Reported: 08/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 387 @ 5' (H223724-02)

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	08/17/2022	ND	2.00	100	2.00	11.4	
Toluene*	<0.050	0.050	08/17/2022	ND	2.06	103	2.00	8.04	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.02	101	2.00	6.61	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.31	105	6.00	8.36	
Total BTEx	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	08/17/2022	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	08/16/2022	ND	208	104	200	9.42	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	216	108	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 89.0 % 43-149

Surrogate: 1-Chlorooctadecane 92.3 % 42.5-161

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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: 08/15/2022
 Reported: 08/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 388 @ 5' (H223724-03)

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	08/17/2022	ND	2.00	100	2.00	11.4	
Toluene*	<0.050	0.050	08/17/2022	ND	2.06	103	2.00	8.04	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.02	101	2.00	6.61	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.31	105	6.00	8.36	
Total BTEx	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/17/2022	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	08/16/2022	ND	208	104	200	9.42	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	216	108	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 82.4 % 43-149

Surrogate: 1-Chlorooctadecane 85.5 % 42.5-161

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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: 08/15/2022
 Reported: 08/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 389 @ 5' (H223724-04)

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	08/17/2022	ND	2.00	100	2.00	11.4	
Toluene*	<0.050	0.050	08/17/2022	ND	2.06	103	2.00	8.04	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.02	101	2.00	6.61	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.31	105	6.00	8.36	
Total BTEx	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	08/17/2022	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	08/16/2022	ND	208	104	200	9.42	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	216	108	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 79.8 % 43-149

Surrogate: 1-Chlorooctadecane 82.5 % 42.5-161

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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: 08/15/2022
 Reported: 08/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 45 W @ 2' (H223724-05)

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	08/17/2022	ND	2.00	100	2.00	11.4		
Toluene*	<0.050	0.050	08/17/2022	ND	2.06	103	2.00	8.04		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.02	101	2.00	6.61		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.31	105	6.00	8.36		
Total BTX	<0.300	0.300	08/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	08/17/2022	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	08/16/2022	ND	208	104	200	9.42	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	216	108	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 80.6 % 43-149

Surrogate: 1-Chlorooctadecane 84.7 % 42.5-161

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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: 08/15/2022
 Reported: 08/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 46 W @ 2' (H223724-06)

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	08/17/2022	ND	2.00	100	2.00	11.4		
Toluene*	<0.050	0.050	08/17/2022	ND	2.06	103	2.00	8.04		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.02	101	2.00	6.61		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.31	105	6.00	8.36		
Total BTEx	<0.300	0.300	08/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/17/2022	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	08/16/2022	ND	208	104	200	9.42	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	216	108	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 86.4 % 43-149

Surrogate: 1-Chlorooctadecane 89.8 % 42.5-161

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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: 08/15/2022
 Reported: 08/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WALL - 47 W @ 2' (H223724-07)

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	08/17/2022	ND	2.00	100	2.00	11.4		
Toluene*	<0.050	0.050	08/17/2022	ND	2.06	103	2.00	8.04		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.02	101	2.00	6.61		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.31	105	6.00	8.36		
Total BTEx	<0.300	0.300	08/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	08/17/2022	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	08/16/2022	ND	208	104	200	9.42	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	216	108	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 99.9 % 43-149

Surrogate: 1-Chlorooctadecane 105 % 42.5-161

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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: 08/15/2022
 Reported: 08/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/15/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 53 @ 6' (H223724-08)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/17/2022	ND	2.00	100	2.00	11.4		
Toluene*	<0.050	0.050	08/17/2022	ND	2.06	103	2.00	8.04		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.02	101	2.00	6.61		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.31	105	6.00	8.36		
Total BTX	<0.300	0.300	08/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	08/17/2022	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	08/16/2022	ND	208	104	200	9.42	
DRO >C10-C28*	<10.0	10.0	08/16/2022	ND	216	108	200	5.66	
EXT DRO >C28-C36	<10.0	10.0	08/16/2022	ND					

Surrogate: 1-Chlorooctane 98.6 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

August 18, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 08/17/22 15:27.

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: 08/17/2022
 Reported: 08/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/17/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 145 @ 5' (H223770-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/17/2022	ND	2.11	106	2.00	9.39	
Toluene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	9.06	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.01	100	2.00	9.73	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.24	104	6.00	10.4	
Total BTX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/18/2022	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	08/18/2022	ND	202	101	200	9.89	
DRO >C10-C28*	<10.0	10.0	08/18/2022	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/18/2022	ND					

Surrogate: 1-Chlorooctane 76.9 % 43-149

Surrogate: 1-Chlorooctadecane 89.5 % 42.5-161

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 08/17/2022
 Reported: 08/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/17/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 146 @ 5' (H223770-02)

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	08/17/2022	ND	2.11	106	2.00	9.39		
Toluene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	9.06		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.01	100	2.00	9.73		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.24	104	6.00	10.4		
Total BTX	<0.300	0.300	08/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	08/18/2022	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	08/18/2022	ND	202	101	200	9.89	
DRO >C10-C28*	<10.0	10.0	08/18/2022	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/18/2022	ND					

Surrogate: 1-Chlorooctane 62.3 % 43-149

Surrogate: 1-Chlorooctadecane 73.9 % 42.5-161

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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: 08/17/2022
 Reported: 08/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/17/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 149 @ 5' (H223770-03)

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	08/17/2022	ND	2.11	106	2.00	9.39		
Toluene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	9.06		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.01	100	2.00	9.73		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.24	104	6.00	10.4		
Total BTEx	<0.300	0.300	08/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/18/2022	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	08/18/2022	ND	202	101	200	9.89	
DRO >C10-C28*	<10.0	10.0	08/18/2022	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/18/2022	ND					

Surrogate: 1-Chlorooctane 102 % 43-149

Surrogate: 1-Chlorooctadecane 120 % 42.5-161

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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: 08/17/2022
 Reported: 08/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/17/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 150 @ 5' (H223770-04)

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	08/17/2022	ND	2.11	106	2.00	9.39		
Toluene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	9.06		
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.01	100	2.00	9.73		
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.24	104	6.00	10.4		
Total BTEx	<0.300	0.300	08/17/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	08/18/2022	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	08/18/2022	ND	202	101	200	9.89	
DRO >C10-C28*	<10.0	10.0	08/18/2022	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/18/2022	ND					

Surrogate: 1-Chlorooctane 84.5 % 43-149

Surrogate: 1-Chlorooctadecane 99.6 % 42.5-161

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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: 08/17/2022
 Reported: 08/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/17/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 477 W @ 2' (H223770-05)

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	08/17/2022	ND	2.11	106	2.00	9.39	
Toluene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	9.06	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.01	100	2.00	9.73	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.24	104	6.00	10.4	
Total BTX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	08/18/2022	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	08/18/2022	ND	202	101	200	9.89	
DRO >C10-C28*	<10.0	10.0	08/18/2022	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/18/2022	ND					

Surrogate: 1-Chlorooctane 84.4 % 43-149

Surrogate: 1-Chlorooctadecane 100 % 42.5-161

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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: 08/17/2022
 Reported: 08/18/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 08/17/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 478 W @ 2' (H223770-06)

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	08/17/2022	ND	2.11	106	2.00	9.39	
Toluene*	<0.050	0.050	08/17/2022	ND	2.03	102	2.00	9.06	
Ethylbenzene*	<0.050	0.050	08/17/2022	ND	2.01	100	2.00	9.73	
Total Xylenes*	<0.150	0.150	08/17/2022	ND	6.24	104	6.00	10.4	
Total BTX	<0.300	0.300	08/17/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/18/2022	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	08/18/2022	ND	202	101	200	9.89	
DRO >C10-C28*	<10.0	10.0	08/18/2022	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	08/18/2022	ND					

Surrogate: 1-Chlorooctane 87.8 % 43-149

Surrogate: 1-Chlorooctadecane 103 % 42.5-161

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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.
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

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



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

October 03, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 09/27/22 15:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at 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: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 154 @ 5' (H224483-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2022	ND	2.03	101	2.00	6.73	
Toluene*	<0.050	0.050	09/30/2022	ND	2.19	110	2.00	5.86	
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	2.02	101	2.00	5.16	
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.10	102	6.00	5.69	
Total BTX	<0.300	0.300	09/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/28/2022	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	09/30/2022	ND	212	106	200	0.201	
DRO >C10-C28*	<10.0	10.0	09/30/2022	ND	221	111	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 86.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.0 % 46.3-178

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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: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 153 @ 5' (H224483-02)

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	09/30/2022	ND	2.03	101	2.00	6.73		
Toluene*	<0.050	0.050	09/30/2022	ND	2.19	110	2.00	5.86		
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	2.02	101	2.00	5.16		
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.10	102	6.00	5.69		
Total BTEx	<0.300	0.300	09/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	09/28/2022	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	09/30/2022	ND	212	106	200	0.201	
DRO >C10-C28*	<10.0	10.0	09/30/2022	ND	221	111	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 80.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.5 % 46.3-178

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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: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 162 @ 5' (H224483-03)

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	09/30/2022	ND	2.03	101	2.00	6.73		
Toluene*	<0.050	0.050	09/30/2022	ND	2.19	110	2.00	5.86		
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	2.02	101	2.00	5.16		
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.10	102	6.00	5.69		
Total BTEx	<0.300	0.300	09/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	09/28/2022	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	09/30/2022	ND	212	106	200	0.201	
DRO >C10-C28*	<10.0	10.0	09/30/2022	ND	221	111	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 70.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 72.2 % 46.3-178

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Analytical Results For:

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

Received: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 163 @ 5' (H224483-04)

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	09/30/2022	ND	2.03	101	2.00	6.73		
Toluene*	<0.050	0.050	09/30/2022	ND	2.19	110	2.00	5.86		
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	2.02	101	2.00	5.16		
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.10	102	6.00	5.69		
Total BTX	<0.300	0.300	09/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	09/28/2022	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	09/30/2022	ND	212	106	200	0.201	
DRO >C10-C28*	<10.0	10.0	09/30/2022	ND	221	111	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 69.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 71.0 % 46.3-178

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Analytical Results For:

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

Received: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 167 @ 5' (H224483-05)

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	09/30/2022	ND	2.03	101	2.00	6.73		
Toluene*	<0.050	0.050	09/30/2022	ND	2.19	110	2.00	5.86		
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	2.02	101	2.00	5.16		
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.10	102	6.00	5.69		
Total BTEx	<0.300	0.300	09/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	09/28/2022	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	09/30/2022	ND	212	106	200	0.201	
DRO >C10-C28*	<10.0	10.0	09/30/2022	ND	221	111	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 78.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.7 % 46.3-178

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Analytical Results For:

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

Received: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 172 @ 5' (H224483-06)

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	09/30/2022	ND	2.03	101	2.00	6.73		
Toluene*	<0.050	0.050	09/30/2022	ND	2.19	110	2.00	5.86		
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	2.02	101	2.00	5.16		
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.10	102	6.00	5.69		
Total BTX	<0.300	0.300	09/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	09/28/2022	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	09/30/2022	ND	212	106	200	0.201	
DRO >C10-C28*	<10.0	10.0	09/30/2022	ND	221	111	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 82.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.6 % 46.3-178

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Analytical Results For:

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

Received: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 175 @ 5' (H224483-07)

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	09/30/2022	ND	2.03	101	2.00	6.73		
Toluene*	<0.050	0.050	09/30/2022	ND	2.19	110	2.00	5.86		
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	2.02	101	2.00	5.16		
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.10	102	6.00	5.69		
Total BTEx	<0.300	0.300	09/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	09/28/2022	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	09/30/2022	ND	212	106	200	0.201	
DRO >C10-C28*	<10.0	10.0	09/30/2022	ND	221	111	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.0 % 46.3-178

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Analytical Results For:

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

Received: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 179 @ 5' (H224483-08)

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	09/30/2022	ND	2.03	101	2.00	6.73		
Toluene*	<0.050	0.050	09/30/2022	ND	2.19	110	2.00	5.86		
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	2.02	101	2.00	5.16		
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.10	102	6.00	5.69		
Total BTEX	<0.300	0.300	09/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	09/28/2022	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	09/30/2022	ND	212	106	200	0.201	
DRO >C10-C28*	<10.0	10.0	09/30/2022	ND	221	111	200	0.499	
EXT DRO >C28-C36	<10.0	10.0	09/30/2022	ND					

Surrogate: 1-Chlorooctane 78.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.6 % 46.3-178

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Analytical Results For:

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

Received: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 182 @ 5' (H224483-09)

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	09/30/2022	ND	2.03	101	2.00	6.73		
Toluene*	<0.050	0.050	09/30/2022	ND	2.19	110	2.00	5.86		
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	2.02	101	2.00	5.16		
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.10	102	6.00	5.69		
Total BTEx	<0.300	0.300	09/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	09/28/2022	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	09/28/2022	ND	212	106	200	6.17	
DRO >C10-C28*	<10.0	10.0	09/28/2022	ND	212	106	200	3.42	
EXT DRO >C28-C36	<10.0	10.0	09/28/2022	ND					

Surrogate: 1-Chlorooctane 97.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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Analytical Results For:

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

Received: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 187 @ 5' (H224483-10)

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	09/30/2022	ND	2.03	101	2.00	6.73		
Toluene*	<0.050	0.050	09/30/2022	ND	2.19	110	2.00	5.86		
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	2.02	101	2.00	5.16		
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.10	102	6.00	5.69		
Total BTEx	<0.300	0.300	09/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	09/28/2022	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	09/28/2022	ND	212	106	200	6.17	
DRO >C10-C28*	<10.0	10.0	09/28/2022	ND	212	106	200	3.42	
EXT DRO >C28-C36	<10.0	10.0	09/28/2022	ND					

Surrogate: 1-Chlorooctane 96.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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Analytical Results For:

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

Received: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 190 @ 5' (H224483-11)

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	09/30/2022	ND	2.03	101	2.00	6.73		
Toluene*	<0.050	0.050	09/30/2022	ND	2.19	110	2.00	5.86		
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	2.02	101	2.00	5.16		
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.10	102	6.00	5.69		
Total BTEx	<0.300	0.300	09/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	09/28/2022	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	09/28/2022	ND	212	106	200	6.17	
DRO >C10-C28*	<10.0	10.0	09/28/2022	ND	212	106	200	3.42	
EXT DRO >C28-C36	<10.0	10.0	09/28/2022	ND					

Surrogate: 1-Chlorooctane 89.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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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: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 196 @ 5' (H224483-12)

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	09/30/2022	ND	2.03	101	2.00	6.73		
Toluene*	<0.050	0.050	09/30/2022	ND	2.19	110	2.00	5.86		
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	2.02	101	2.00	5.16		
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.10	102	6.00	5.69		
Total BTEx	<0.300	0.300	09/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	09/28/2022	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	09/28/2022	ND	212	106	200	6.17	
DRO >C10-C28*	<10.0	10.0	09/28/2022	ND	212	106	200	3.42	
EXT DRO >C28-C36	<10.0	10.0	09/28/2022	ND					

Surrogate: 1-Chlorooctane 89.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Analytical Results For:

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

Received: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 197 @ 5' (H224483-13)

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	09/29/2022	ND	2.18	109	2.00	0.999	QR-03	
Toluene*	<0.050	0.050	09/29/2022	ND	2.07	103	2.00	0.350	QR-03	
Ethylbenzene*	<0.050	0.050	09/29/2022	ND	1.97	98.5	2.00	0.199		
Total Xylenes*	<0.150	0.150	09/29/2022	ND	6.04	101	6.00	0.276		
Total BTEx	<0.300	0.300	09/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	09/28/2022	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	09/28/2022	ND	212	106	200	6.17	
DRO >C10-C28*	<10.0	10.0	09/28/2022	ND	212	106	200	3.42	
EXT DRO >C28-C36	<10.0	10.0	09/28/2022	ND					

Surrogate: 1-Chlorooctane 85.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.9 % 46.3-178

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Analytical Results For:

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

Received: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 202 @ 5' (H224483-14)

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	09/29/2022	ND	2.18	109	2.00	0.999		
Toluene*	<0.050	0.050	09/29/2022	ND	2.07	103	2.00	0.350		
Ethylbenzene*	<0.050	0.050	09/29/2022	ND	1.97	98.5	2.00	0.199		
Total Xylenes*	<0.150	0.150	09/29/2022	ND	6.04	101	6.00	0.276		
Total BTEx	<0.300	0.300	09/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	09/28/2022	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	09/29/2022	ND	212	106	200	6.17	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	212	106	200	3.42	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane 95.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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Analytical Results For:

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

Received: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 205 @ 5' (H224483-15)

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	09/30/2022	ND	2.18	109	2.00	0.999		
Toluene*	<0.050	0.050	09/30/2022	ND	2.07	103	2.00	0.350		
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	1.97	98.5	2.00	0.199		
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.04	101	6.00	0.276		
Total BTEX	<0.300	0.300	09/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	09/28/2022	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	09/29/2022	ND	212	106	200	6.17	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	212	106	200	3.42	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane 93.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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Analytical Results For:

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

Received: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 209 @ 5' (H224483-16)

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	09/30/2022	ND	2.18	109	2.00	0.999		
Toluene*	<0.050	0.050	09/30/2022	ND	2.07	103	2.00	0.350		
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	1.97	98.5	2.00	0.199		
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.04	101	6.00	0.276		
Total BTEX	<0.300	0.300	09/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	09/28/2022	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	09/29/2022	ND	212	106	200	6.17	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	212	106	200	3.42	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane 93.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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Analytical Results For:

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

Received: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 212 @ 5' (H224483-17)

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	09/30/2022	ND	2.18	109	2.00	0.999		
Toluene*	<0.050	0.050	09/30/2022	ND	2.07	103	2.00	0.350		
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	1.97	98.5	2.00	0.199		
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.04	101	6.00	0.276		
Total BTEX	<0.300	0.300	09/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	09/28/2022	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	09/29/2022	ND	212	106	200	6.17	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	212	106	200	3.42	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane 93.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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Analytical Results For:

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

Received: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 217 @ 5' (H224483-18)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2022	ND	2.18	109	2.00	0.999	
Toluene*	<0.050	0.050	09/30/2022	ND	2.07	103	2.00	0.350	
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	1.97	98.5	2.00	0.199	
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.04	101	6.00	0.276	
Total BTX	<0.300	0.300	09/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	09/28/2022	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	09/29/2022	ND	212	106	200	6.17	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	212	106	200	3.42	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane 55.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 64.7 % 46.3-178

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Analytical Results For:

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

Received: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 221 @ 5' (H224483-19)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/30/2022	ND	2.18	109	2.00	0.999	
Toluene*	<0.050	0.050	09/30/2022	ND	2.07	103	2.00	0.350	
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	1.97	98.5	2.00	0.199	
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.04	101	6.00	0.276	
Total BTX	<0.300	0.300	09/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	09/28/2022	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	09/29/2022	ND	212	106	200	6.17	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	212	106	200	3.42	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane 88.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 222 @ 5' (H224483-20)

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	09/30/2022	ND	2.18	109	2.00	0.999		
Toluene*	<0.050	0.050	09/30/2022	ND	2.07	103	2.00	0.350		
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	1.97	98.5	2.00	0.199		
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.04	101	6.00	0.276		
Total BTEx	<0.300	0.300	09/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	09/28/2022	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	09/29/2022	ND	212	106	200	6.17	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	212	106	200	3.42	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane 94.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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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: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 230 @ 5' (H224483-21)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/30/2022	ND	2.18	109	2.00	0.999		
Toluene*	<0.050	0.050	09/30/2022	ND	2.07	103	2.00	0.350		
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	1.97	98.5	2.00	0.199		
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.04	101	6.00	0.276		
Total BTX	<0.300	0.300	09/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	09/28/2022	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	09/29/2022	ND	212	106	200	6.17	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	212	106	200	3.42	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane 89.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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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: 09/27/2022
 Reported: 10/03/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 231 @ 5' (H224483-22)

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	09/30/2022	ND	2.18	109	2.00	0.999		
Toluene*	<0.050	0.050	09/30/2022	ND	2.07	103	2.00	0.350		
Ethylbenzene*	<0.050	0.050	09/30/2022	ND	1.97	98.5	2.00	0.199		
Total Xylenes*	<0.150	0.150	09/30/2022	ND	6.04	101	6.00	0.276		
Total BTX	<0.300	0.300	09/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	09/28/2022	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	09/29/2022	ND	212	106	200	6.17	
DRO >C10-C28*	<10.0	10.0	09/29/2022	ND	212	106	200	3.42	
EXT DRO >C28-C36	<10.0	10.0	09/29/2022	ND					

Surrogate: 1-Chlorooctane 93.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager

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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.
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

Company Name: Trinity Oilfield Services		P.O. #:		BILL TO										ANALYSIS REQUEST																															
Project Manager: Dan Dunkelberg		Company:		Mewbourne Oil Co.																																									
Address: 8426 N Dal Paso		Attn:		Rebecca Rasmussen																																									
City: Hobbs		State: NM		Zip: 88241																																									
Phone #:		Fax #:		Project Owner: (see below)		City:		Address:		Zip:																																			
Project #:		Project Name: YARDHIRDS 34 WZNC RISER		dan@trinityoilfieldservices.com		State:		Phone #:		Fax #:																																			
Project Location: Eddy Co., NM		Sample Name: KA																																											
FOR LAB USE ONLY		LABORATORY		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											
1		PR-154 @ 5'		C 1		X																				9/27/2022		900		X		X		X											
2		PR-153 @ 5'		C 1		X																				9/27/2022		905		X		X		X											
3		PR-162 @ 5'		C 1		X																				9/27/2022		910		X		X		X											
4		PR-163 @ 5'		C 1		X																				9/27/2022		915		X		X		X											
5		PR-167 @ 5'		C 1		X																				9/27/2022		920		X		X		X											
6		PR-172 @ 5'		C 1		X																				9/27/2022		925		X		X		X											
7		PR-175 @ 5'		C 1		X																				9/27/2022		930		X		X		X											
8		PR-179 @ 5'		C 1		X																				9/27/2022		935		X		X		X											
9		PR-182 @ 5'		C 1		X																				9/27/2022		940		X		X		X											
10		PR-187 @ 5'		C 1		X																				9/27/2022		945		X		X		X											
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Relinquished By:		Date: 9/27/22		Received By:		Date: 9/27/22		Time: 1538		Verbal Result:		Yes		No		Add'l Phone #:																													
Relinquished By:		Date:		Received By:		Date:		Time:		REMARKS:																																			
Delivered By: (Circle One)		Observed Temp. °C: 24.3		Sample Condition: Cool Intact		CHECKED BY: (Initials)		Turnaround Time:		Standard		X		Bacteria (only) Sample Condition: Cool Intact		Observed Temp. °C:																													
Sampler - UPS - Bus - Other:		Corrected Temp. °C: 23.7		Cool Intact		Thermometer ID #113		Correction Factor 0.5 °C		Rush				Cool Intact		Corrected Temp. °C:																													

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



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services		P.O. #:		BILL TO										ANALYSIS REQUEST																															
Project Manager: Dan Dunkelberg		Company:		Mentmore Oil Co.																																									
Address: 8426 N Dal Paso		Attn: Robbie Runnels																																											
City: Hobbs		State: NM Zip: 88241																																											
Phone #:		Fax #:																																											
Project #:		Project Owner: (see below)																																											
Project Name: YARDIRUS 34 WZNC RISER		City:																																											
Project Location: Eddy Co., NM		State:																																											
Sample Name: KA		Phone #:																																											
FOR LAB USE ONLY		Fax #:																																											
Lab I.D. <u>41224483</u>		Sample I.D.		(G/RAB OR (C) COMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME		Chloride		TPH		BTEX											
11 PR-190 @ 5'		C 1		X																						9/27/2022		950		X		X		X											
12 PR-196 @ 5'		C 1		X																						9/27/2022		955		X		X		X											
13 PR-197 @ 5'		C 1		X																						9/27/2022		1000		X		X		X											
14 PR-202 @ 5'		C 1		X																						9/27/2022		1005		X		X		X											
15 PR-205 @ 5'		C 1		X																						9/27/2022		1010		X		X		X											
16 PR-209 @ 5'		C 1		X																						9/27/2022		1015		X		X		X											
17 PR-212 @ 5'		C 1		X																						9/27/2022		1020		X		X		X											
18 PR-217 @ 5'		C 1		X																						9/27/2022		1025		X		X		X											
19 PR-221 @ 5'		C 1		X																						9/27/2022		1030		X		X		X											
20 PR-222 @ 5'		C 1		X																						9/27/2022		1035		X		X		X											
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Relinquished By: <u>[Signature]</u>		Date: <u>9/27/22</u>		Received By: <u>[Signature]</u>		Date: <u>9/27/22</u>		Time: <u>15:25</u>		Verbal Result: <u>[Signature]</u>		Yes		No		Add'l Phone #:		REMARKS:																											
Relinquished By:		Date:		Received By:		Date:		Time:		Verbal Result:		Yes		No		Add'l Phone #:																													
Delivered By: (Circle One)		Observed Temp. °C <u>24.3</u>		Sample Condition		Cool Intact		CHECKED BY: (Initials) <u>AB</u>		Turnaround Time:		Standard		X		Bacteria (only) Sample Condition		Cool Intact		Observed Temp. °C		Corrected Temp. °C																							
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>23.7</u>		Cool Intact		Yes		No		Thermometer ID #113		Correction Factor: 4.5 °C		Rush		Bacteria (only) Sample Condition		Cool Intact		Observed Temp. °C		Corrected Temp. °C																							

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101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 27 of 27



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

October 17, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 10/10/22 15:33.

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: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 236 @ 5' (H224752-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/11/2022	ND	2.24	112	2.00	4.04	
Toluene*	<0.050	0.050	10/11/2022	ND	2.13	106	2.00	4.19	
Ethylbenzene*	<0.050	0.050	10/11/2022	ND	2.06	103	2.00	4.23	
Total Xylenes*	<0.150	0.150	10/11/2022	ND	6.27	105	6.00	4.25	
Total BTX	<0.300	0.300	10/11/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/13/2022	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	10/11/2022	ND	207	103	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/11/2022	ND	217	108	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	10/11/2022	ND					

Surrogate: 1-Chlorooctane 89.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 09/27/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 237 @ 5' (H224752-02)

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	10/11/2022	ND	2.24	112	2.00	4.04		
Toluene*	<0.050	0.050	10/11/2022	ND	2.13	106	2.00	4.19		
Ethylbenzene*	<0.050	0.050	10/11/2022	ND	2.06	103	2.00	4.23		
Total Xylenes*	<0.150	0.150	10/11/2022	ND	6.27	105	6.00	4.25		
Total BTX	<0.300	0.300	10/11/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

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	10/13/2022	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	10/11/2022	ND	207	103	200	1.96	
DRO >C10-C28*	<10.0	10.0	10/11/2022	ND	217	108	200	8.12	
EXT DRO >C28-C36	<10.0	10.0	10/11/2022	ND					

Surrogate: 1-Chlorooctane 69.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 75.7 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 244 @ 5' (H224752-03)

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	10/14/2022	ND	2.08	104	2.00	2.51	
Toluene*	<0.050	0.050	10/14/2022	ND	2.21	111	2.00	2.43	
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.03	102	2.00	1.80	
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.10	102	6.00	1.79	
Total BTX	<0.300	0.300	10/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 69.9-140

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	10/13/2022	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	10/13/2022	ND	204	102	200	0.761	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	213	107	200	0.191	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 84.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.6 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 247 @ 5' (H224752-04)

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	10/14/2022	ND	2.08	104	2.00	2.51		
Toluene*	<0.050	0.050	10/14/2022	ND	2.21	111	2.00	2.43		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.03	102	2.00	1.80		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.10	102	6.00	1.79		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

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	10/13/2022	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	10/13/2022	ND	204	102	200	0.761	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	213	107	200	0.191	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 89.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.8 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 254 @ 5' (H224752-05)

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	10/14/2022	ND	2.08	104	2.00	2.51	
Toluene*	<0.050	0.050	10/14/2022	ND	2.21	111	2.00	2.43	
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.03	102	2.00	1.80	
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.10	102	6.00	1.79	
Total BTX	<0.300	0.300	10/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/13/2022	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	10/13/2022	ND	204	102	200	0.761	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	213	107	200	0.191	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 85.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.4 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 255 @ 5' (H224752-06)

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	10/14/2022	ND	2.21	110	2.00	3.85		
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70		
Total BTX	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 69.9-140

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	10/13/2022	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	10/13/2022	ND	204	102	200	0.761	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	213	107	200	0.191	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.4 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 260 @ 5' (H224752-07)

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	10/14/2022	ND	2.21	110	2.00	3.85		
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70		
Total BTX	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 69.9-140

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	10/13/2022	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	10/12/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/12/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/12/2022	ND					

Surrogate: 1-Chlorooctane 93.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.2 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 265 @ 5' (H224752-08)

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	10/14/2022	ND	2.21	110	2.00	3.85		
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 69.9-140

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	10/13/2022	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	10/12/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/12/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/12/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 269 @ 5' (H224752-09)

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	10/14/2022	ND	2.21	110	2.00	3.85		
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 69.9-140

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	10/13/2022	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	10/12/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/12/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/12/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 270 @ 5' (H224752-10)

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	10/14/2022	ND	2.21	110	2.00	3.85		
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70		
Total BTX	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 69.9-140

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	10/13/2022	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	10/12/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/12/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/12/2022	ND					

Surrogate: 1-Chlorooctane 91.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.6 % 46.3-178

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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: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 277 @ 5' (H224752-11)

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	10/14/2022	ND	2.21	110	2.00	3.85		
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.4 % 69.9-140

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	10/13/2022	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	10/12/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/12/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/12/2022	ND					

Surrogate: 1-Chlorooctane 91.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.7 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 281 @ 5' (H224752-12)

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	10/14/2022	ND	2.21	110	2.00	3.85		
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70		
Total BTX	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/13/2022	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	10/13/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 83.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.3 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 286 @ 5' (H224752-13)

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	10/14/2022	ND	2.21	110	2.00	3.85		
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 69.9-140

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	10/13/2022	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	10/13/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.6 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 289 @ 5' (H224752-14)

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	10/14/2022	ND	2.21	110	2.00	3.85		
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/13/2022	ND	432	108	400	0.00	QR-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	10/13/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 86.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.7 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 294 @ 5' (H224752-15)

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	10/14/2022	ND	2.21	110	2.00	3.85	
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39	
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70	
Total BTX	<0.300	0.300	10/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 69.9-140

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	10/13/2022	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	10/13/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 88.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.0 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 297 @ 5' (H224752-16)

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	10/14/2022	ND	2.21	110	2.00	3.85		
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/13/2022	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	10/13/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 85.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.9 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 305 @ 5' (H224752-17)

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	10/14/2022	ND	2.21	110	2.00	3.85		
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 69.9-140

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	10/13/2022	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	10/13/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 88.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.3 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 304 @ 5' (H224752-18)

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	10/14/2022	ND	2.21	110	2.00	3.85		
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 69.9-140

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	10/13/2022	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	10/13/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 91.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.9 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 309 @ 5' (H224752-19)

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	10/14/2022	ND	2.21	110	2.00	3.85		
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 89.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/13/2022	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	10/13/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 87.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.6 % 46.3-178

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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: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 314 @ 5' (H224752-20)

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	10/14/2022	ND	2.21	110	2.00	3.85		
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 69.9-140

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	10/13/2022	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	10/13/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 95.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.0 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 318 @ 5' (H224752-21)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2022	ND	2.21	110	2.00	3.85	
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39	
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70	
Total BTX	<0.300	0.300	10/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 69.9-140

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	10/13/2022	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	10/13/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 85.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.4 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 326 @ 5' (H224752-22)

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	10/14/2022	ND	2.21	110	2.00	3.85	
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39	
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70	
Total BTX	<0.300	0.300	10/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 69.9-140

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	10/13/2022	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	10/13/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 97.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 327 @ 5' (H224752-23)

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	10/14/2022	ND	2.21	110	2.00	3.85		
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70		
Total BTX	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/13/2022	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	10/13/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.7 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 332 @ .5' (H224752-24)

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	10/14/2022	ND	2.21	110	2.00	3.85		
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70		
Total BTEX	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/13/2022	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	10/13/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 96.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 338 @ 5' (H224752-25)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2022	ND	2.21	110	2.00	3.85	
Toluene*	<0.050	0.050	10/14/2022	ND	2.11	106	2.00	1.48	
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	2.07	103	2.00	1.39	
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.31	105	6.00	1.70	
Total BTX	<0.300	0.300	10/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 69.9-140

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	10/13/2022	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	10/13/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 96.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.0 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 340 @ 5' (H224752-26)

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	10/14/2022	ND	1.98	99.1	2.00	0.815		
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/13/2022	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	10/13/2022	ND	205	102	200	1.88	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	7.71	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 95.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.0 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 344 @ 5' (H224752-27)

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	10/14/2022	ND	1.98	99.1	2.00	0.815		
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	10/13/2022	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	10/12/2022	ND	229	115	200	0.249	
DRO >C10-C28*	<10.0	10.0	10/12/2022	ND	246	123	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	10/12/2022	ND					

Surrogate: 1-Chlorooctane 84.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.6 % 46.3-178

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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: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 347 @ 5' (H224752-28)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/14/2022	ND	1.98	99.1	2.00	0.815	
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674	
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337	
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08	
Total BTX	<0.300	0.300	10/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	10/13/2022	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	10/12/2022	ND	229	115	200	0.249	
DRO >C10-C28*	<10.0	10.0	10/12/2022	ND	246	123	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	10/12/2022	ND					

Surrogate: 1-Chlorooctane 73.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.2 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 348 @ 5' (H224752-29)

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	10/14/2022	ND	1.98	99.1	2.00	0.815		
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/13/2022	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	10/12/2022	ND	229	115	200	0.249	
DRO >C10-C28*	<10.0	10.0	10/12/2022	ND	246	123	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	10/12/2022	ND					

Surrogate: 1-Chlorooctane 77.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 349 @ 5' (H224752-30)

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	10/14/2022	ND	1.98	99.1	2.00	0.815	
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674	
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337	
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08	
Total BTX	<0.300	0.300	10/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	10/13/2022	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	10/12/2022	ND	229	115	200	0.249	
DRO >C10-C28*	<10.0	10.0	10/12/2022	ND	246	123	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	10/12/2022	ND					

Surrogate: 1-Chlorooctane 65.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.4 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 356 @ 5' (H224752-31)

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	10/14/2022	ND	1.98	99.1	2.00	0.815		
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

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	10/13/2022	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	10/12/2022	ND	229	115	200	0.249	
DRO >C10-C28*	<10.0	10.0	10/12/2022	ND	246	123	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	10/12/2022	ND					

Surrogate: 1-Chlorooctane 76.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.9 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 357 @ 5' (H224752-32)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2022	ND	1.98	99.1	2.00	0.815		
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	10/13/2022	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	10/13/2022	ND	229	115	200	0.249	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	246	123	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 84.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: PR - 358 @ 5' (H224752-33)

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	10/14/2022	ND	1.98	99.1	2.00	0.815	
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674	
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337	
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08	
Total BTX	<0.300	0.300	10/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	10/13/2022	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	10/13/2022	ND	229	115	200	0.249	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	246	123	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 74.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 15 @ 3' (H224752-34)

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	10/14/2022	ND	1.98	99.1	2.00	0.815		
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08		
Total BTX	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

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	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	229	115	200	0.249	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	246	123	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 78.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 16 @ 3' (H224752-35)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2022	ND	1.98	99.1	2.00	0.815		
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	229	115	200	0.249	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	246	123	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 66.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.5 % 46.3-178

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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: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 17 @ 3' (H224752-36)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2022	ND	1.98	99.1	2.00	0.815		
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	229	115	200	0.249	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	246	123	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 71.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 18 @ 3' (H224752-37)

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	10/14/2022	ND	1.98	99.1	2.00	0.815		
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08		
Total BTX	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	229	115	200	0.249	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	246	123	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 71.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.6 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 19 @ 3' (H224752-38)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2022	ND	1.98	99.1	2.00	0.815		
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	229	115	200	0.249	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	246	123	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 68.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 20 @ 3' (H224752-39)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2022	ND	1.98	99.1	2.00	0.815		
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

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	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	229	115	200	0.249	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	246	123	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 66.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 21 @ 3' (H224752-40)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2022	ND	1.98	99.1	2.00	0.815		
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	229	115	200	0.249	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	246	123	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 70.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.3 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 22 @ 3' (H224752-41)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2022	ND	1.98	99.1	2.00	0.815		
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

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	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	229	115	200	0.249	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	246	123	200	0.905	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 66.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 23 @ 3' (H224752-42)

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	10/14/2022	ND	1.98	99.1	2.00	0.815		
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08		
Total BTX	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	201	101	200	1.18	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	204	102	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 92.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 24 @ 3' (H224752-43)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2022	ND	1.98	99.1	2.00	0.815		
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	201	101	200	1.18	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	204	102	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 92.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 25 @ 3' (H224752-44)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2022	ND	1.98	99.1	2.00	0.815		
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

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	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	201	101	200	1.18	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	204	102	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 84.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.1 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 26 @ 3' (H224752-45)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2022	ND	1.98	99.1	2.00	0.815		
Toluene*	<0.050	0.050	10/14/2022	ND	1.99	99.4	2.00	0.674		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.96	97.9	2.00	0.337		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.02	100	6.00	1.08		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	201	101	200	1.18	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	204	102	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.9 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 27 @ 3' (H224752-46)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2022	ND	2.19	109	2.00	5.31	
Toluene*	<0.050	0.050	10/12/2022	ND	2.07	104	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/12/2022	ND	2.01	101	2.00	5.24	
Total Xylenes*	<0.150	0.150	10/12/2022	ND	6.06	101	6.00	5.39	
Total BTEx	<0.300	0.300	10/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 69.9-140

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	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	201	101	200	1.18	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	204	102	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 88.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 28 @ 3' (H224752-47)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/12/2022	ND	2.19	109	2.00	5.31		
Toluene*	<0.050	0.050	10/12/2022	ND	2.07	104	2.00	5.61		
Ethylbenzene*	<0.050	0.050	10/12/2022	ND	2.01	101	2.00	5.24		
Total Xylenes*	<0.150	0.150	10/12/2022	ND	6.06	101	6.00	5.39		
Total BTEx	<0.300	0.300	10/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.9 % 69.9-140

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	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	201	101	200	1.18	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	204	102	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 82.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.8 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 29 @ 3' (H224752-48)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/12/2022	ND	2.19	109	2.00	5.31		
Toluene*	<0.050	0.050	10/12/2022	ND	2.07	104	2.00	5.61		
Ethylbenzene*	<0.050	0.050	10/12/2022	ND	2.01	101	2.00	5.24		
Total Xylenes*	<0.150	0.150	10/12/2022	ND	6.06	101	6.00	5.39		
Total BTEx	<0.300	0.300	10/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	201	101	200	1.18	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	204	102	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 84.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.6 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 30 @ 3' (H224752-49)

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	10/12/2022	ND	2.19	109	2.00	5.31	
Toluene*	<0.050	0.050	10/12/2022	ND	2.07	104	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/12/2022	ND	2.01	101	2.00	5.24	
Total Xylenes*	<0.150	0.150	10/12/2022	ND	6.06	101	6.00	5.39	
Total BTX	<0.300	0.300	10/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/13/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	201	101	200	1.18	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	204	102	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 90.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 31 @ 3' (H224752-50)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2022	ND	2.19	109	2.00	5.31	
Toluene*	<0.050	0.050	10/12/2022	ND	2.07	104	2.00	5.61	
Ethylbenzene*	<0.050	0.050	10/12/2022	ND	2.01	101	2.00	5.24	
Total Xylenes*	<0.150	0.150	10/12/2022	ND	6.06	101	6.00	5.39	
Total BTEx	<0.300	0.300	10/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 69.9-140

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	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	201	101	200	1.18	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	204	102	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 89.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 32 @ 3' (H224752-51)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/12/2022	ND	2.19	109	2.00	5.31		
Toluene*	<0.050	0.050	10/12/2022	ND	2.07	104	2.00	5.61		
Ethylbenzene*	<0.050	0.050	10/12/2022	ND	2.01	101	2.00	5.24		
Total Xylenes*	<0.150	0.150	10/12/2022	ND	6.06	101	6.00	5.39		
Total BTEX	<0.300	0.300	10/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 69.9-140

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	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	201	101	200	1.18	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	204	102	200	6.47	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 89.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 33 @ 3' (H224752-52)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/12/2022	ND	2.19	109	2.00	5.31		
Toluene*	<0.050	0.050	10/12/2022	ND	2.07	104	2.00	5.61		
Ethylbenzene*	<0.050	0.050	10/12/2022	ND	2.01	101	2.00	5.24		
Total Xylenes*	<0.150	0.150	10/12/2022	ND	6.06	101	6.00	5.39		
Total BTEx	<0.300	0.300	10/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 69.9-140

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	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	217	109	200	0.997	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	0.242	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 78.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.9 % 46.3-178

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 34 @ 3' (H224752-53)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/12/2022	ND	2.19	109	2.00	5.31		
Toluene*	<0.050	0.050	10/12/2022	ND	2.07	104	2.00	5.61		
Ethylbenzene*	<0.050	0.050	10/12/2022	ND	2.01	101	2.00	5.24		
Total Xylenes*	<0.150	0.150	10/12/2022	ND	6.06	101	6.00	5.39		
Total BTEx	<0.300	0.300	10/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 69.9-140

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	10/13/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2022	ND	217	109	200	0.997	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	0.242	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 77.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 35 @ 3' (H224752-54)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/12/2022	ND	2.19	109	2.00	5.31		
Toluene*	<0.050	0.050	10/12/2022	ND	2.07	104	2.00	5.61		
Ethylbenzene*	<0.050	0.050	10/12/2022	ND	2.01	101	2.00	5.24		
Total Xylenes*	<0.150	0.150	10/12/2022	ND	6.06	101	6.00	5.39		
Total BTEX	<0.300	0.300	10/12/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 69.9-140

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	10/13/2022	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	10/13/2022	ND	217	109	200	0.997	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	0.242	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 81.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 36 @ 3' (H224752-55)

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	10/14/2022	ND	2.06	103	2.00	3.43		
Toluene*	<0.050	0.050	10/14/2022	ND	2.02	101	2.00	3.40		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.99	99.5	2.00	3.82		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.04	101	6.00	4.93		
Total BTX	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/13/2022	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	10/13/2022	ND	217	109	200	0.997	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	0.242	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 81.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 37 @ 3' (H224752-56)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2022	ND	2.06	103	2.00	3.43		
Toluene*	<0.050	0.050	10/14/2022	ND	2.02	101	2.00	3.40		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.99	99.5	2.00	3.82		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.04	101	6.00	4.93		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/13/2022	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	10/13/2022	ND	217	109	200	0.997	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	0.242	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 71.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.6 % 46.3-178

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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: 10/10/2022
 Reported: 10/17/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/10/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: WALL - 38 @ 3' (H224752-57)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/14/2022	ND	2.06	103	2.00	3.43		
Toluene*	<0.050	0.050	10/14/2022	ND	2.02	101	2.00	3.40		
Ethylbenzene*	<0.050	0.050	10/14/2022	ND	1.99	99.5	2.00	3.82		
Total Xylenes*	<0.150	0.150	10/14/2022	ND	6.04	101	6.00	4.93		
Total BTEx	<0.300	0.300	10/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	10/13/2022	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	10/13/2022	ND	217	109	200	0.997	
DRO >C10-C28*	<10.0	10.0	10/13/2022	ND	228	114	200	0.242	
EXT DRO >C28-C36	<10.0	10.0	10/13/2022	ND					

Surrogate: 1-Chlorooctane 80.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager

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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.
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 60 of 65



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: Newbourne Oil Co.															
City: Hobbs				Attn: Connor Walker															
State: NM Zip: 88241																			
Phone #:				Address:															
Fax #:				City:															
Project #:				State:															
Project Name: YARBIRDS 34 WZNC RISER				Zip:															
Project Location: Eddy Co., NM				Phone #:															
Sample Name: KA				Fax #:															
FOR LAB USE ONLY																			
Lab I.D. H24752				Sample I.D.															
11 PR-277 @ 5'				C 1				(G)RAB OR (C)OMP.											
12 PR-281 @ 5'				C 1				# CONTAINERS											
13 PR-286 @ 5'				C 1				GROUNDWATER											
14 PR-289 @ 5'				C 1				WASTEWATER											
15 PR-294 @ 5'				C 1				SOIL											
16 PR-297 @ 5'				C 1				OIL											
17 PR-305 @ 5'				C 1				SLUDGE											
18 PR-304 @ 5'				C 1				OTHER:											
19 PR-309 @ 5'				C 1				ACID/BASE:											
20 PR-314 @ 5'				C 1				ICE / COOL											
								OTHER:											
								DATE											
								TIME											
								Chloride											
								TPH											
								BTEX											

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Relinquished By:	Received By:	Verbal Result:	Yes	No	Add'l Phone #:
12/10/22	12/10/22	All Results are emailed. Please provide Email address:			

Relinquished By: [Signature]

Received By: [Signature]

Date: 12/10/22

Time: 1533

REMARKS:

Delivered By: (Circle One)

Observed Temp. °C: 83.10

Corrected Temp. °C: 82.52

Sample Condition

Cool Intact: [X]

Turnaround Time:

Standard: [X]

Bacteria (only) Sample Condition

Cool Intact: [X]

Observed Temp. °C:

Corrected Temp. °C:



101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 62 of 65

Page 63 of 65

Project Manager: Dan Dunkelberg		P.O. #:		Company: Newbourne Oil Co.	
Address: 8426 N Dal Paso		State: NM Zip: 88241		Attn: Connor Walker	
City: Hobbs		Fax #:		Address:	
Phone #:		Project Owner: (see below)		City:	
Project #:		State:		Zip:	
Project Name: YARDBIRDS 34 WZNC RISE		dan@trinityoilfieldservices.com		Phone #:	
Project Location: Eddy Co., NM		Fax #:		SAMPLING	
Sampler Name: KA		Matrix: GROUNDWATER, WASTEWATER, SOIL, OIL, SLUDGE, OTHER:		PRESERV.:	
FOR LAB USE ONLY		# CONTAINERS		DATE	
Lab I.D. H224752		(G)RAB OR (C)OMP.		TIME	
Sample I.D.		Chloride		TPH	
41 Wall-22 @ 3'		X		X	
42 Wall-23 @ 3'		X		X	
43 Wall-24 @ 3'		X		X	
44 Wall-25 @ 3'		X		X	
45 Wall-26 @ 3'		X		X	
46 Wall-27 @ 3'		X		X	
47 Wall-28 @ 3'		X		X	
48 Wall-29 @ 3'		X		X	
49 Wall-30 @ 3'		X		X	
50 Wall-31 @ 3'		X		X	
10/10/2022 835		10/10/2022 840		10/10/2022 845	
10/10/2022 850		10/10/2022 855		10/10/2022 1135	
10/10/2022 1140		10/10/2022 1145		10/10/2022 1150	
10/10/2022 1155		10/10/2022 1155		10/10/2022 1155	
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Relinquished By: [Signature]		Received By: [Signature]		All Results are emailed. Please provide Email address:	
Time: 11/10		Date: 11/10		REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C: 23.10		Sample Condition: Cool Intact [X] Yes [] No	
Sampler - UPS - Bus - Other:		Corrected Temp. °C: 23.52		Turnaround Time: Standard [X] Rush []	
Bacteria (only) Sample Condition: Cool Intact [X] Yes [] No		Observed Temp. °C:		Corrected Temp. °C:	
CARDINAL Laboratories		101 East Marland, Hobbs, NM 88240		CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	
(575) 393-2326 FAX (575) 393-2476		BILL TO		ANALYSIS REQUEST	
Company Name: Trinity Oilfield Services		P.O. #:		Project Manager: Dan Dunkelberg	

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

Page 65 of 65



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

October 19, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 10/14/22 16:03.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at 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:	10/14/2022	Sampling Date:	10/14/2022
Reported:	10/19/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: PR - 45 @ 6' (H224854-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2022	ND	1.90	95.1	2.00	5.35	
Toluene*	<0.050	0.050	10/18/2022	ND	1.88	94.1	2.00	5.85	
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	1.86	93.0	2.00	4.94	
Total Xylenes*	<0.150	0.150	10/18/2022	ND	5.67	94.5	6.00	5.32	
Total BTX	<0.300	0.300	10/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/18/2022	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2022	ND	241	121	200	12.7	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	236	118	200	15.7	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 84.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.4 % 46.3-178

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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: 10/14/2022
 Reported: 10/19/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 51 @ 6' (H224854-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2022	ND	2.05	102	2.00	0.553	
Toluene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.214	
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	2.02	101	2.00	0.0113	
Total Xylenes*	<0.150	0.150	10/18/2022	ND	6.07	101	6.00	1.05	
Total BTEx	<0.300	0.300	10/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

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	10/18/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2022	ND	241	121	200	12.7	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	236	118	200	15.7	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 123 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/14/2022
 Reported: 10/19/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 76 @ 6' (H224854-03)

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	10/18/2022	ND	2.05	102	2.00	0.553	
Toluene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.214	
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	2.02	101	2.00	0.0113	
Total Xylenes*	<0.150	0.150	10/18/2022	ND	6.07	101	6.00	1.05	
Total BTX	<0.300	0.300	10/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 69.9-140

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	10/18/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/18/2022	ND	210	105	200	2.92	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	215	108	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/14/2022
 Reported: 10/19/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 77 @ 6' (H224854-04)

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	10/18/2022	ND	2.05	102	2.00	0.553	
Toluene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.214	
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	2.02	101	2.00	0.0113	
Total Xylenes*	<0.150	0.150	10/18/2022	ND	6.07	101	6.00	1.05	
Total BTEx	<0.300	0.300	10/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/18/2022	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	10/18/2022	ND	210	105	200	2.92	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	215	108	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 93.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/14/2022
 Reported: 10/19/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/14/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR - 78 @ 6' (H224854-05)

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	10/18/2022	ND	2.05	102	2.00	0.553	
Toluene*	<0.050	0.050	10/18/2022	ND	2.17	108	2.00	0.214	
Ethylbenzene*	<0.050	0.050	10/18/2022	ND	2.02	101	2.00	0.0113	
Total Xylenes*	<0.150	0.150	10/18/2022	ND	6.07	101	6.00	1.05	
Total BTEx	<0.300	0.300	10/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/18/2022	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	10/18/2022	ND	210	105	200	2.92	
DRO >C10-C28*	<10.0	10.0	10/18/2022	ND	215	108	200	4.46	
EXT DRO >C28-C36	<10.0	10.0	10/18/2022	ND					

Surrogate: 1-Chlorooctane 97.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 100 % 46.3-178

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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 "Celey D. Keene", written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Page 8 of 8



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

October 28, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 10/20/22 15:52.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at 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:	10/20/2022	Sampling Date:	10/20/2022
Reported:	10/28/2022	Sampling Type:	Soil
Project Name:	YARDBIRDS 34 W2NC RISER	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: PR-366 @ 6' (H224947-01)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/26/2022	ND	2.06	103	2.00	0.919		
Toluene*	<0.050	0.050	10/26/2022	ND	2.20	110	2.00	0.488		
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.06	103	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.20	103	6.00	1.73		
Total BTEx	<0.300	0.300	10/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	10/25/2022	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	10/25/2022	ND	213	106	200	4.47	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	206	103	200	9.91	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 95.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR-345 @ 6' (H224947-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2022	ND	2.06	103	2.00	0.919	
Toluene*	<0.050	0.050	10/26/2022	ND	2.20	110	2.00	0.488	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.06	103	2.00	1.67	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.20	103	6.00	1.73	
Total BTEx	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/25/2022	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	10/25/2022	ND	213	106	200	4.47	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	206	103	200	9.91	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 77.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.8 % 46.3-178

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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: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR-346 @ 6' (H224947-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/26/2022	ND	2.06	103	2.00	0.919	
Toluene*	<0.050	0.050	10/26/2022	ND	2.20	110	2.00	0.488	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.06	103	2.00	1.67	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.20	103	6.00	1.73	
Total BTEx	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	10/25/2022	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	10/25/2022	ND	213	106	200	4.47	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	206	103	200	9.91	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 84.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.9 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR-476 @ 6' (H224947-04)

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	10/26/2022	ND	2.06	103	2.00	0.919	
Toluene*	<0.050	0.050	10/26/2022	ND	2.20	110	2.00	0.488	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.06	103	2.00	1.67	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.20	103	6.00	1.73	
Total BTEx	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	592	16.0	10/25/2022	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	10/25/2022	ND	213	106	200	4.47	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	206	103	200	9.91	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 90.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR-288 @ 6' (H224947-05)

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	10/26/2022	ND	2.06	103	2.00	0.919		
Toluene*	<0.050	0.050	10/26/2022	ND	2.20	110	2.00	0.488		
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.06	103	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.20	103	6.00	1.73		
Total BTEx	<0.300	0.300	10/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	10/25/2022	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	10/25/2022	ND	213	106	200	4.47	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	206	103	200	9.91	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 98.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 46.3-178

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 Fax To: NONE

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR-262 @ 6' (H224947-06)

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	10/26/2022	ND	2.06	103	2.00	0.919	
Toluene*	<0.050	0.050	10/26/2022	ND	2.20	110	2.00	0.488	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.06	103	2.00	1.67	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.20	103	6.00	1.73	
Total BTEx	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	10/25/2022	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	10/25/2022	ND	213	106	200	4.47	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	206	103	200	9.91	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 87.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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 HOBBS NM, 88241
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Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR-261 @ 6' (H224947-07)

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	10/26/2022	ND	2.06	103	2.00	0.919	
Toluene*	<0.050	0.050	10/26/2022	ND	2.20	110	2.00	0.488	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.06	103	2.00	1.67	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.20	103	6.00	1.73	
Total BTEx	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	10/25/2022	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	10/25/2022	ND	213	106	200	4.47	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	206	103	200	9.91	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 86.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR-220 @ 6' (H224947-08)

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	10/26/2022	ND	2.06	103	2.00	0.919	
Toluene*	<0.050	0.050	10/26/2022	ND	2.20	110	2.00	0.488	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.06	103	2.00	1.67	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.20	103	6.00	1.73	
Total BTEx	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	10/25/2022	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	10/25/2022	ND	213	106	200	4.47	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	206	103	200	9.91	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR-194 @ 6' (H224947-09)

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	10/26/2022	ND	2.06	103	2.00	0.919	
Toluene*	<0.050	0.050	10/26/2022	ND	2.20	110	2.00	0.488	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.06	103	2.00	1.67	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.20	103	6.00	1.73	
Total BTEx	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	10/25/2022	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	10/25/2022	ND	213	106	200	4.47	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	206	103	200	9.91	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 83.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.1 % 46.3-178

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR-165 @ 6' (H224947-10)

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	10/26/2022	ND	2.06	103	2.00	0.919	
Toluene*	<0.050	0.050	10/26/2022	ND	2.20	110	2.00	0.488	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.06	103	2.00	1.67	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.20	103	6.00	1.73	
Total BTEx	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	10/25/2022	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	10/25/2022	ND	213	106	200	4.47	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	206	103	200	9.91	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 77.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.3 % 46.3-178

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR-164 @ 6' (H224947-11)

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	10/26/2022	ND	2.06	103	2.00	0.919	
Toluene*	<0.050	0.050	10/26/2022	ND	2.20	110	2.00	0.488	
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.06	103	2.00	1.67	
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.20	103	6.00	1.73	
Total BTEx	<0.300	0.300	10/26/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/25/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2022	ND	213	106	200	4.47	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	206	103	200	9.91	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 96.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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 HOBBS NM, 88241
 Fax To: NONE

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR-157 @ 6' (H224947-12)

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	10/26/2022	ND	2.06	103	2.00	0.919		
Toluene*	<0.050	0.050	10/26/2022	ND	2.20	110	2.00	0.488		
Ethylbenzene*	<0.050	0.050	10/26/2022	ND	2.06	103	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/26/2022	ND	6.20	103	6.00	1.73		
Total BTEx	<0.300	0.300	10/26/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	10/25/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2022	ND	231	115	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	239	119	200	0.789	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 94.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR-103 @ 6' (H224947-13)

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	10/27/2022	ND	2.06	103	2.00	0.919	
Toluene*	<0.050	0.050	10/27/2022	ND	2.20	110	2.00	0.488	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.06	103	2.00	1.67	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.20	103	6.00	1.73	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	10/25/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2022	ND	231	115	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	239	119	200	0.789	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 96.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR-79 @ 6' (H224947-14)

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	10/27/2022	ND	2.06	103	2.00	0.919		
Toluene*	<0.050	0.050	10/27/2022	ND	2.20	110	2.00	0.488		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.06	103	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.20	103	6.00	1.73		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	10/25/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2022	ND	231	115	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	239	119	200	0.789	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 97.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR-52 @ 6' (H224947-15)

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	10/27/2022	ND	2.06	103	2.00	0.919	
Toluene*	<0.050	0.050	10/27/2022	ND	2.20	110	2.00	0.488	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.06	103	2.00	1.67	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.20	103	6.00	1.73	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	10/25/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2022	ND	231	115	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	239	119	200	0.789	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 88.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Analytical Results For:

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 DAN DUNKELBERG
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 HOBBS NM, 88241
 Fax To: NONE

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: PR-49 @ 6' (H224947-16)

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	10/28/2022	ND	2.07	103	2.00	2.45		
Toluene*	<0.050	0.050	10/28/2022	ND	2.28	114	2.00	5.19		
Ethylbenzene*	<0.050	0.050	10/28/2022	ND	2.08	104	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/28/2022	ND	6.33	105	6.00	2.67		
Total BTEx	<0.300	0.300	10/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	10/25/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2022	ND	231	115	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	239	119	200	0.789	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 74.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.8 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WALL-39 @ 3' (H224947-17)

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	10/28/2022	ND	2.07	103	2.00	2.45		
Toluene*	<0.050	0.050	10/28/2022	ND	2.28	114	2.00	5.19		
Ethylbenzene*	<0.050	0.050	10/28/2022	ND	2.08	104	2.00	2.27		
Total Xylenes*	<0.150	0.150	10/28/2022	ND	6.33	105	6.00	2.67		
Total BTEx	<0.300	0.300	10/28/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	10/25/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2022	ND	231	115	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	239	119	200	0.789	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 88.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WALL-40 @ 3' (H224947-18)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/28/2022	ND	2.07	103	2.00	2.45	
Toluene*	<0.050	0.050	10/28/2022	ND	2.28	114	2.00	5.19	
Ethylbenzene*	<0.050	0.050	10/28/2022	ND	2.08	104	2.00	2.27	
Total Xylenes*	<0.150	0.150	10/28/2022	ND	6.33	105	6.00	2.67	
Total BTX	<0.300	0.300	10/28/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	10/25/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2022	ND	231	115	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	239	119	200	0.789	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 59.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 64.9 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WALL-41 @ 3' (H224947-19)

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	10/27/2022	ND	2.05	103	2.00	5.02		
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/25/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/25/2022	ND	231	115	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/25/2022	ND	239	119	200	0.789	
EXT DRO >C28-C36	<10.0	10.0	10/25/2022	ND					

Surrogate: 1-Chlorooctane 88.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: WALL-42 @ 3' (H224947-20)

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	10/27/2022	ND	2.05	103	2.00	5.02		
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	10/25/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2022	ND	231	115	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	239	119	200	0.789	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 76.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.9 % 46.3-178

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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: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-1 S @ 2' (H224947-21)

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	10/27/2022	ND	2.05	103	2.00	5.02	
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/25/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2022	ND	231	115	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	239	119	200	0.789	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 92.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-1 N @ 2' (H224947-22)

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	10/27/2022	ND	2.05	103	2.00	5.02	
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	10/25/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2022	ND	231	115	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	239	119	200	0.789	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 91.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-1 W @ 2' (H224947-23)

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	10/27/2022	ND	2.05	103	2.00	5.02	
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	10/25/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2022	ND	231	115	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	239	119	200	0.789	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 91.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-2 N @ 2' (H224947-24)

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	10/27/2022	ND	2.05	103	2.00	5.02	
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	10/25/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2022	ND	231	115	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	239	119	200	0.789	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 87.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-3 S @ 2' (H224947-25)

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	10/27/2022	ND	2.05	103	2.00	5.02		
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	10/25/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2022	ND	231	115	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	239	119	200	0.789	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 89.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-4 N @ 2' (H224947-26)

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	10/27/2022	ND	2.05	103	2.00	5.02	
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/25/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2022	ND	231	115	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	239	119	200	0.789	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 91.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-5 S @ 2' (H224947-27)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.05	103	2.00	5.02	
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07	
Total BTX	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	10/25/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2022	ND	231	115	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	239	119	200	0.789	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-6 N @ 2' (H224947-28)

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	10/27/2022	ND	2.05	103	2.00	5.02	
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	10/25/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 96.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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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: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-7 S @ 2' (H224947-29)

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	10/27/2022	ND	2.05	103	2.00	5.02	
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	10/25/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-8 N @ 2' (H224947-30)

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	10/27/2022	ND	2.05	103	2.00	5.02	
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	10/25/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 109 % 45.3-161

Surrogate: 1-Chlorooctadecane 123 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-9 S @ 2' (H224947-31)

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	10/27/2022	ND	2.05	103	2.00	5.02	
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	10/25/2022	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	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 113 % 45.3-161

Surrogate: 1-Chlorooctadecane 127 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-10 N @ 2' (H224947-32)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.05	103	2.00	5.02	
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/25/2022	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	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 109 % 45.3-161

Surrogate: 1-Chlorooctadecane 120 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-10 S @ 2' (H224947-33)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.05	103	2.00	5.02	
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	10/25/2022	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	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 109 % 45.3-161

Surrogate: 1-Chlorooctadecane 121 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-11 N @ 2' (H224947-34)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.05	103	2.00	5.02	
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	10/25/2022	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	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 111 % 45.3-161

Surrogate: 1-Chlorooctadecane 123 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-11 S @ 2' (H224947-35)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	2.05	103	2.00	5.02		
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	10/25/2022	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	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-12 N @ 2' (H224947-36)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.05	103	2.00	5.02	
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07	
Total BTEX	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	672	16.0	10/25/2022	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	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 113 % 45.3-161

Surrogate: 1-Chlorooctadecane 125 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-12 S @ 2' (H224947-37)

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	10/27/2022	ND	2.05	103	2.00	5.02	
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07	
Total BTX	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	10/25/2022	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	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 126 % 46.3-178

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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: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-13 N @ 2' (H224947-38)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.05	103	2.00	5.02	
Toluene*	<0.050	0.050	10/27/2022	ND	2.15	107	2.00	5.28	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.09	104	2.00	5.01	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.22	104	6.00	5.07	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	528	16.0	10/25/2022	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	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 112 % 45.3-161

Surrogate: 1-Chlorooctadecane 126 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-13 S @ 2' (H224947-39)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	2.12	106	2.00	11.7		
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	10/25/2022	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	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 111 % 45.3-161

Surrogate: 1-Chlorooctadecane 123 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-14 N @ 2' (H224947-40)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	2.12	106	2.00	11.7		
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	496	16.0	10/25/2022	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	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 115 % 45.3-161

Surrogate: 1-Chlorooctadecane 129 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-14 S @ 2' (H224947-41)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.12	106	2.00	11.7	
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	10/25/2022	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	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 123 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-15 N @ 2' (H224947-42)

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	10/27/2022	ND	2.12	106	2.00	11.7		
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5		
Total BTX	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	10/25/2022	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	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-15 S @ 2' (H224947-43)

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	10/27/2022	ND	2.12	106	2.00	11.7	
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5	
Total BTX	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.1 % 69.9-140

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	10/25/2022	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	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 98.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-16 N @ 2' (H224947-44)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.12	106	2.00	11.7	
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	10/25/2022	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	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 99.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-16 S @ 2' (H224947-45)

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	10/27/2022	ND	2.12	106	2.00	11.7	
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5	
Total BTX	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/25/2022	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	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 109 % 45.3-161

Surrogate: 1-Chlorooctadecane 123 % 46.3-178

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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: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-17 N @ 2' (H224947-46)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.12	106	2.00	11.7	
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5	
Total BTEX	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	560	16.0	10/25/2022	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	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 115 % 45.3-161

Surrogate: 1-Chlorooctadecane 128 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-17 S @ 2' (H224947-47)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	2.12	106	2.00	11.7		
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	10/25/2022	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	10/26/2022	ND	210	105	200	0.427	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	195	97.7	200	0.997	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 109 % 45.3-161

Surrogate: 1-Chlorooctadecane 124 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-18 N @ 2' (H224947-48)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.12	106	2.00	11.7	
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 91.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 111 % 45.3-161

Surrogate: 1-Chlorooctadecane 129 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-18 S @ 2' (H224947-49)

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	10/27/2022	ND	2.12	106	2.00	11.7	
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5	
Total BTX	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 123 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-19 N @ 2' (H224947-50)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.12	106	2.00	11.7	
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 117 % 45.3-161

Surrogate: 1-Chlorooctadecane 138 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-19 S @ 2' (H224947-51)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.12	106	2.00	11.7	
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 90.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 113 % 45.3-161

Surrogate: 1-Chlorooctadecane 131 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-20 N @ 2' (H224947-52)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.12	106	2.00	11.7	
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 121 % 45.3-161

Surrogate: 1-Chlorooctadecane 140 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-20 S @ 2' (H224947-53)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.12	106	2.00	11.7	
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 111 % 45.3-161

Surrogate: 1-Chlorooctadecane 129 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-20 E @ 2' (H224947-54)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	2.12	106	2.00	11.7		
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 129 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-21 N @ 2' (H224947-55)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.12	106	2.00	11.7	
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 69.9-140

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	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 119 % 45.3-161

Surrogate: 1-Chlorooctadecane 144 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-21 S @ 2' (H224947-56)

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	10/27/2022	ND	2.12	106	2.00	11.7	
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5	
Total BTX	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 118 % 45.3-161

Surrogate: 1-Chlorooctadecane 141 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-22 N @ 2' (H224947-57)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.12	106	2.00	11.7	
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 118 % 45.3-161

Surrogate: 1-Chlorooctadecane 146 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-22 S @ 2' (H224947-58)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.12	106	2.00	11.7	
Toluene*	<0.050	0.050	10/27/2022	ND	2.22	111	2.00	12.3	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.16	108	2.00	12.5	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.45	108	6.00	12.5	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 114 % 45.3-161

Surrogate: 1-Chlorooctadecane 137 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-23 N @ 2' (H224947-59)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 114 % 45.3-161

Surrogate: 1-Chlorooctadecane 134 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-23 S @ 2' (H224947-60)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 106 % 45.3-161

Surrogate: 1-Chlorooctadecane 129 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-24 N @ 2' (H224947-61)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 134 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-24 S @ 2' (H224947-62)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

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	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 133 % 46.3-178

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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: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-25 N @ 2' (H224947-63)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTEX	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 112 % 45.3-161

Surrogate: 1-Chlorooctadecane 136 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-25 S @ 2' (H224947-64)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 134 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-26 N @ 2' (H224947-65)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 121 % 45.3-161

Surrogate: 1-Chlorooctadecane 145 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-27 S @ 2' (H224947-66)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 119 % 45.3-161

Surrogate: 1-Chlorooctadecane 145 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-27 N @ 2' (H224947-67)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	10/25/2022	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	10/26/2022	ND	216	108	200	1.80	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	217	108	200	1.78	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 123 % 45.3-161

Surrogate: 1-Chlorooctadecane 149 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-28 N @ 2' (H224947-68)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	10/25/2022	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	10/26/2022	ND	178	89.1	200	0.311	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	173	86.7	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 99.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 112 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-29 N @ 2' (H224947-69)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	10/25/2022	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	10/26/2022	ND	178	89.1	200	0.311	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	173	86.7	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.4 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-30 E @ 2' (H224947-70)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	10/25/2022	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	10/26/2022	ND	178	89.1	200	0.311	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	173	86.7	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 98.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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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: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-31 E @ 2' (H224947-71)

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	10/27/2022	ND	1.91	95.7	2.00	5.46	
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59	
Total BTX	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 69.9-140

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	10/25/2022	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	10/26/2022	ND	178	89.1	200	0.311	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	173	86.7	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 93.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-31 S @ 2' (H224947-72)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	512	16.0	10/25/2022	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	10/26/2022	ND	178	89.1	200	0.311	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	173	86.7	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 94.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-32 S @ 2' (H224947-73)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	10/25/2022	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	10/26/2022	ND	178	89.1	200	0.311	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	173	86.7	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-36 S @ 2' (H224947-74)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	10/25/2022	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	10/26/2022	ND	178	89.1	200	0.311	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	173	86.7	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 95.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-37 S @ 2' (H224947-75)

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	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTX	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	10/25/2022	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	10/26/2022	ND	178	89.1	200	0.311	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	173	86.7	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-39 N @ 2' (H224947-76)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	544	16.0	10/25/2022	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	10/26/2022	ND	178	89.1	200	0.311	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	173	86.7	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 118 % 45.3-161

Surrogate: 1-Chlorooctadecane 132 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-40 N @ 2' (H224947-77)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 69.9-140

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	10/25/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2022	ND	178	89.1	200	0.311	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	173	86.7	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 119 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-41 W @ 2' (H224947-78)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/27/2022	ND	1.91	95.7	2.00	5.46		
Toluene*	<0.050	0.050	10/27/2022	ND	2.11	105	2.00	1.44		
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	1.96	98.1	2.00	3.45		
Total Xylenes*	<0.150	0.150	10/27/2022	ND	5.92	98.6	6.00	3.59		
Total BTEx	<0.300	0.300	10/27/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	10/25/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2022	ND	178	89.1	200	0.311	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	173	86.7	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 95.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Analytical Results For:

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

Received: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-26 S @ 2' (H224947-79)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.06	103	2.00	0.165	
Toluene*	<0.050	0.050	10/27/2022	ND	2.20	110	2.00	1.32	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.07	103	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.27	105	6.00	1.38	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	10/25/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2022	ND	178	89.1	200	0.311	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	173	86.7	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 110 % 45.3-161

Surrogate: 1-Chlorooctadecane 121 % 46.3-178

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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: 10/20/2022
 Reported: 10/28/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-40 W @ 2' (H224947-80)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/27/2022	ND	2.06	103	2.00	0.165	
Toluene*	<0.050	0.050	10/27/2022	ND	2.20	110	2.00	1.32	
Ethylbenzene*	<0.050	0.050	10/27/2022	ND	2.07	103	2.00	1.55	
Total Xylenes*	<0.150	0.150	10/27/2022	ND	6.27	105	6.00	1.38	
Total BTEx	<0.300	0.300	10/27/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	10/25/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/26/2022	ND	178	89.1	200	0.311	
DRO >C10-C28*	<10.0	10.0	10/26/2022	ND	173	86.7	200	2.98	
EXT DRO >C28-C36	<10.0	10.0	10/26/2022	ND					

Surrogate: 1-Chlorooctane 97.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

A-01	CCV GRO failed high - All samples ND for GRO.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



101 East Maryland, 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: Newbourn Oil Co.
Address: 8426 N C JI Paso		Attn: Connor Walker
City: Hobbs	State: NM Zip: 88241	Address:
Phone #:	Fax #:	City:
Project #:	Project Owner: (see below)	
Project Name: YAROBIRDS 34 WZNC RISER	State:	Zip:
Project Location: Eddy Co., NM	Phone #:	
Sampler Name: KA	Fax #:	

FOR LAB USE ONLY

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				DATE	TIME	Chloride	TPH	BTEX										
				GROUNDWATER	WASTEWATER	SOIL	OIL															
1	PR-366 @ 6'	C 1	X					10/20/2022	600	X	X	X										
2	PR-345 @ 6'	C 1	X					10/20/2022	605	X	X	X										
3	PR-346 @ 6'	C 1	X					10/20/2022	610	X	X	X										
4	PR-476 @ 6'	C 1	X					10/20/2022	615	X	X	X										
5	PR-288 @ 6'	C 1	X					10/20/2022	620	X	X	X										
6	PR-262 @ 6'	C 1	X					10/20/2022	625	X	X	X										
7	PR-261 @ 6'	C 1	X					10/20/2022	630	X	X	X										
8	PR-220 @ 6'	C 1	X					10/20/2022	635	X	X	X										
9	PR-194 @ 6'	C 1	X					10/20/2022	640	X	X	X										
10	PR-165 @ 6'	C 1	X					10/20/2022	645	X	X	X										

analysis. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruption, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By:

Date: 10-20-22

Received By:

Verbal Result:

Yes

No

Add'l Phone #:

All Results are emailed. Please provide Email address:

Relinquished By:

Date: 10-20-22

Received By:

REMARKS:

Delivered By: (Circle One)	Observed Temp. °C 24.1	Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>	CHECKED BY: (Initials) YD	Turnaround Time:	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition Cool <input type="checkbox"/> Intact <input type="checkbox"/>	Observed Temp. °C
Sampler - UPS - Bus - Other:	Corrected Temp. °C 23.5	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID #113		Yes <input type="checkbox"/> No <input type="checkbox"/>	Corrected Temp. °C

* Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinalabnm.com

Page 84 of 90



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services				P.O. #:		BILL TO		ANALYSIS REQUEST																																			
Project Manager: Dan Dunkelberg				Company:		Membourne Oil Co.																																					
Address: 8426 N Dal Paso				Attn:		Connor Walker																																					
City: Hobbs				State: NM		Zip: 88241																																					
Phone #:				Fax #:		Address:																																					
Project #:				Project Owner: (see below)		City:																																					
Project Name: YARBORUS 34 WZNC RISER				State:		Zip:																																					
Project Location: Eddy Co., NM				Phone #:																																							
Sampler Name: KA				Fax #:																																							
FOR LAB USE ONLY				# CONTAINERS		MATRIX		PRESERV.		SAMPLING																																	
				GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		Chloride		TPH		BTEX													
Lab I.D. 1724547				Sample I.D.		(G)RAB OR (C)OMP.																																					
81				SP-1 S @ 2'		G 1		X																10/20/2022		740		X		X		X											
82				SP-1 N @ 2'		G 1		X																10/20/2022		745		X		X		X											
83				SP-1 W @ 2'		G 1		X																10/20/2022		750		X		X		X											
84				SP-2 N @ 2'		G 1		X																10/20/2022		755		X		X		X											
85				SP-3 S @ 2'		G 1		X																10/20/2022		800		X		X		X											
86				SP-4 N @ 2'		G 1		X																10/20/2022		805		X		X		X											
87				SP-5 S @ 2'		G 1		X																10/20/2022		810		X		X		X											
88				SP-6 N @ 2'		G 1		X																10/20/2022		815		X		X		X											
89				SP-7 S @ 2'		G 1		X																10/20/2022		820		X		X		X											
90				SP-8 N @ 2'		G 1		X																10/20/2022		825		X		X		X											

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Relinquished By: <i>Keene</i>	Date: 10-20-22	Received By: <i>Melissa Walker</i>	Verbal Result: <i>All Results are emailed. Please provide Email address:</i>	Yes	No	Add'l Phone #:
Relinquished By: <i>Keene</i>	Date: 10-20-22	Received By: <i>Melissa Walker</i>	Verbal Result: <i>All Results are emailed. Please provide Email address:</i>	Yes	No	Add'l Phone #:

REMARKS:

Delivered By: (Circle One)	Observed Temp. °C: 24.1	Corrected Temp. °C: 23.5	Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>Keene</i>	Turnaround Time: Thermometer ID #113	Standard: <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition: Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Observed Temp. °C:	Corrected Temp. °C:
----------------------------	-------------------------	--------------------------	---	-------------------------------------	--------------------------------------	---	---	--------------------	---------------------

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101 East Marland, Hobbs, NM 88240

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

LABORATORIES				(575) 393-2326 FAX (575) 393-2476				BILL TO				ANALYSIS REQUEST							
Company Name: Trinity Oilfield Services				P.O. #:															
Project Manager: Dan Dunkelberg				Company: Mendocino Oil Co.															
Address: 8426 N Dal Paso				Attn: Connor Walker															
City: Hobbs				State: NM Zip: 88241															
Phone #:				Fax #:															
Project #:				Project Owner: (see below)															
Project Name: YARBROS 34 WZNC RISER				dan@trinityoilfieldservices.com															
Project Location: Eddy Co., NM				Phone #:															
Sample Name: KA				Fax #:															
FOR LAB USE ONLY																			
Lab I.D. H24947				Sample I.D.															
				(G)RAB OR (C)OMP.															
				# CONTAINERS															
				GROUNDWATER															
				WASTEWATER															
				SOIL															
				OIL															
				SLUDGE															
				OTHER:															
				ACID/BASE:															
				ICE / COOL															
				OTHER:															
				DATE				TIME											
31				SP-9 S @ 2'				G 1				10/20/2022 830				Chloride			
32				SP-10 N @ 2'				G 1				10/20/2022 835				TPH			
33				SP-10 S @ 2'				G 1				10/20/2022 840				BTEX			
34				SP-11 N @ 2'				G 1				10/20/2022 845							
35				SP-11 S @ 2'				G 1				10/20/2022 850							
36				SP-12 N @ 2'				G 1				10/20/2022 855							
37				SP-12 S @ 2'				G 1				10/20/2022 900							
38				SP-13 N @ 2'				G 1				10/20/2022 905							
39				SP-13 S @ 2'				G 1				10/20/2022 910							
40				SP-14 N @ 2'				G 1				10/20/2022 915							
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Relinquished By: <i>[Signature]</i>				Date: 12.20.22				Received By: <i>[Signature]</i>				Date: 12.20.22				Verbal Result: Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:			
Relinquished By: <i>[Signature]</i>				Date: 12.20.22				Received By: <i>[Signature]</i>				Date: 12.20.22				REMARKS:			
Delivered By: (Circle One)				Observed Temp. °C				Sample Condition				CHECKED BY: (Initials)				Turnaround Time:			
Sampler - UPS - Other:				Corrected Temp. °C				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Bacteria (only) Sample Condition				Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No			
				24.1				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Corrected Temp. °C				Corrected Temp. °C			
				93.5				Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Thermometer ID #113				Correction Factor -0.5 °C			
† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinalabnm.com																			



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(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

Project Manager: Dan Dunkelberg		P.O. #:		Company: Menbourne Oil Co.	
Address: 8426 N Dal Paso		State: NM Zip: 86241		Attn: Corner Walker	
City: Hobbs		Fax #:		Address:	
Phone #:		Project Owner: (see below)		City:	
Project #:		Project Name: YARDBIRDS 34 WZNC RISK		State: Zip:	
Project Location: Eddy Co., NM		Phone #:		Fax #:	
Sample Name: KA		Matrix:		PRESERV.	
FOR LAB USE ONLY		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
51	SP-19 S @ 2'	G	1										10/20/2022	1010	X	X	X
52	SP-20 N @ 2'	G	1										10/20/2022	1015	X	X	X
53	SP-20 S @ 2'	G	1										10/20/2022	1020	X	X	X
54	SP-20 E @ 2'	G	1										10/20/2022	1025	X	X	X
55	SP-21 N @ 2'	G	1										10/20/2022	1030	X	X	X
56	SP-21 S @ 2'	G	1										10/20/2022	1035	X	X	X
57	SP-22 N @ 2'	G	1										10/20/2022	1040	X	X	X
58	SP-22 S @ 2'	G	1										10/20/2022	1045	X	X	X
59	SP-23 N @ 2'	G	1										10/20/2022	1050			
60	SP-23 S @ 2'	G	1										10/20/2022	1055			

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Relinquished By:	Date: 10-20-22	Received By:	Date: 10-20-22	Verbal Result:	Yes	No	Add'l Phone #:
Relinquished By:	Time: 1552	Received By:	Time: 1552	All Results are emailed. Please provide Email address:			

Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	24.1	Cool Intact	✓		X	Cool Intact
	Corrected Temp. 23.5	Yes	✓			Yes
		No				No
		No				Corrected Temp. °C

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

CARDINAL
Laboratories

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

Company Name: Trinity Oilfield Services
Project Manager: Dan Dunkelberg

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

ANALYSIS REQUEST

Page 89 of 90

City: Hobbs	State: NM	Zip: 88241	Attn: Connor Walker
Phone #:	Fax #:	Address:	
Project #:	Project Owner: (see below)	City:	
Project Name: YARDBIRDS 34 WZNC RISH	dan@trinityoilfieldservices.com	State:	Zip:
Project Location: Eddy Co., NM		Phone #:	
Sample Name: KA		Fax #:	

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX										DATE	TIME	Chloride	TPH	BTEX				
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	PRESERV.						SAMPLING			
71	SP-31 E @ 2'	G	1	X																		
72	SP-31 S @ 2'	G	1	X																		
73	SP-32 S @ 2'	G	1	X																		
74	SP-36 S @ 2'	G	1	X																		
75	SP-37 S @ 2'	G	1	X																		
76	SP-39 N @ 2'	G	1	X																		
77	SP-40 N @ 2'	G	1	X																		
78	SP-41 W @ 2'	G	1	X																		
79	SP-26 S @ 2'	G	1	X																		
80	SP-40 W @ 2'	G	1	X																		

Relinquished By: <i>[Signature]</i>	Date: 10.20.22	Received By: <i>[Signature]</i>	Verbal Result:	Yes	No	Add'l Phone #:
Time: 1552			All Results are emailed. Please provide Email address:			
Relinquished By:	Date:	Received By:	REMARKS:			
Time:						

Delivered By: (Circle One)	Observed Temp. °C: 24.1	Sample Condition: <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <i>Y.P.</i>	Turnaround Time:	Standard: <input checked="" type="checkbox"/> Rush <input type="checkbox"/> X	Bacteria (only) Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Observed Temp. °C:
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 23.5	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #113		<input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Corrected Temp. °C:
				Correction Factor 4.5 °C			

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



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

November 04, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: YARDBIRDS 34 W2NC RISER

Enclosed are the results of analyses for samples received by the laboratory on 10/28/22 15:46.

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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

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: 10/28/2022
 Reported: 11/04/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: EDDY CO., NM
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SP-15N@2' (H225103-01)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/04/2022	ND	2.01	101	2.00	6.30	
Toluene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.00	
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.01	
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.44	107	6.00	7.73	
Total BTX	<0.300	0.300	11/04/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	11/01/2022	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	11/01/2022	ND	194	96.8	200	1.10	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	177	88.7	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 94.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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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: 10/28/2022
 Reported: 11/04/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: EDDY CO., NM
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SP-12N@2' (H225103-02)

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	11/04/2022	ND	2.01	101	2.00	6.30		
Toluene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.00		
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.01		
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.44	107	6.00	7.73		
Total BTX	<0.300	0.300	11/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	528	16.0	11/01/2022	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	11/01/2022	ND	194	96.8	200	1.10	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	177	88.7	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 117 % 45.3-161

Surrogate: 1-Chlorooctadecane 126 % 46.3-178

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



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Analytical Results For:

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

Received: 10/28/2022
 Reported: 11/04/2022
 Project Name: YARDBIRDS 34 W2NC RISER
 Project Number: EDDY CO., NM
 Project Location: MEWBOURNE - EDDY CO NM

Sampling Date: 10/28/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Shalyn Rodriguez

Sample ID: SP-23S@2' (H225103-03)

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	11/04/2022	ND	2.01	101	2.00	6.30		
Toluene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.00		
Ethylbenzene*	<0.050	0.050	11/04/2022	ND	2.09	104	2.00	7.01		
Total Xylenes*	<0.150	0.150	11/04/2022	ND	6.44	107	6.00	7.73		
Total BTEx	<0.300	0.300	11/04/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	11/01/2022	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	11/01/2022	ND	194	96.8	200	1.10	
DRO >C10-C28*	<10.0	10.0	11/01/2022	ND	177	88.7	200	3.39	
EXT DRO >C28-C36	<10.0	10.0	11/01/2022	ND					

Surrogate: 1-Chlorooctane 105 % 45.3-161

Surrogate: 1-Chlorooctadecane 115 % 46.3-178

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Mike Snyder For 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 "Mike Snyder", is written over a horizontal line.

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

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Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 167850

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 167850
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2210440709 CWMS YARDBIRDS 34 W2NC SWD 6 RISER, thank you. This closure is approved.	3/31/2023