

Incident ID	NAPP2124627967
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	<u>155</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 type="checkbox"/> Yes <input checked="" 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

Page 4

Incident ID	NAPP2124627967
District RP	
Facility ID	
Application ID	

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

Printed Name: _____ 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: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

☐ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☒ Deferral ApprovedSignature: Jennifer Nobui Date: 05/23/2022

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Closure

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

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

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

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

Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Trinity Oilfield Services & Rentals, LLC



May 2, 2022

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

Re: **Closure Request**
Paduca 7/6 W1ED Fed Com # 2H
Tracking #: NAPP2124627967

Trinity Oilfield Services (Trinity), on behalf of Mewbourne Oil Co. (Mewbourne), 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	NAPP2124627967
Site Name	Paduca 7/6 W1ED Fed Com # 2H
Company	Mewbourne Oil Co.
County	Eddy County, NM
ULSTR	Unit Ltr. E, Sect. 7, T26S, R32E
GPS Coordinates (NAD 83)	32.058006, -103.72123
Landowner	Federal

RELEASE BACKGROUND

On 08/30/2021, Mewbourne reported a release at the Paduca 7/6 W1ED Fed Com # 2H. The release was caused when a check valve failed in a water transfer line, allowing water to backflow into two storage tanks that subsequently overflowed, filling the containment and overflowing onto the pad. Approximately 3,060 bbls of produced water was recovered from the containment and an additional 240 bbls were recovered on the pad outside the containment. A total of 3,300 bbls of produced water was recovered. Approximately 17,500 ft² of the pad was affected. Berms prevented the release from flowing to the pasture

Release Information	
Date of Release	08/30/2021
Type of Release	Produced Water
Source of Release	Equipment Failure
Volume Released – Produced Water	Approximately 3,325 bbls
Volume Recovered – Produced Water	Approximately 3,300 bbls
Affected Area – Damp Soil	Production Pad - Approximately 17,500 sq. ft.
Site Location Map	Figure 1

SITE CHARACTERIZATION AND CLOSURE CRITERIA

Depth to Groundwater/Wellhead Protection:

Data Source	Well Number	Data Date	Depth (ft.)
NMOSE	C 02090	12/31/1965	335
NMOSE	C 04209 POD 1	05/21/2018	155
USGS	NA	NA	NA

A search of the groundwater well databases maintained by the New Mexico Office of the State Engineer (NMOSE) and the United States Geological Survey (USGS) was conducted to determine if any registered groundwater wells are located within a 1/2 mile of the release site. The search revealed that one (1) well occurred in the data bases that meets the NMOCD criteria for age of data, 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
Pasture Impact	No

A risk-based site assessment/characterization was performed in accordance with 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, but no other water bodies (water wells, playas, sink holes, springs, water courses, lake beds, wetlands) or receptors (residence, school, hospital, institution, church, mining, municipal or other ordinance boundaries) were located within the regulatorily promulgated distances from the site.

Closure Criteria:

Site & Pasture 4ft bgs	Recommended Remedial Action Levels (RRALs)
Chlorides	20,000 mg/kg
TPH (GRO and DRO and MRO)	2,500 mg/kg
GRO + DRO	1,000 mg/kg
BTEX	50 mg/kg
Benzene	10 mg/kg

INITIAL ASSESMENT AND REMEDIATION ACTIVITES

Initial Sample Activities:

Delineation Summary	
Delineation Dates	11/12/2021 – 1/20/2022
Sample Locations	SD-1 – SD-3
Total Initial Samples	12
Depths Sampled	4' - 10' bgs.
Delineation Map	Figure 2
Laboratory Results	Table 1

A total of three (3) delineation sample points (SD-1 through SD-3) on the pad were investigated to depths ranging between 4 ft and 10 ft bgs using a hand auger or backhoe. A total of Twenty-One (21) samples were collected for laboratory analysis during the initial delineation of the site.

All soil samples were placed into laboratory supplied glassware, labeled, and maintained on ice until delivery to 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	03/09/2022 – 03/22/2022
Confirmation Sample Notification	email on 3/1/2022
Liner Variance Request	None
Deferral Request – Faculty Deconstruction	DF-1 – DF-5
Depths Excavated	4' – 5'
Area Represented by the required 5-point Confirmation Samples – Floors and Walls	200 sqFt
Total Volume of Excavated Soil	940 yds
Remediation Map	Figure 3
Laboratory Results	Table 1

Impacted soil within the release margins were 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 standard. Confirmation soil samples (five-point composites representing no more than 200 ft² 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 a NMOCD-approved disposal facility (Northern Delaware Basin Landfill) 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 which existed prior to 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 US Bureau of Land Management seed mixture during the first favorable growing season following closure of the site in accordance with the applicable regulatory agency.

REQUEST FOR CLOSURE

Supporting Documentation	
Initial C-141 with Spill Calculations	Signed and Attached
C-141, page 3 - 6	Signed and Attached
Depth to Groundwater Maps and Source	Attached
Site Location, Delineation, & Remediation Maps	Attached
US NWI Map	Attached
FEMA Flood Hazard Map	Attached
USDA Soil Survey	Attached
Site Photography	Attached
Laboratory Analytics with COCs	Attached

Based upon the laboratory results and remediation activities performed, Trinity Oilfield Services respectfully requests that the New Mexico Oil Conservation Division grant approval for Closure of the referenced release.

Sincerely,

Dan Dunkelberg
Project Manager

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

MEWBOURNE OIL COMPANY
PADUCA 7-6 W1ED 2H
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2124627967



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	1,000	NE	2,500	20,000
Vertical Delineation																	
SD-1 Vertical @ 4'	4'	11/12/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	619	619	152	771	1,410
SD-1 Vertical @ 6'	6'	1/20/2022	Grab	In-Situ	<0.050	0.292	0.314	-	-	5.35	5.96	127	1360	<10.0	185	1672	976
SD-1 Vertical @ 8'	8'	1/20/2022	Grab	In-Situ	<0.050	1.99	0.765	-	-	14.9	17.7	294	1960	<10.0	263	2517	1,410
SD-1 Vertical @ 10'	10'	11/12/2021	Grab	In-Situ	-	-	-	-	-	-	-	-	-	-	-	-	64
SD-2 Vertical @ 4'	4'	11/12/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	-	1.50	102	2,090	2192	319	2511	1,020
SD-2 Vertical @ 6'	6'	1/20/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	960
SD-2 Vertical @ 8'	8'	1/20/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	-	<0.300	<10.0	225	<10.0	28.3	253.3	384
SD-2 Vertical @ 10'	10'	11/12/2021	Grab	In-Situ	-	-	-	-	-	-	-	-	-	-	-	-	32
SD-3 Vertical @ 4'	4'	11/12/2021	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	-	2.75	205	3,020	3225	446	3671	208
SD-3 Vertical @ 6'	6'	1/20/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,120
SD-3 Vertical @ 8'	8'	1/20/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	-	<0.300	<10.0	123	<10.0	11.6	134.6	480
SD-3 Vertical @ 10'	10'	11/12/2021	Grab	In-Situ	-	-	-	-	-	-	-	-	-	-	-	-	64
Horizontal Delineation																	
SD-1 N @ 2'	2'	1/20/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	-	<0.300	<10.0	11.1	<10.0	<10.0	11.1	128
SD-1 S @ 2'	2'	1/20/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
SD-1 E @ 2'	2'	1/20/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
SD-1 NE @ 2'	2'	1/20/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112
SD-2 N @ 2'	2'	1/20/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SD-2 S @ 2'	2'	1/20/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
SD-3 N @ 2'	2'	1/20/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
SD-3 S @ 2'	2'	1/20/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
SD-3 W @ 2'	2'	1/20/2022	Grab	In-Situ	<0.050	<0.050	<0.050	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
Remediation Floors																	
SR - 1 @ 5'	5'	3/9/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	956	956	190	1,146	2160
SR - 2 @ 5'	5'	3/9/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
SR - 3 @ 5'	5'	3/9/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	241	241	43.5	285	3080
SR - 4 @ 5'	5'	3/9/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	752	752	189	941	16800
SR - 5 @ 5'	5'	3/9/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	303	303	43.2	346	8000
SR - 6 @ 5'	5'	3/9/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	713	713	93.9	807	1120
SR - 7 @ 5'	5'	3/9/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	249	249	15	264	4400
SR - 8 @ 5'	5'	3/9/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	10.8	1510	1,521	286	1,807	2600
SR - 8 @ 6	6'	3/18/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	41.4	41.4	36.8	78	656
SR - 9 @ 5'	5'	3/9/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	476	476	51.6	528	1280
SR - 10 @ 5'	5'	3/9/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	392	392	51	443	2800
SR - 11 @ 5'	5'	3/16/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	123	123	20.0	143	3840
SR - 12 @ 5'	5'	3/16/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	36.1	36.1	<10.0	36.1	624
SR - 13 @ 5'	5'	3/16/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	794	794	87.8	881.8	1410
SR - 14 @ 5'	5'	3/16/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	78.3	78.3	17.7	96	2600
SR - 15 @ 5'	5'	3/16/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	54.0	54.0	10.4	64.4	2720
SR - 16 @ 5'	5'	3/16/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	61.9	61.9	<10.0	61.9	1380
SR - 17 @ 5'	5'	3/16/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	112	112	17.6	129.6	768
SR - 18 @ 5'	5'	3/16/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	202	202	41.4	243.4	880
SR - 19 @ 5'	5'	3/16/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	172	172	27.3	199.3	1220
SR - 20 @ 5'	5'	3/16/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	82.9	82.9	15.6	98.5	1460
SR - 21 @ 5'	5'	3/16/2022	Composite	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	123	123	25.2	148.2	1180



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

MEWBOURNE OIL COMPANY
PADUCA 7-6 W1ED 2H
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAPP2124627967

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					SM4500CI-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	1,000	NE	2,500	20,000
SR - 22 @ 5'	5'	3/16/2022	Composite	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	396	396	65.2	461.2	1040
SR - 23 @ 5'	5'	3/16/2022	Composite	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	30.8	30.8	11.4	42.2	272
SR - 24 @ 5'	5'	3/16/2022	Composite	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	263	263	43.1	306.1	1020
SR - 25 @ 4'	4'	3/23/2022	Composite	In-Situ	<0.050	0.094	0.130			2.71	2.93	125	1240	1365	116	1,481	2000
SR - 25 @ 5'	5'	3/25/2022	Composite	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	110	110	24.1	134.1	464
SR - 26 @ 4'	4'	3/23/2022	Composite	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	87.5	87.5	15.4	103	3600
SR - 27 @ 4'	4'	3/22/2022	Composite	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	47.6	47.6	14.0	62	4000
SR - 28 @ 5'	5'	3/22/2022	Composite	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3600
SR - 29 @ 5'	5'	3/22/2022	Composite	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
SR - 30 @ 5'	5'	3/22/2022	Composite	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	11.6	11.6	<10.0	11.6	224
SR - 31 @ 5'	5'	3/22/2022	Composite	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	157	157	26.1	183	1090
SR - 32 @ 5'	5'	3/22/2022	Composite	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	88.3	88.3	21.6	110	480
Remediation Walls																	
CW - 1 S @ 2'	2'	3/18/2022	Composite	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SRW - 2 N @ 3'	3'	3/22/2022	Composite	In-Situ	<0.050	0.069	<0.050			<0.150	<0.300	<10.0	20.4	20.4	<10.0	20.4	320
CW - 3 S @ 3'	3'	3/18/2022	Composite	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	38.6	38.6	<10.0	38.6	320
CW - 4 S @ 3'	3'	3/18/2022	Composite	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SRW - 4 S @ 3'	3'	3/16/2022	Composite	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SRW - 5 N @ 3'	3'	3/16/2022	Composite	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SRW - 6 N @ 3'	3'	4/26/2022	Composite	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
Deferral																	
DF - 1 VERTICAL @ 1'	1'	3/18/2022	Grab	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	14.8	14.8	<10.0	<10.0	1310
DF - 1 VERTICAL @ 2'	2'	3/18/2022	Grab	In-Situ	<0.050	<0.050	<0.050			0.408	0.408	<10.0	299	299	38.9	338	1550
DF - 1 VERTICAL @ 3'	3'	3/18/2022	Grab	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	11.2	11.2	<10.0	11.2	1180
DF - 1 VERTICAL @ 4'	4'	3/18/2022	Grab	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	704
DF - 1 VERTICAL @ 5'	5'	3/18/2022	Grab	In-Situ	<0.050	<0.050	<0.050			0.494	0.494	<10.0	511	511	109	620	2360
DF - 2 VERTICAL @ 1	1'	3/18/2022	Grab	In-Situ	<0.200	7.82	4.01			67.9	79.7	1850	7130	8,980	790	9,770	4320
DF - 2 VERTICAL @ 2	2'	3/18/2022	Grab	In-Situ	<0.500	7.89	4.21			69.8	81.9	1970	6920	8,890	757	9,647	5520
DF - 2 VERTICAL @ 3	3'	3/18/2022	Grab	In-Situ	<0.200	9.1	4.97			71.8	85.9	2400	8380	10,780	923	11,703	7600
DF - 2 VERTICAL @ 4	4'	3/18/2022	Grab	In-Situ	<0.500	10.5	4.77			83.1	98.4	2230	7600	9,830	826	10,656	8130
DF - 2 VERTICAL @ 5	5'	3/18/2022	Grab	In-Situ	<0.050	0.806	0.353			6.97	8.13	87.4	2950	3,037	616	3,653	12000
DF - 3 VERTICAL @ 1	1'	3/18/2022	Grab	In-Situ	<0.200	6.31	3.34			56.4	66	2080	9300	11,380	1000	12,380	6260
DF - 3 VERTICAL @ 2	2'	3/18/2022	Grab	In-Situ	<0.200	12.5	5.48			79.2	97.1	2050	6660	8,710	690	9,400	10800
DF - 3 VERTICAL @ 3	3'	3/18/2022	Grab	In-Situ	<0.200	0.598	0.62			12.5	13.7	808	4100	4,908	400	5,308	7730
DF - 3 VERTICAL @ 4	4'	3/18/2022	Grab	In-Situ	<0.050	0.084	0.113			2.16	2.36	94.4	857	951	102	1,053	2640
DF - 3 VERTICAL @ 5	5'	3/18/2022	Grab	In-Situ	<0.050	0.178	0.171			3.96	4.3	187	2450	2,637	343	2,980	7600
DF - 4 VERTICAL @ 1	1'	3/18/2022	Grab	In-Situ	<0.200	5.95	3.49			56.3	65.7	1810	4780	6,590	524	7,114	13900
DF - 4 VERTICAL @ 2	2'	3/18/2022	Grab	In-Situ	<0.050	0.747	0.743			12.4	13.9	671	2710	3,381	311	3,692	9600
DF - 4 VERTICAL @ 3	3'	3/18/2022	Grab	In-Situ	0.086	2.85	0.672			12.4	16	366	18900	19,266	2830	22,096	19400
DF - 4 VERTICAL @ 4	4'	3/18/2022	Grab	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	106	106	11.4	117	640
DF - 4 VERTICAL @ 5	5'	3/18/2022	Grab	In-Situ	<0.050	<0.050	<0.050			<0.150	<0.300	<10.0	88.9	88.9	16.6	106	4480
DF - 5 VERTICAL @ 1	1'	3/18/2022	Grab	In-Situ	<0.200	11.7	4.52			90.5	107	3560	6840	10,400	694	11,094	5840
DF - 5 VERTICAL @ 2	2'	3/18/2022	Grab	In-Situ	<0.050	<0.050	<0.050			0.245	<0.300	12.7	293	306	56	362	1040
DF - 5 VERTICAL @ 3	3'	3/18/2022	Grab	In-Situ	<0.200	6.64	2.89			67.3	76.9	2870	6360	9,230	632	9,862	6240
DF - 5 VERTICAL @ 4	4'	3/18/2022	Grab	In-Situ	<0.050	<0.050	<0.050			0.272	<0.300	13	265	278	68.4	346	560
DF - 5 VERTICAL @ 5	5'	3/18/2022	Grab	In-Situ	<0.200	2.85	1.1			19.1	23.1	507	5550	6,057	1010	7,067	3080

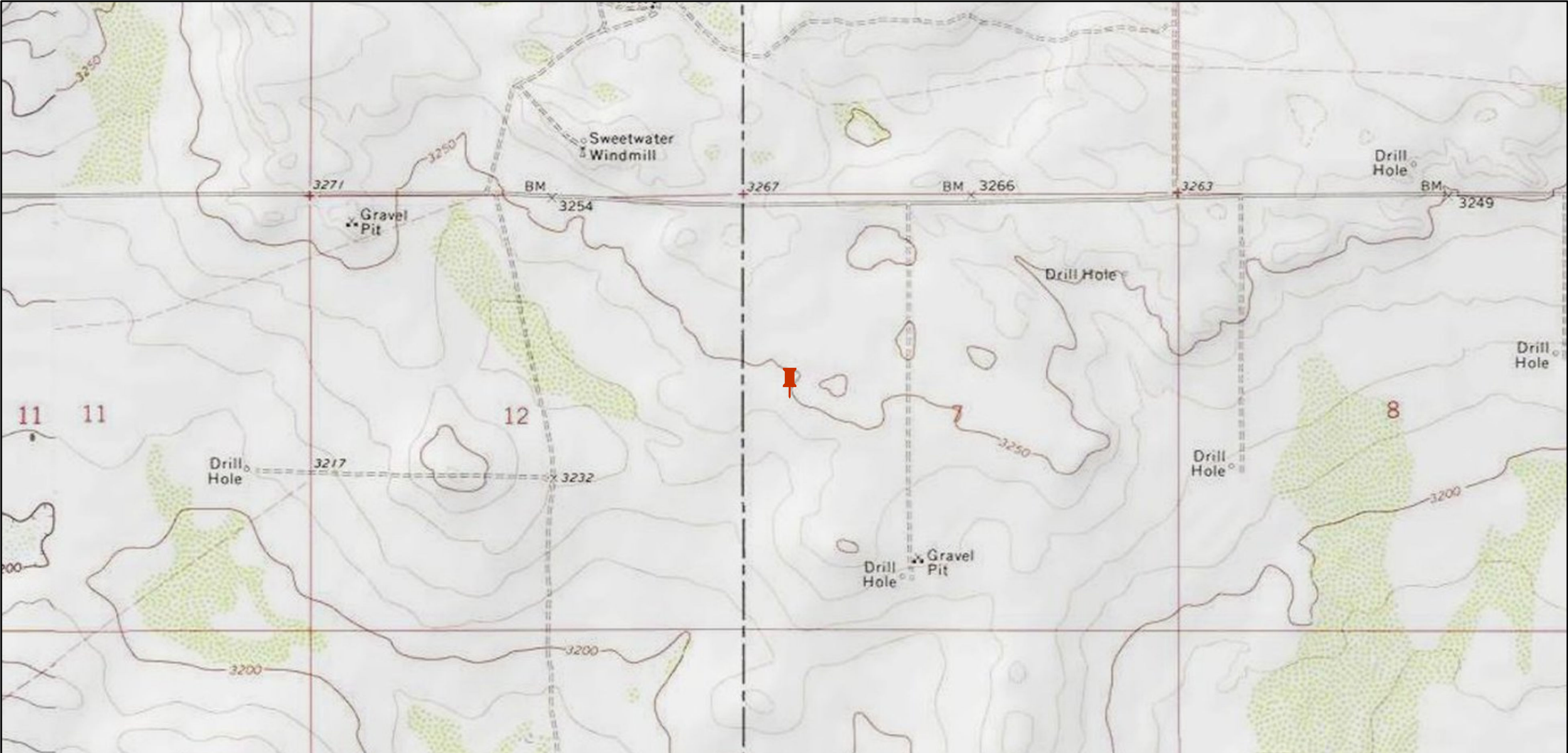
TABLE 1
CONCENTRATIONS OF BENZENE, BTEX, TPH & CHLORIDE IN SOIL




MEWBOURNE OIL COMPANY
 PADUCA 7-6 W1ED 2H
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE #: NAPP2124627967





SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B						EPA SW-846 Method 8015M					SM4500CI-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	1,000	NE	2,500	20,000

Concentrations in **BOLD** exceed the NMOCD Closure Limit



<p>Legend:</p> <p> Site Location</p>	<p>Figure 1 Site Location Map Paduca 7/6 W1ED Fed Com #2H Battery Mewbourne Oil Co. Lea County, New Mexico EMNRD Incident ID: NAPP2124627967</p>	<p>0 0.13 0.25 0.5 0.75 1 Miles</p> <p></p> <p></p>
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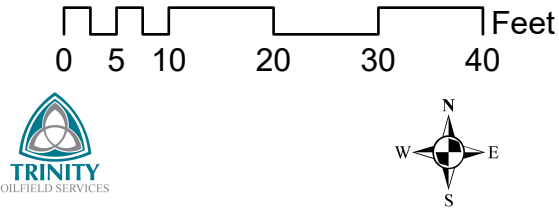
<p>Legend:</p> <ul style="list-style-type: none">● Delineation■ Initial Release	<p align="center">Figure 2 Delineation Map Paduca 7/6 W1ED Fed Com #2H Battery Mewbourne Oil Co. Lea County, New Mexico EMNRD Incident ID: NAPP2124627967</p>	<p align="center">0 5 10 20 30 40 Feet</p> <p align="center"> </p>
---	---	--



Legend:

- | | |
|--------------------|---------------|
| Remediation Floors | Deferral Area |
| Remediation Walls | Excavation |
| Deferral Sample | |

Figure 3
Remediation Map
Paduca 7/6 W1ED Fed Com #2H Battery
Mewbourne Oil Co.
Lea County, New Mexico
EMNRD Incident ID: NAPP2124627967



Karst Potential Map

NAPP2124627967

PADUCA 7/6 W1ED FED COM#2H BATTERY

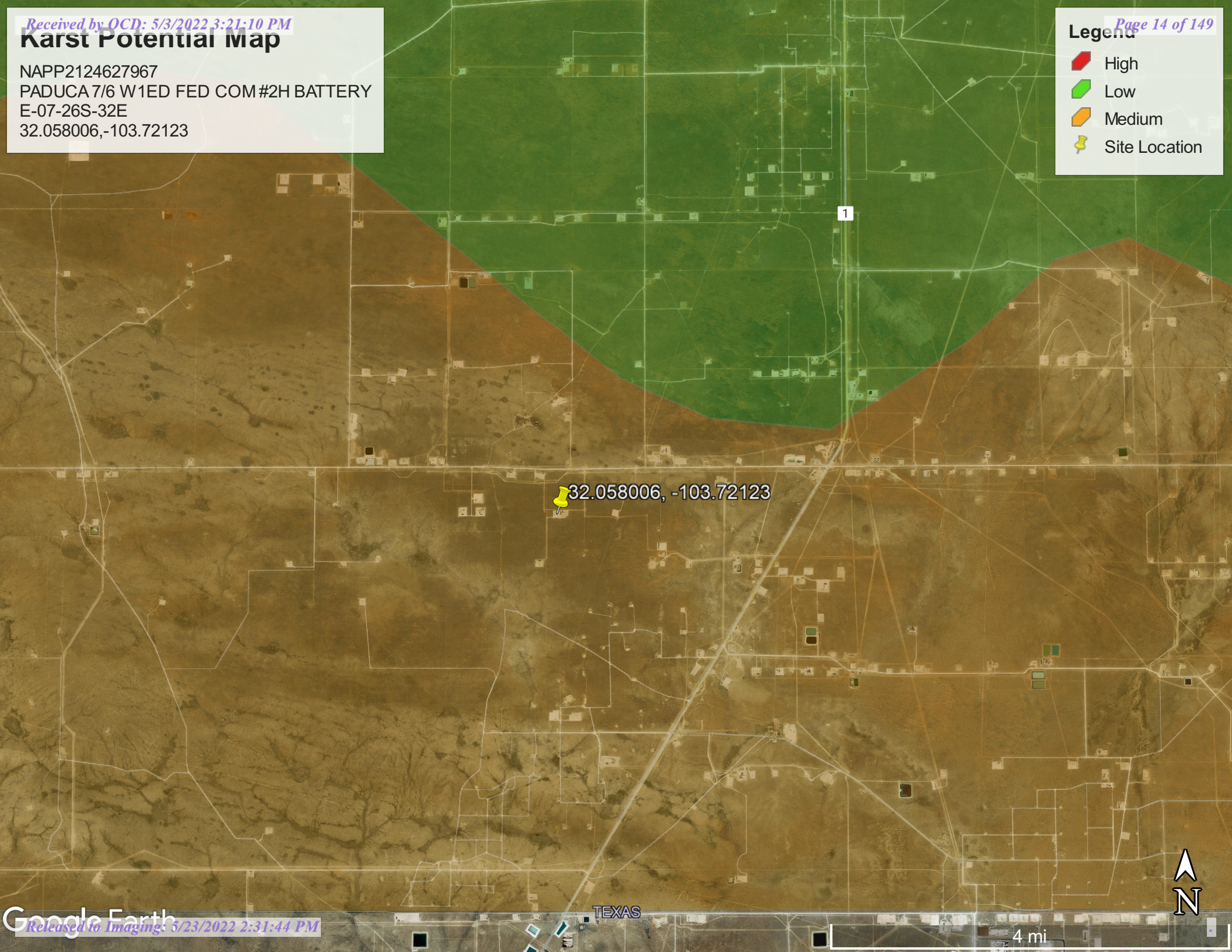
E-07-26S-32E

32.058006,-103.72123

Page 14 of 149

Legend

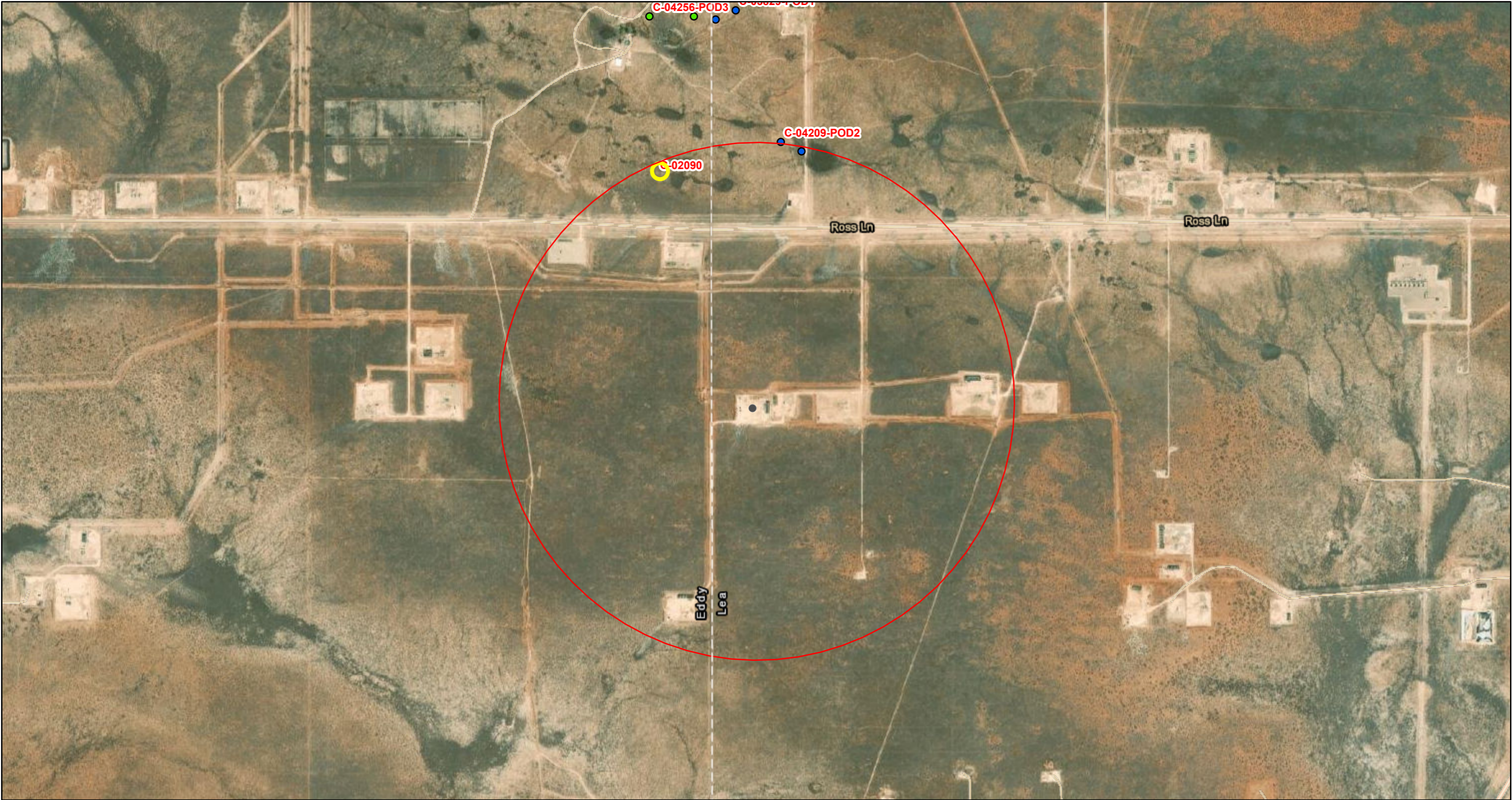
- High
- Low
- Medium
- Site Location



32.058006, -103.72123



NAPP2124627967 | PADUCA 7/6 W1ED FED COM #2H BATTERY

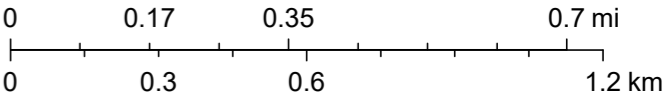


4/13/2022, 8:16:15 AM

GIS WATERS PODs

- Active
- Pending
- OSE District Boundary

1:18,056



Source: Esri, Maxar, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community, Esri, HERE, Garmin, (c) OpenStreetMap contributors, Esri, HERE, Garmin, (c) OpenStreetMap contributors, and the GIS user community



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 02090	C	ED		4	4	01	26S	31E		620329	3548533*	1023	350	335	15
C 04209 POD1	CUB	LE		2	3	3	06	26S	32E	620903	3548619	1055	360	155	205
C 04209 POD2	C	LE		2	3	3	06	26S	32E	620818	3548657	1080	340	155	185

Average Depth to Water: **215 feet**

Minimum Depth: **155 feet**

Maximum Depth: **335 feet**

Record Count: 3

UTMNAD83 Radius Search (in meters):

Easting (X): 620709.12

Northing (Y): 3547582.68

Radius: 1100

*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.

3/1/22 8:22 AM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER



WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

www.ose.state.nm.us

STATE ENGINEER OFFICE
ROSWELL, NEW MEXICO

2018 MAY 21 AM 10:46

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) C-4209-POD1		WELL TAG ID NO.		OSE FILE NO(S).			
	WELL OWNER NAME(S) Baker Ranch				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS P.O. Box 24				CITY Silver City	STATE NM	ZIP 88062	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE 32	MINUTES 04	SECONDS 02.5 N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND			
	LONGITUDE 103	43	08.8 W	* DATUM REQUIRED: WGS 84				
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. WD1706		NAME OF LICENSED DRILLER Bryce Wallace			NAME OF WELL DRILLING COMPANY Elite Drillers Corporation		
	DRILLING STARTED 4/28/18	DRILLING ENDED 5/1/18	DEPTH OF COMPLETED WELL (FT) 360	BORE HOLE DEPTH (FT) 360	DEPTH WATER FIRST ENCOUNTERED (FT) 155			
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input type="checkbox"/> DRY HOLE <input checked="" type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) 155			
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	+2	200	11	PVC	Spline	6	SDR 21	
	200	360	11	PVC	Spline	6	SDR 21	.032
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	25	11	Portland I/II	25	Slurry/Pour		
	25	360	11	8/16 Silica Sand	145	Pour		

FOR OSE INTERNAL USE

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

FILE NO.	C-4209	POD NO.	1	TRN NO.	621334
LOCATION	205.32E.6.33.2	EXPL	WELL TAG ID NO.	NIA	PAGE 1 OF 2

STATION
FOSHEE
OFFICE
MEXICO

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

Released to Imaging: 5/23/2022 2:31:44 PM

National Flood Hazard Layer FIRMette



103°43'35"W 32°3'44"N



Legend

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

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



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

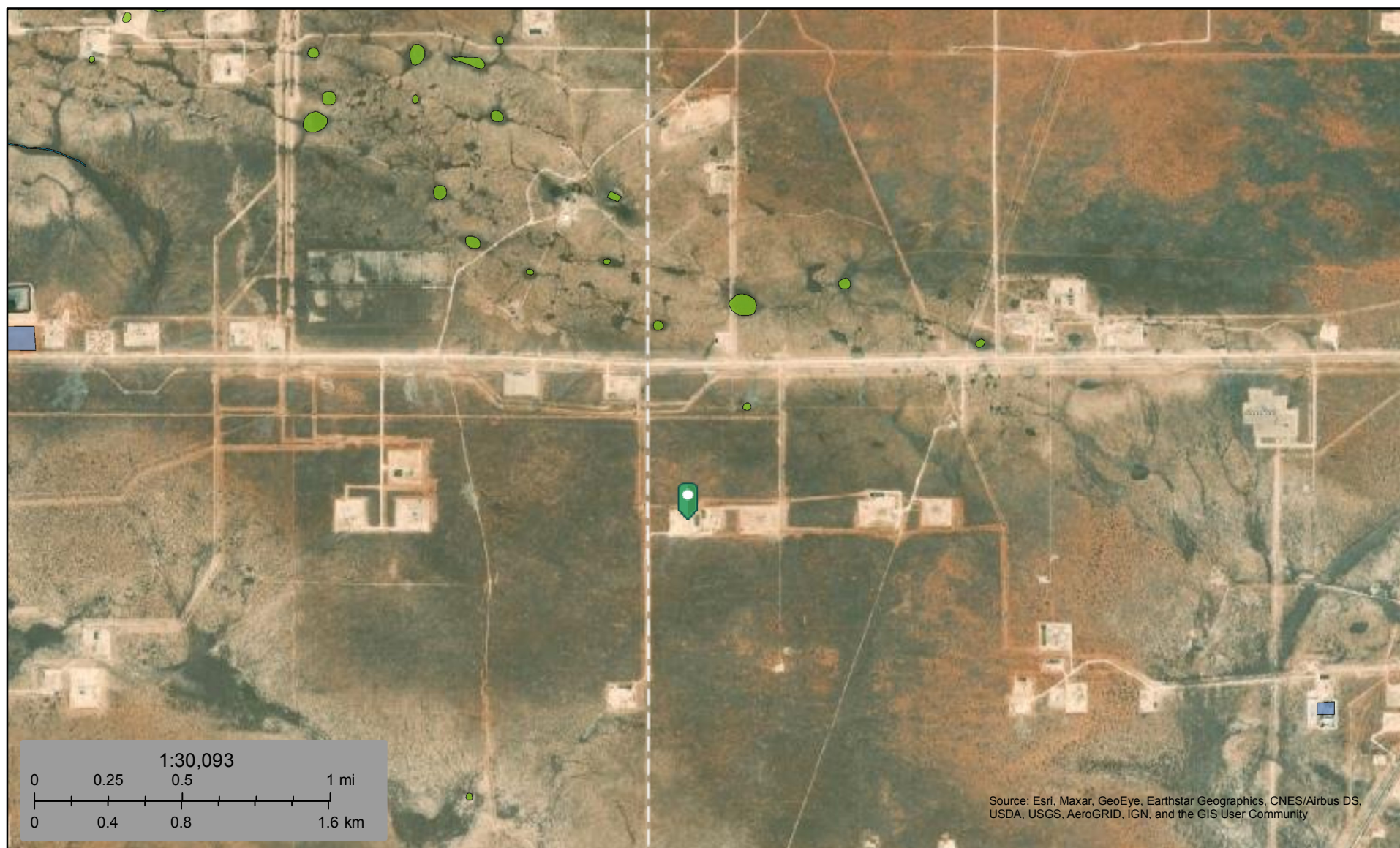
This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 4/13/2022 at 10:25 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.



NAPP2124627967 | PADUCA 7/6 W1ED F



April 13, 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.

Soil Map—Lea County, New Mexico
(NAPP2124627967 PADUCA 7/6 W1ED FED COM #2H BATTERY)



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

5/2/2022
Page 1 of 3

Soil Map—Lea County, New Mexico
(NAPP2124627967 PADUCA 7/6 W1ED FED COM #2H BATTERY)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

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

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

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

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

Soil Survey Area: Lea County, New Mexico
Survey Area Data: Version 18, Sep 10, 2021

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

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

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
TF	Tonuco loamy fine sand, 0 to 3 percent slopes	3.3	100.0%
Totals for Area of Interest		3.3	100.0%



NAPP2124627967 | PADUCA 7/6 W1ED FED COM #2H BATTERY
Delineation GPS Location

Sample	Latitude	Longitude
SP-1	32.05836842	-103.720617
SP-1 N	32.05848322	-103.7206061
SP-1 S	32.05829745	-103.7204936
SP-1 E	32.0583619	-103.720488
SP-1 NE	32.05847005	-103.7204968
SP-2	32.05835957	-103.7207856
SP-2 N	32.05848984	-103.7207712
SP-2 S	32.05826382	-103.7207613
SP-3	32.05833353	-103.7209687
SP-3 S	32.05825822	-103.7209961
SP-3 W	32.0583376	-103.7211107
SP-3 N	32.05845341	-103.7209828



Confirmation Sample Notification - NAPP2124627967 PADUCA 7/6 W1ED FED COM #2H BATTERY

1 message

Dan Dunkelberg <dan@trinityoilfieldservices.com>

Tue, Mar 1, 2022 at 3:09 PM

To: OCD.Enviro@state.nm.us

Cc: Josh Halcomb <josh@trinityoilfieldservices.com>, Fieldtech 1 <fieldtech1@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 Friday, March 4, 2022 at 8:00 a.m.

Dan Dunkelberg
Environmental Professional



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



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

November 17, 2021

JOHN FARRELL

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: PADUCA S17

Enclosed are the results of analyses for samples received by the laboratory on 11/15/21 16:25.

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

Received: 11/15/2021
 Reported: 11/17/2021
 Project Name: PADUCA S17
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 11/12/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 1 VERTICAL @ 4' (H213253-01)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2021	ND	2.02	101	2.00	4.32	
Toluene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	4.20	
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.3	2.00	4.15	
Total Xylenes*	<0.150	0.150	11/16/2021	ND	5.85	97.5	6.00	3.64	
Total BTEX	<0.300	0.300	11/16/2021	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 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	1410	16.0	11/16/2021	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	11/16/2021	ND	198	99.0	200	1.07	
DRO >C10-C28*	619	10.0	11/16/2021	ND	204	102	200	4.20	
EXT DRO >C28-C36	152	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 103 % 44.3-133

Surrogate: 1-Chlorooctadecane 112 % 38.9-142

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

Received: 11/15/2021
 Reported: 11/17/2021
 Project Name: PADUCA S17
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 11/12/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 1 VERTICAL @ 10' (H213253-02)

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	11/16/2021	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/15/2021
 Reported: 11/17/2021
 Project Name: PADUCA S17
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 11/12/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 2 VERTICAL @ 4' (H213253-03)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2021	ND	2.02	101	2.00	4.32	
Toluene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	4.20	
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.3	2.00	4.15	
Total Xylenes*	1.50	0.150	11/16/2021	ND	5.85	97.5	6.00	3.64	GC-NC1
Total BTEX	1.50	0.300	11/16/2021	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 136 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1020	16.0	11/16/2021	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*	102	10.0	11/16/2021	ND	198	99.0	200	1.07	
DRO >C10-C28*	2090	10.0	11/16/2021	ND	204	102	200	4.20	
EXT DRO >C28-C36	319	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 117 % 44.3-133

Surrogate: 1-Chlorooctadecane 101 % 38.9-142

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	11/15/2021	Sampling Date:	11/12/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	PADUCA S17	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE -LEA CO NM		

Sample ID: SD - 2 VERTICAL @ 10' (H213253-04)

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	11/16/2021	ND	416	104	400	3.92		

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Analytical Results For:

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

Received: 11/15/2021
 Reported: 11/17/2021
 Project Name: PADUCA S17
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 11/12/2021
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SD - 3 VERTICAL @ 4' (H213253-05)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/16/2021	ND	2.02	101	2.00	4.32	
Toluene*	<0.050	0.050	11/16/2021	ND	1.93	96.5	2.00	4.20	GC-NC
Ethylbenzene*	<0.050	0.050	11/16/2021	ND	1.91	95.3	2.00	4.15	
Total Xylenes*	2.75	0.150	11/16/2021	ND	5.85	97.5	6.00	3.64	GC-NC1
Total BTEX	2.75	0.300	11/16/2021	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 168 % 69.9-140

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	11/16/2021	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	205	10.0	11/16/2021	ND	198	99.0	200	1.07	
DRO >C10-C28*	3020	10.0	11/16/2021	ND	204	102	200	4.20	
EXT DRO >C28-C36	446	10.0	11/16/2021	ND					

Surrogate: 1-Chlorooctane 140 % 44.3-133

Surrogate: 1-Chlorooctadecane 178 % 38.9-142

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

Received:	11/15/2021	Sampling Date:	11/12/2021
Reported:	11/17/2021	Sampling Type:	Soil
Project Name:	PADUCA S17	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE -LEA CO NM		

Sample ID: SD - 3 VERTICAL @ 10' (H213253-06)

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	11/16/2021	ND	416	104	400	3.92	

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

[illegible]



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

February 03, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: PADUCA 7/6

Enclosed are the results of analyses for samples received by the laboratory on 01/28/22 16:55.

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:	01/28/2022	Sampling Date:	01/20/2022
Reported:	02/03/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE -LEA CO NM		

Sample ID: SD - 1 N @ 2' (H220348-01)

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	01/31/2022	ND	2.04	102	2.00	6.84	
Toluene*	<0.050	0.050	01/31/2022	ND	1.98	98.9	2.00	6.28	
Ethylbenzene*	<0.050	0.050	01/31/2022	ND	1.95	97.3	2.00	6.39	
Total Xylenes*	<0.150	0.150	01/31/2022	ND	5.89	98.2	6.00	5.74	
Total BTX	<0.300	0.300	01/31/2022	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	128	16.0	02/01/2022	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	01/31/2022	ND	196	97.8	200	4.42	
DRO >C10-C28*	11.1	10.0	01/31/2022	ND	200	99.8	200	3.42	
EXT DRO >C28-C36	<10.0	10.0	01/31/2022	ND					

Surrogate: 1-Chlorooctane 97.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 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: 01/28/2022
 Reported: 02/03/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 01/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SD - 1 S @ 2' (H220348-02)

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	01/31/2022	ND	2.04	102	2.00	6.84		
Toluene*	<0.050	0.050	01/31/2022	ND	1.98	98.9	2.00	6.28		
Ethylbenzene*	<0.050	0.050	01/31/2022	ND	1.95	97.3	2.00	6.39		
Total Xylenes*	<0.150	0.150	01/31/2022	ND	5.89	98.2	6.00	5.74		
Total BTEx	<0.300	0.300	01/31/2022	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	640	16.0	02/01/2022	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	01/31/2022	ND	196	97.8	200	4.42	
DRO >C10-C28*	<10.0	10.0	01/31/2022	ND	200	99.8	200	3.42	
EXT DRO >C28-C36	<10.0	10.0	01/31/2022	ND					

Surrogate: 1-Chlorooctane 98.3 % 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: 01/28/2022
 Reported: 02/03/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 01/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SD - 1 E @ 2' (H220348-03)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/31/2022	ND	2.04	102	2.00	6.84	
Toluene*	<0.050	0.050	01/31/2022	ND	1.98	98.9	2.00	6.28	
Ethylbenzene*	<0.050	0.050	01/31/2022	ND	1.95	97.3	2.00	6.39	
Total Xylenes*	<0.150	0.150	01/31/2022	ND	5.89	98.2	6.00	5.74	
Total BTEX	<0.300	0.300	01/31/2022	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	64.0	16.0	02/01/2022	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	02/01/2022	ND	191	95.3	200	0.0614	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	235	118	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 98.0 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.6 % 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: 01/28/2022
 Reported: 02/03/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 01/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SD - 1 NE @ 2' (H220348-04)

BTEx 8021B		mg/kg		Analyzed By: MS/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	02/01/2022	ND	1.98	99.0	2.00	8.49		
Toluene*	<0.050	0.050	02/01/2022	ND	1.92	95.9	2.00	7.76		
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.89	94.3	2.00	8.45		
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.69	94.9	6.00	8.73		
Total BTEx	<0.300	0.300	02/01/2022	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	112	16.0	02/01/2022	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	02/01/2022	ND	191	95.3	200	0.0614	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	235	118	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 102 % 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: 01/28/2022
 Reported: 02/03/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 01/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SD - 1 @ 6' (H220348-05)

BTEx 8021B		mg/kg	Analyzed By: MS/					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2022	ND	1.98	99.0	2.00	8.49	
Toluene*	0.292	0.050	02/01/2022	ND	1.92	95.9	2.00	7.76	
Ethylbenzene*	0.314	0.050	02/01/2022	ND	1.89	94.3	2.00	8.45	
Total Xylenes*	5.35	0.150	02/01/2022	ND	5.69	94.9	6.00	8.73	
Total BTEX	5.96	0.300	02/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 173 % 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	976	16.0	02/01/2022	ND	416	104	400	3.92	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	127	10.0	02/01/2022	ND	191	95.3	200	0.0614	
DRO >C10-C28*	1360	10.0	02/01/2022	ND	235	118	200	1.99	
EXT DRO >C28-C36	185	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 123 % 66.9-136

Surrogate: 1-Chlorooctadecane 144 % 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: 01/28/2022
 Reported: 02/03/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 01/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SD - 1 @ 8' (H220348-06)

BTEx 8021B		mg/kg		Analyzed By: MS/				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2022	ND	1.98	99.0	2.00	8.49	
Toluene*	1.99	0.050	02/01/2022	ND	1.92	95.9	2.00	7.76	
Ethylbenzene*	0.765	0.050	02/01/2022	ND	1.89	94.3	2.00	8.45	
Total Xylenes*	14.9	0.150	02/01/2022	ND	5.69	94.9	6.00	8.73	
Total BTEX	17.7	0.300	02/01/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 239 % 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	1410	16.0	02/01/2022	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*	294	10.0	02/01/2022	ND	191	95.3	200	0.0614	
DRO >C10-C28*	1960	10.0	02/01/2022	ND	235	118	200	1.99	
EXT DRO >C28-C36	263	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 135 % 66.9-136

Surrogate: 1-Chlorooctadecane 127 % 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: 01/28/2022
 Reported: 02/03/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 01/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SD - 2 N @ 2' (H220348-07)

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	02/01/2022	ND	1.98	99.0	2.00	8.49	
Toluene*	<0.050	0.050	02/01/2022	ND	1.92	95.9	2.00	7.76	
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.89	94.3	2.00	8.45	
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.69	94.9	6.00	8.73	
Total BTEx	<0.300	0.300	02/01/2022	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	32.0	16.0	02/01/2022	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	02/01/2022	ND	191	95.3	200	0.0614	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	235	118	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 103 % 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: 01/28/2022
 Reported: 02/03/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 01/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SD - 2 S @ 2' (H220348-08)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2022	ND	1.98	99.0	2.00	8.49	
Toluene*	<0.050	0.050	02/01/2022	ND	1.92	95.9	2.00	7.76	
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.89	94.3	2.00	8.45	
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.69	94.9	6.00	8.73	
Total BTEx	<0.300	0.300	02/01/2022	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	448	16.0	02/01/2022	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	02/01/2022	ND	191	95.3	200	0.0614	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	235	118	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 96.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.1 % 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: 01/28/2022
 Reported: 02/03/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 01/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SD - 2 @ 6' (H220348-09)

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	02/01/2022	ND	1.95	97.3	2.00	10.6		
Toluene*	<0.050	0.050	02/01/2022	ND	1.87	93.3	2.00	11.9		
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.85	92.7	2.00	11.0		
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.60	93.3	6.00	11.2		
Total BTX	<0.300	0.300	02/01/2022	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	960	16.0	02/01/2022	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	02/01/2022	ND	191	95.3	200	0.0614		
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	235	118	200	1.99		
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND						

Surrogate: 1-Chlorooctane 102 % 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: 01/28/2022
 Reported: 02/03/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 01/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SD - 2 @ 8' (H220348-10)

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	02/01/2022	ND	1.95	97.3	2.00	10.6		
Toluene*	<0.050	0.050	02/01/2022	ND	1.87	93.3	2.00	11.9		
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.85	92.7	2.00	11.0		
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.60	93.3	6.00	11.2		
Total BTEx	<0.300	0.300	02/01/2022	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	384	16.0	02/01/2022	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	02/01/2022	ND	191	95.3	200	0.0614	
DRO >C10-C28*	225	10.0	02/01/2022	ND	235	118	200	1.99	
EXT DRO >C28-C36	28.3	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 97.5 % 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: 01/28/2022
 Reported: 02/03/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 01/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SD - 3 N @ 2' (H220348-11)

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	02/01/2022	ND	1.95	97.3	2.00	10.6		
Toluene*	<0.050	0.050	02/01/2022	ND	1.87	93.3	2.00	11.9		
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.85	92.7	2.00	11.0		
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.60	93.3	6.00	11.2		
Total BTX	<0.300	0.300	02/01/2022	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	02/01/2022	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	02/01/2022	ND	191	95.3	200	0.0614	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	235	118	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 106 % 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: 01/28/2022
 Reported: 02/03/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 01/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SD - 3 S @ 2' (H220348-12)

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	02/01/2022	ND	1.95	97.3	2.00	10.6		
Toluene*	<0.050	0.050	02/01/2022	ND	1.87	93.3	2.00	11.9		
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.85	92.7	2.00	11.0		
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.60	93.3	6.00	11.2		
Total BTEx	<0.300	0.300	02/01/2022	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	400	16.0	02/01/2022	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	02/01/2022	ND	191	95.3	200	0.0614	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	235	118	200	1.99	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 103 % 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: 01/28/2022
 Reported: 02/03/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 01/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SD - 3 W @ 2' (H220348-13)

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	02/01/2022	ND	1.95	97.3	2.00	10.6	
Toluene*	<0.050	0.050	02/01/2022	ND	1.87	93.3	2.00	11.9	
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.85	92.7	2.00	11.0	
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.60	93.3	6.00	11.2	
Total BTX	<0.300	0.300	02/01/2022	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	32.0	16.0	02/01/2022	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	02/01/2022	ND	195	97.5	200	19.6	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	193	96.4	200	18.2	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 108 % 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: 01/28/2022
 Reported: 02/03/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 01/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SD - 3 @ 6' (H220348-14)

BTEx 8021B		mg/kg		Analyzed By: MS/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	02/01/2022	ND	1.95	97.3	2.00	10.6	
Toluene*	<0.050	0.050	02/01/2022	ND	1.87	93.3	2.00	11.9	
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.85	92.7	2.00	11.0	
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.60	93.3	6.00	11.2	
Total BTEx	<0.300	0.300	02/01/2022	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	1120	16.0	02/01/2022	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	02/01/2022	ND	195	97.5	200	19.6	
DRO >C10-C28*	<10.0	10.0	02/01/2022	ND	193	96.4	200	18.2	
EXT DRO >C28-C36	<10.0	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 99.3 % 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: 01/28/2022
 Reported: 02/03/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 01/20/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SD - 3 @ 8' (H220348-15)

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	02/01/2022	ND	1.95	97.3	2.00	10.6	
Toluene*	<0.050	0.050	02/01/2022	ND	1.87	93.3	2.00	11.9	
Ethylbenzene*	<0.050	0.050	02/01/2022	ND	1.85	92.7	2.00	11.0	
Total Xylenes*	<0.150	0.150	02/01/2022	ND	5.60	93.3	6.00	11.2	
Total BTEx	<0.300	0.300	02/01/2022	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	02/01/2022	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	02/01/2022	ND	195	97.5	200	19.6	
DRO >C10-C28*	123	10.0	02/01/2022	ND	193	96.4	200	18.2	
EXT DRO >C28-C36	11.6	10.0	02/01/2022	ND					

Surrogate: 1-Chlorooctane 104 % 66.9-136

Surrogate: 1-Chlorooctadecane 110 % 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.
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: Mewbourne Oil Co.										ANALYSIS REQUEST									
Address: 8426 N Dal Paso										Attn: Robbie Runnels																			
City: Hobbs										State: NM Zip: 88241																			
Phone #: 575 602 2403										Fax #:																			
Project #:										Project Owner: (see below)																			
Project Name: Paduca 7/6										City: State: Zip:																			
Project Location:										Phone #:																			
Sample Name: Kenny A										Fax #:																			
FOR LAB USE ONLY										MATRIX										PRESERV. SAMPLING									
										GROUNDWATER																			
										WASTEWATER																			
										SOIL																			
										OIL																			
										SLUDGE																			
										OTHER:																			
										ACID/BASE:																			
										ICE / COOL																			
										OTHER:																			
Lab I.D.										(G)RAB OR (C)OMP.										DATE									
Sample I.D.										# CONTAINERS										TIME									
1 SD-1 N @ 2'										G 1										1/20/2022 800									
2 SD-1 S @ 2'										G 1										1/20/2022 805									
3 SD-1 E @ 2'										G 1										1/20/2022 815									
4 SD-1 NE @ 2'										G 1										1/20/2022 815									
5 SD-1 @ 6'										G 1										1/20/2022 820									
6 SD-1 @ 8'										G 1										1/20/2022 830									
7 SD-2 N @ 2'										G 1										1/20/2022 835									
8 SD-2 S @ 2'										G 1										1/20/2022 840									
9 SD-2 @ 6'										G 1										1/20/2022 845									
10 SD-2 @ 8'										G 1										1/20/2022 845									
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Relinquished By: [Signature]										Date: 1/28/22										All Results are emailed. Please provide Email address:									
Relinquished By: [Signature]										Time: 11:55										REMARKS:									
Received By: [Signature]										Date:																			
Time:																													
Delivered By: (Circle One)										Observed Temp. °C 95										Sample Condition									
Cool Intact										Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>										CHECKED BY: (Initials)									
Sampler - UPS - Bus - Other:										Corrected Temp. °C 90										Turnaround Time:									
Thermometer ID #113										Correction Factor -0.5 °C										Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>									
Bacteria (only) Sample Condition										Cool Intact										Observed Temp. °C									
Yes <input type="checkbox"/> No <input type="checkbox"/>										Yes <input type="checkbox"/> No <input type="checkbox"/>										Corrected Temp. °C									

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

Page 19 of 19



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

March 14, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: PADUCA 7/6

Enclosed are the results of analyses for samples received by the laboratory on 03/09/22 16:24.

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:	03/09/2022	Sampling Date:	03/09/2022
Reported:	03/14/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE -LEA CO NM		

Sample ID: SR - 1 VERTICAL @ 5' (H220951-01)

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	03/12/2022	ND	1.96	98.2	2.00	6.36	
Toluene*	<0.050	0.050	03/12/2022	ND	1.97	98.3	2.00	7.24	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	1.89	94.5	2.00	7.24	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	5.88	98.0	6.00	7.39	
Total BTX	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	2160	16.0	03/12/2022	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	03/12/2022	ND	211	105	200	6.72	
DRO >C10-C28*	956	10.0	03/12/2022	ND	208	104	200	0.866	
EXT DRO >C28-C36	190	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane 94.9 % 66.9-136

Surrogate: 1-Chlorooctadecane 141 % 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: 03/09/2022
 Reported: 03/14/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SR - 2 VERTICAL @ 5' (H220951-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	4.63	
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75	
Total BTEx	<0.300	0.300	03/12/2022	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	640	16.0	03/12/2022	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	03/12/2022	ND	211	105	200	6.72	
DRO >C10-C28*	<10.0	10.0	03/12/2022	ND	208	104	200	0.866	
EXT DRO >C28-C36	<10.0	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane 97.9 % 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: 03/09/2022
 Reported: 03/14/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SR - 3 VERTICAL @ 5' (H220951-03)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	4.63	
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75	
Total BTEx	<0.300	0.300	03/12/2022	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	3080	16.0	03/12/2022	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	03/12/2022	ND	211	105	200	6.72	
DRO >C10-C28*	241	10.0	03/12/2022	ND	208	104	200	0.866	
EXT DRO >C28-C36	43.5	10.0	03/12/2022	ND					

Surrogate: 1-Chlorooctane 107 % 66.9-136

Surrogate: 1-Chlorooctadecane 139 % 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: 03/09/2022
 Reported: 03/14/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SR - 4 VERTICAL @ 5' (H220951-04)

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	03/12/2022	ND	2.02	101	2.00	4.63	
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75	
Total BTX	<0.300	0.300	03/12/2022	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	16800	16.0	03/12/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/12/2022		178	89.0	200	22.0		
DRO >C10-C28*	752	10.0	03/12/2022		199	99.7	200	6.29		
EXT DRO >C28-C36	189	10.0	03/12/2022							

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 145 % 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: 03/09/2022
 Reported: 03/14/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SR - 5 VERTICAL @ 5' (H220951-05)

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	03/12/2022	ND	2.02	101	2.00	4.63	
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75	
Total BTX	<0.300	0.300	03/12/2022	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	8000	16.0	03/12/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2022		178	89.0	200	22.0	
DRO >C10-C28*	303	10.0	03/12/2022		199	99.7	200	6.29	
EXT DRO >C28-C36	43.2	10.0	03/12/2022						

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 147 % 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: 03/09/2022
 Reported: 03/14/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SR - 6 VERTICAL @ 5' (H220951-06)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	4.63	
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75	
Total BTEx	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	1120	16.0	03/12/2022	ND	416	104	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/12/2022		178	89.0	200	22.0		
DRO >C10-C28*	713	10.0	03/12/2022		199	99.7	200	6.29		
EXT DRO >C28-C36	93.9	10.0	03/12/2022							

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 176 % 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: 03/09/2022
 Reported: 03/14/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SR - 7 VERTICAL @ 5' (H220951-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	4.63	
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75	
Total BTEx	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	4400	16.0	03/12/2022	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	03/12/2022		178	89.0	200	22.0	
DRO >C10-C28*	249	10.0	03/12/2022		199	99.7	200	6.29	
EXT DRO >C28-C36	15.0	10.0	03/12/2022						

Surrogate: 1-Chlorooctane 102 % 66.9-136

Surrogate: 1-Chlorooctadecane 132 % 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: 03/09/2022
 Reported: 03/14/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SR - 8 VERTICAL @ 5' (H220951-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	4.63	
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75	
Total BTEx	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	2600	16.0	03/12/2022	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	10.8	10.0	03/12/2022		178	89.0	200	22.0	
DRO >C10-C28*	1510	10.0	03/12/2022		199	99.7	200	6.29	
EXT DRO >C28-C36	286	10.0	03/12/2022						

Surrogate: 1-Chlorooctane 98.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 168 % 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: 03/09/2022
 Reported: 03/14/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SR - 9 VERTICAL @ 5' (H220951-09)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	4.63	
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75	
Total BTEx	<0.300	0.300	03/12/2022	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	1280	16.0	03/12/2022	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	03/12/2022		178	89.0	200	22.0	
DRO >C10-C28*	476	10.0	03/12/2022		199	99.7	200	6.29	
EXT DRO >C28-C36	51.6	10.0	03/12/2022						

Surrogate: 1-Chlorooctane 96.8 % 66.9-136

Surrogate: 1-Chlorooctadecane 142 % 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: 03/09/2022
 Reported: 03/14/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/09/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SR - 10 VERTICAL @ 5' (H220951-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2022	ND	2.02	101	2.00	4.63	
Toluene*	<0.050	0.050	03/12/2022	ND	2.10	105	2.00	6.23	
Ethylbenzene*	<0.050	0.050	03/12/2022	ND	2.03	101	2.00	7.70	
Total Xylenes*	<0.150	0.150	03/12/2022	ND	6.26	104	6.00	7.75	
Total BTEx	<0.300	0.300	03/12/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	2800	16.0	03/12/2022	ND	416	104	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2022		178	89.0	200	22.0	
DRO >C10-C28*	392	10.0	03/12/2022		199	99.7	200	6.29	
EXT DRO >C28-C36	51.0	10.0	03/12/2022						

Surrogate: 1-Chlorooctane 108 % 66.9-136

Surrogate: 1-Chlorooctadecane 157 % 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.
QR-04	The RPD for the BS/BSD was outside of historical limits.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

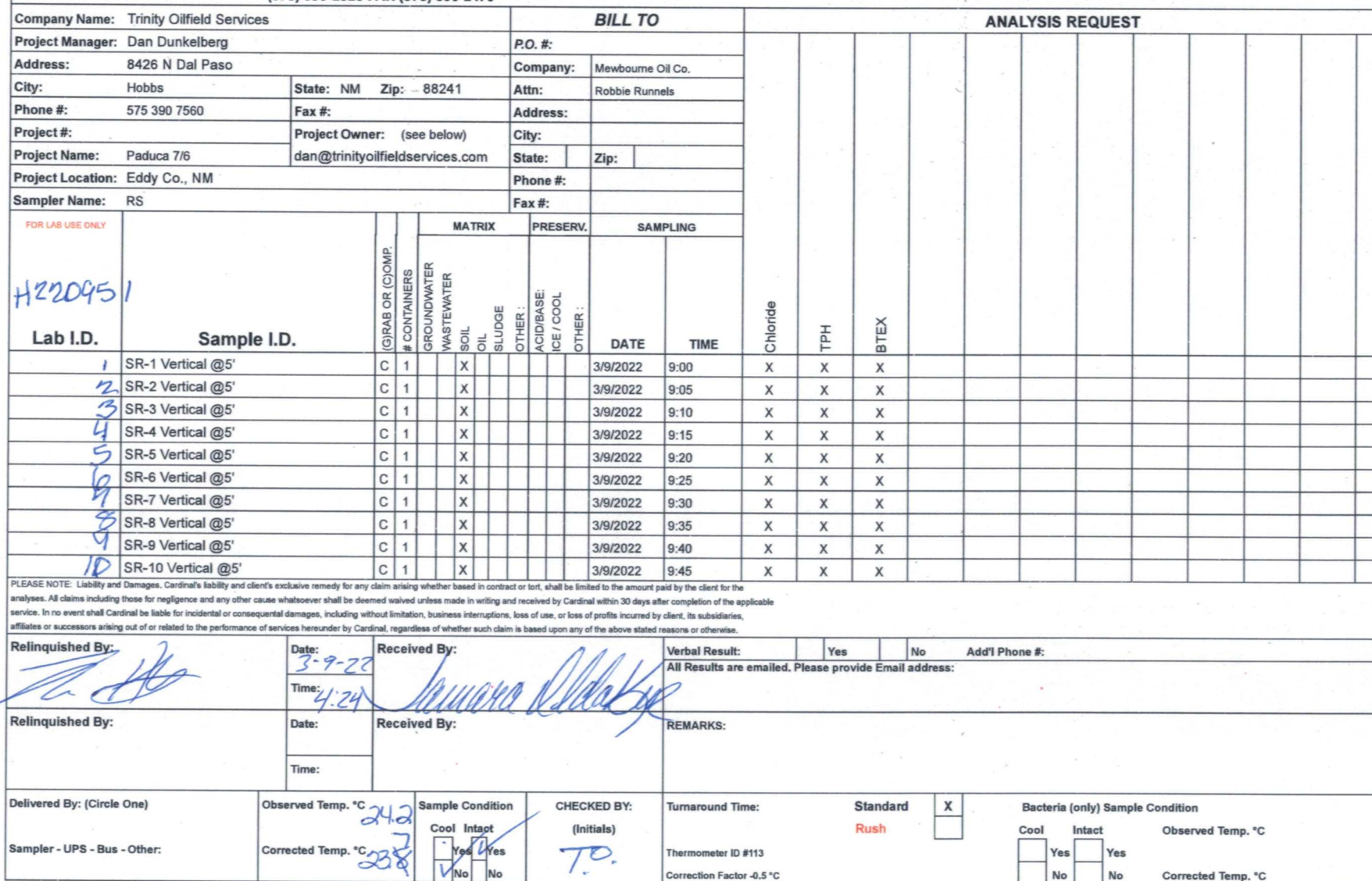
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager





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March 21, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: PADUCA 7/6

Enclosed are the results of analyses for samples received by the laboratory on 03/16/22 9:50.

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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 1 VERTICAL @ 1 (H221033-01)

BTEX 8021B			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/19/2022	ND	2.13	106	2.00	3.63	
Toluene*	<0.050	0.050	03/19/2022	ND	2.13	106	2.00	3.66	
Ethylbenzene*	<0.050	0.050	03/19/2022	ND	2.05	103	2.00	4.19	
Total Xylenes*	<0.150	0.150	03/19/2022	ND	6.36	106	6.00	4.32	
Total BTEX	<0.300	0.300	03/19/2022	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	1310	16.0	03/18/2022	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	03/18/2022	ND	217	109	200	3.30	
DRO >C10-C28*	14.8	10.0	03/18/2022	ND	180	89.9	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 95.1 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 1 VERTICAL @ 2 (H221033-02)

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	03/19/2022	ND	2.13	106	2.00	3.63	
Toluene*	<0.050	0.050	03/19/2022	ND	2.13	106	2.00	3.66	
Ethylbenzene*	<0.050	0.050	03/19/2022	ND	2.05	103	2.00	4.19	
Total Xylenes*	0.408	0.150	03/19/2022	ND	6.36	106	6.00	4.32	
Total BTEX	0.408	0.300	03/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	1550	16.0	03/18/2022	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	03/18/2022	ND	217	109	200	3.30	
DRO >C10-C28*	299	10.0	03/18/2022	ND	180	89.9	200	5.19	
EXT DRO >C28-C36	38.9	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 105 % 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:

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

Received: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 1 VERTICAL @ 3 (H221033-03)

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	03/19/2022	ND	2.13	106	2.00	3.63	
Toluene*	<0.050	0.050	03/19/2022	ND	2.13	106	2.00	3.66	
Ethylbenzene*	<0.050	0.050	03/19/2022	ND	2.05	103	2.00	4.19	
Total Xylenes*	<0.150	0.150	03/19/2022	ND	6.36	106	6.00	4.32	
Total BTX	<0.300	0.300	03/19/2022	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	1180	16.0	03/18/2022	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	03/18/2022	ND	217	109	200	3.30	
DRO >C10-C28*	11.2	10.0	03/18/2022	ND	180	89.9	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 108 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 1 VERTICAL @ 4 (H221033-04)

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	03/19/2022	ND	2.13	106	2.00	3.63		
Toluene*	<0.050	0.050	03/19/2022	ND	2.13	106	2.00	3.66		
Ethylbenzene*	<0.050	0.050	03/19/2022	ND	2.05	103	2.00	4.19		
Total Xylenes*	<0.150	0.150	03/19/2022	ND	6.36	106	6.00	4.32		
Total BTX	<0.300	0.300	03/19/2022	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	704	16.0	03/18/2022	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	03/18/2022	ND	217	109	200	3.30	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	180	89.9	200	5.19	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 102 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 1 VERTICAL @ 5 (H221033-05)

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	03/19/2022	ND	2.13	106	2.00	3.63	
Toluene*	<0.050	0.050	03/19/2022	ND	2.13	106	2.00	3.66	
Ethylbenzene*	<0.050	0.050	03/19/2022	ND	2.05	103	2.00	4.19	
Total Xylenes*	0.494	0.150	03/19/2022	ND	6.36	106	6.00	4.32	
Total BTX	0.494	0.300	03/19/2022	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	2360	16.0	03/18/2022	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	03/18/2022	ND	217	109	200	3.30	
DRO >C10-C28*	511	10.0	03/18/2022	ND	180	89.9	200	5.19	
EXT DRO >C28-C36	109	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 116 % 66.9-136

Surrogate: 1-Chlorooctadecane 140 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 2 VERTICAL @ 1 (H221033-06)

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	03/19/2022	ND	2.13	106	2.00	3.63	
Toluene*	7.82	0.200	03/19/2022	ND	2.13	106	2.00	3.66	
Ethylbenzene*	4.01	0.200	03/19/2022	ND	2.05	103	2.00	4.19	
Total Xylenes*	67.9	0.600	03/19/2022	ND	6.36	106	6.00	4.32	
Total BTEX	79.7	1.20	03/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 227 % 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	4320	16.0	03/18/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1850	10.0	03/18/2022	ND	217	109	200	3.30	
DRO >C10-C28*	7130	10.0	03/18/2022	ND	180	89.9	200	5.19	
EXT DRO >C28-C36	790	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 324 % 66.9-136

Surrogate: 1-Chlorooctadecane 269 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 2 VERTICAL @ 2 (H221033-07)

BTEx 8021B		mg/kg	Analyzed By: MS\					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	03/18/2022	ND	2.04	102	2.00	5.43	
Toluene*	7.89	0.500	03/18/2022	ND	2.03	101	2.00	5.39	QM-07
Ethylbenzene*	4.21	0.500	03/18/2022	ND	2.02	101	2.00	5.43	
Total Xylenes*	69.8	1.50	03/18/2022	ND	6.22	104	6.00	5.89	QM-07
Total BTEX	81.9	3.00	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 154 % 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	5520	16.0	03/18/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1970	10.0	03/18/2022	ND	217	109	200	3.30	
DRO >C10-C28*	6920	10.0	03/18/2022	ND	180	89.9	200	5.19	
EXT DRO >C28-C36	757	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 313 % 66.9-136

Surrogate: 1-Chlorooctadecane 249 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 2 VERTICAL @ 3 (H221033-08)

BTEx 8021B		mg/kg	Analyzed By: MS\					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	03/18/2022	ND	2.04	102	2.00	5.43	
Toluene*	9.10	0.200	03/18/2022	ND	2.03	101	2.00	5.39	
Ethylbenzene*	4.97	0.200	03/18/2022	ND	2.02	101	2.00	5.43	
Total Xylenes*	71.8	0.600	03/18/2022	ND	6.22	104	6.00	5.89	
Total BTEX	85.9	1.20	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 219 % 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	7600	16.0	03/18/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2400	10.0	03/18/2022	ND	217	109	200	3.30	
DRO >C10-C28*	8380	10.0	03/18/2022	ND	180	89.9	200	5.19	
EXT DRO >C28-C36	923	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 373 % 66.9-136

Surrogate: 1-Chlorooctadecane 299 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 2 VERTICAL @ 4 (H221033-09)

BTEx 8021B		mg/kg	Analyzed By: MS\					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	03/18/2022	ND	2.04	102	2.00	5.43	
Toluene*	10.5	0.500	03/18/2022	ND	2.03	101	2.00	5.39	
Ethylbenzene*	4.77	0.500	03/18/2022	ND	2.02	101	2.00	5.43	
Total Xylenes*	83.1	1.50	03/18/2022	ND	6.22	104	6.00	5.89	
Total BTEX	98.4	3.00	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 161 % 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	8130	16.0	03/18/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2230	10.0	03/18/2022	ND	217	109	200	3.30	
DRO >C10-C28*	7600	10.0	03/18/2022	ND	180	89.9	200	5.19	
EXT DRO >C28-C36	826	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 325 % 66.9-136

Surrogate: 1-Chlorooctadecane 267 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 2 VERTICAL @ 5 (H221033-10)

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	03/18/2022	ND	2.04	102	2.00	5.43	
Toluene*	0.806	0.050	03/18/2022	ND	2.03	101	2.00	5.39	
Ethylbenzene*	0.353	0.050	03/18/2022	ND	2.02	101	2.00	5.43	
Total Xylenes*	6.97	0.150	03/18/2022	ND	6.22	104	6.00	5.89	
Total BTEX	8.13	0.300	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	12000	16.0	03/18/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	87.4	10.0	03/18/2022	ND	217	109	200	3.30	
DRO >C10-C28*	2950	10.0	03/18/2022	ND	180	89.9	200	5.19	
EXT DRO >C28-C36	616	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 198 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 3 VERTICAL @ 1 (H221033-11)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	03/18/2022	ND	1.95	97.4	2.00	6.57	
Toluene*	6.31	0.200	03/18/2022	ND	1.95	97.3	2.00	6.95	
Ethylbenzene*	3.34	0.200	03/18/2022	ND	1.87	93.5	2.00	7.06	
Total Xylenes*	56.4	0.600	03/18/2022	ND	5.83	97.2	6.00	6.66	
Total BTEx	66.0	1.20	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 203 % 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	6260	16.0	03/18/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2080	10.0	03/18/2022	ND	217	109	200	3.30	
DRO >C10-C28*	9300	10.0	03/18/2022	ND	180	89.9	200	5.19	
EXT DRO >C28-C36	1000	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 350 % 66.9-136

Surrogate: 1-Chlorooctadecane 309 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 3 VERTICAL @ 2 (H221033-12)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	03/18/2022	ND	1.95	97.4	2.00	6.57	
Toluene*	12.5	0.200	03/18/2022	ND	1.95	97.3	2.00	6.95	
Ethylbenzene*	5.48	0.200	03/18/2022	ND	1.87	93.5	2.00	7.06	
Total Xylenes*	79.2	0.600	03/18/2022	ND	5.83	97.2	6.00	6.66	
Total BTEX	97.1	1.20	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 203 % 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	10800	16.0	03/18/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2050	10.0	03/18/2022	ND	217	109	200	3.30	
DRO >C10-C28*	6660	10.0	03/18/2022	ND	180	89.9	200	5.19	
EXT DRO >C28-C36	690	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 343 % 66.9-136

Surrogate: 1-Chlorooctadecane 442 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 3 VERTICAL @ 3 (H221033-13)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	03/18/2022	ND	1.95	97.4	2.00	6.57	
Toluene*	0.598	0.200	03/18/2022	ND	1.95	97.3	2.00	6.95	
Ethylbenzene*	0.620	0.200	03/18/2022	ND	1.87	93.5	2.00	7.06	
Total Xylenes*	12.5	0.600	03/18/2022	ND	5.83	97.2	6.00	6.66	
Total BTEX	13.7	1.20	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 152 % 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	7730	16.0	03/18/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	808	10.0	03/18/2022	ND	203	102	200	7.62	QM-07, QR-03
DRO >C10-C28*	4100	10.0	03/18/2022	ND	199	99.6	200	11.5	QM-07, QR-03
EXT DRO >C28-C36	400	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 202 % 66.9-136

Surrogate: 1-Chlorooctadecane 178 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 3 VERTICAL @ 4 (H221033-14)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2022	ND	1.95	97.4	2.00	6.57	
Toluene*	0.084	0.050	03/18/2022	ND	1.95	97.3	2.00	6.95	
Ethylbenzene*	0.113	0.050	03/18/2022	ND	1.87	93.5	2.00	7.06	
Total Xylenes*	2.16	0.150	03/18/2022	ND	5.83	97.2	6.00	6.66	
Total BTEX	2.36	0.300	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	2640	16.0	03/18/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	94.4	10.0	03/18/2022	ND	203	102	200	7.62	
DRO >C10-C28*	857	10.0	03/18/2022	ND	199	99.6	200	11.5	
EXT DRO >C28-C36	102	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 144 % 66.9-136

Surrogate: 1-Chlorooctadecane 170 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 3 VERTICAL @ 5 (H221033-15)

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2022	ND	1.95	97.4	2.00	6.57	
Toluene*	0.178	0.050	03/18/2022	ND	1.95	97.3	2.00	6.95	
Ethylbenzene*	0.171	0.050	03/18/2022	ND	1.87	93.5	2.00	7.06	
Total Xylenes*	3.96	0.150	03/18/2022	ND	5.83	97.2	6.00	6.66	
Total BTX	4.30	0.300	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 143 % 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	7600	16.0	03/18/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	187	10.0	03/18/2022	ND	203	102	200	7.62	
DRO >C10-C28*	2450	10.0	03/18/2022	ND	199	99.6	200	11.5	
EXT DRO >C28-C36	343	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 180 % 66.9-136

Surrogate: 1-Chlorooctadecane 248 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 4 VERTICAL @ 1 (H221033-16)

BTX 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	03/21/2022	ND	1.95	97.4	2.00	6.57	
Toluene*	5.95	0.200	03/21/2022	ND	1.95	97.3	2.00	6.95	
Ethylbenzene*	3.49	0.200	03/21/2022	ND	1.87	93.5	2.00	7.06	
Total Xylenes*	56.3	0.600	03/21/2022	ND	5.83	97.2	6.00	6.66	
Total BTX	65.7	1.20	03/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 195 % 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	13900	16.0	03/18/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	1810	10.0	03/18/2022	ND	203	102	200	7.62	
DRO >C10-C28*	4780	10.0	03/18/2022	ND	199	99.6	200	11.5	
EXT DRO >C28-C36	524	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 244 % 66.9-136

Surrogate: 1-Chlorooctadecane 193 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 4 VERTICAL @ 2 (H221033-17)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/18/2022	ND	1.95	97.4	2.00	6.57	
Toluene*	0.747	0.050	03/18/2022	ND	1.95	97.3	2.00	6.95	
Ethylbenzene*	0.743	0.050	03/18/2022	ND	1.87	93.5	2.00	7.06	
Total Xylenes*	12.4	0.150	03/18/2022	ND	5.83	97.2	6.00	6.66	
Total BTEX	13.9	0.300	03/18/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 277 % 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	9600	16.0	03/18/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	671	10.0	03/18/2022	ND	203	102	200	7.62	
DRO >C10-C28*	2710	10.0	03/18/2022	ND	199	99.6	200	11.5	
EXT DRO >C28-C36	311	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 189 % 66.9-136

Surrogate: 1-Chlorooctadecane 171 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 4 VERTICAL @ 3 (H221033-18)

BTEx 8021B		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.086	0.050	03/21/2022	ND	1.95	97.4	2.00	6.57	
Toluene*	2.85	0.050	03/21/2022	ND	1.95	97.3	2.00	6.95	
Ethylbenzene*	0.672	0.050	03/21/2022	ND	1.87	93.5	2.00	7.06	
Total Xylenes*	12.4	0.150	03/21/2022	ND	5.83	97.2	6.00	6.66	
Total BTEX	16.0	0.300	03/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 144 % 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	19400	16.0	03/18/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	366	100	03/21/2022	ND	203	102	200	7.62	
DRO >C10-C28*	18900	100	03/21/2022	ND	199	99.6	200	11.5	
EXT DRO >C28-C36	2830	100	03/21/2022	ND					

Surrogate: 1-Chlorooctane 188 % 66.9-136

Surrogate: 1-Chlorooctadecane 613 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 4 VERTICAL @ 4 (H221033-19)

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	03/18/2022	ND	1.95	97.4	2.00	6.57	
Toluene*	<0.050	0.050	03/18/2022	ND	1.95	97.3	2.00	6.95	
Ethylbenzene*	<0.050	0.050	03/18/2022	ND	1.87	93.5	2.00	7.06	
Total Xylenes*	<0.150	0.150	03/18/2022	ND	5.83	97.2	6.00	6.66	
Total BTX	<0.300	0.300	03/18/2022	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	640	16.0	03/18/2022	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	03/21/2022	ND	203	102	200	7.62	
DRO >C10-C28*	106	10.0	03/21/2022	ND	199	99.6	200	11.5	
EXT DRO >C28-C36	11.4	10.0	03/21/2022	ND					

Surrogate: 1-Chlorooctane 111 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 4 VERTICAL @ 5 (H221033-20)

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	03/18/2022	ND	2.14	107	2.00	0.855		
Toluene*	<0.050	0.050	03/18/2022	ND	2.14	107	2.00	1.08		
Ethylbenzene*	<0.050	0.050	03/18/2022	ND	2.17	108	2.00	2.21		
Total Xylenes*	<0.150	0.150	03/18/2022	ND	6.64	111	6.00	1.50		
Total BTEX	<0.300	0.300	03/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	4480	16.0	03/18/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2022	ND	203	102	200	7.62	
DRO >C10-C28*	88.9	10.0	03/18/2022	ND	199	99.6	200	11.5	
EXT DRO >C28-C36	16.6	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 146 % 66.9-136

Surrogate: 1-Chlorooctadecane 166 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 5 VERTICAL @ 1 (H221033-21)

BTEX 8021B	mg/kg	Analyzed By: MS\						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	03/19/2022	ND	2.19	109	2.00	1.85	QM-07, QR-03
Toluene*	11.7	0.200	03/19/2022	ND	2.17	109	2.00	1.18	QM-07, QR-03
Ethylbenzene*	4.52	0.200	03/19/2022	ND	2.17	108	2.00	1.48	QM-07, QR-03
Total Xylenes*	90.5	0.600	03/19/2022	ND	6.67	111	6.00	1.72	QM-07, QR-03
Total BTEX	107	1.20	03/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 259 % 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	5840	16.0	03/18/2022	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*	3560	10.0	03/18/2022	ND	203	102	200	7.62	
DRO >C10-C28*	6840	10.0	03/18/2022	ND	199	99.6	200	11.5	
EXT DRO >C28-C36	694	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 311 % 66.9-136

Surrogate: 1-Chlorooctadecane 209 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 5 VERTICAL @ 2 (H221033-22)

BTEx 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2022	ND	2.19	109	2.00	1.85		
Toluene*	<0.050	0.050	03/19/2022	ND	2.17	109	2.00	1.18		
Ethylbenzene*	<0.050	0.050	03/19/2022	ND	2.17	108	2.00	1.48		
Total Xylenes*	0.245	0.150	03/19/2022	ND	6.67	111	6.00	1.72		
Total BTEx	<0.300	0.300	03/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	1040	16.0	03/18/2022	ND	416	104	400	3.77		

TPH 8015M	mg/kg	Analyzed By: MS						S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12.7	10.0	03/18/2022	ND	203	102	200	7.62	
DRO >C10-C28*	293	10.0	03/18/2022	ND	199	99.6	200	11.5	
EXT DRO >C28-C36	56.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 145 % 66.9-136

Surrogate: 1-Chlorooctadecane 172 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 5 VERTICAL @ 3 (H221033-23)

BTX 8021B		mg/kg	Analyzed By: MS\					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	03/19/2022	ND	2.19	109	2.00	1.85	
Toluene*	6.64	0.200	03/19/2022	ND	2.17	109	2.00	1.18	
Ethylbenzene*	2.89	0.200	03/19/2022	ND	2.17	108	2.00	1.48	
Total Xylenes*	67.3	0.600	03/19/2022	ND	6.67	111	6.00	1.72	
Total BTX	76.9	1.20	03/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 245 % 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	6240	16.0	03/18/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg	Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	2870	10.0	03/18/2022	ND	203	102	200	7.62	
DRO >C10-C28*	6360	10.0	03/18/2022	ND	199	99.6	200	11.5	
EXT DRO >C28-C36	632	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 298 % 66.9-136

Surrogate: 1-Chlorooctadecane 216 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 5 VERTICAL @ 4 (H221033-24)

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	03/19/2022	ND	2.19	109	2.00	1.85	
Toluene*	<0.050	0.050	03/19/2022	ND	2.17	109	2.00	1.18	
Ethylbenzene*	<0.050	0.050	03/19/2022	ND	2.17	108	2.00	1.48	
Total Xylenes*	0.272	0.150	03/19/2022	ND	6.67	111	6.00	1.72	
Total BTEX	<0.300	0.300	03/19/2022	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	560	16.0	03/18/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	13.0	10.0	03/18/2022	ND	203	102	200	7.62	
DRO >C10-C28*	265	10.0	03/18/2022	ND	199	99.6	200	11.5	
EXT DRO >C28-C36	68.4	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 142 % 66.9-136

Surrogate: 1-Chlorooctadecane 169 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DF - 5 VERTICAL @ 5 (H221033-25)

BTX 8021B		mg/kg		Analyzed By: MS\					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	03/19/2022	ND	2.19	109	2.00	1.85	
Toluene*	2.85	0.200	03/19/2022	ND	2.17	109	2.00	1.18	
Ethylbenzene*	1.10	0.200	03/19/2022	ND	2.17	108	2.00	1.48	
Total Xylenes*	19.1	0.600	03/19/2022	ND	6.67	111	6.00	1.72	
Total BTX	23.1	1.20	03/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 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	3080	16.0	03/18/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	507	10.0	03/18/2022	ND	203	102	200	7.62	
DRO >C10-C28*	5550	10.0	03/18/2022	ND	199	99.6	200	11.5	
EXT DRO >C28-C36	1010	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 172 % 66.9-136

Surrogate: 1-Chlorooctadecane 221 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SR - 8 VERTICAL @ 6 (H221033-26)

BTEX 8021B		mg/kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/19/2022	ND	2.19	109	2.00	1.85		
Toluene*	<0.050	0.050	03/19/2022	ND	2.17	109	2.00	1.18		
Ethylbenzene*	<0.050	0.050	03/19/2022	ND	2.17	108	2.00	1.48		
Total Xylenes*	<0.150	0.150	03/19/2022	ND	6.67	111	6.00	1.72		
Total BTEX	<0.300	0.300	03/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	656	16.0	03/18/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2022	ND	203	102	200	7.62	
DRO >C10-C28*	41.4	10.0	03/18/2022	ND	199	99.6	200	11.5	
EXT DRO >C28-C36	36.8	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 145 % 66.9-136

Surrogate: 1-Chlorooctadecane 162 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CW - 1 S @ 2 (H221033-27)

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	03/19/2022	ND	2.19	109	2.00	1.85	
Toluene*	<0.050	0.050	03/19/2022	ND	2.17	109	2.00	1.18	
Ethylbenzene*	<0.050	0.050	03/19/2022	ND	2.17	108	2.00	1.48	
Total Xylenes*	<0.150	0.150	03/19/2022	ND	6.67	111	6.00	1.72	
Total BTEX	<0.300	0.300	03/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	03/18/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2022	ND	203	102	200	7.62	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	199	99.6	200	11.5	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 132 % 66.9-136

Surrogate: 1-Chlorooctadecane 147 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CW - 3 S @ 3 (H221033-28)

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	03/19/2022	ND	2.19	109	2.00	1.85	
Toluene*	<0.050	0.050	03/19/2022	ND	2.17	109	2.00	1.18	
Ethylbenzene*	<0.050	0.050	03/19/2022	ND	2.17	108	2.00	1.48	
Total Xylenes*	<0.150	0.150	03/19/2022	ND	6.67	111	6.00	1.72	
Total BTX	<0.300	0.300	03/19/2022	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	03/18/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2022	ND	203	102	200	7.62	
DRO >C10-C28*	38.6	10.0	03/18/2022	ND	199	99.6	200	11.5	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 135 % 66.9-136

Surrogate: 1-Chlorooctadecane 151 % 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: 03/16/2022
 Reported: 03/21/2022
 Project Name: PADUCA 7/6
 Project Number: NONE GIVEN
 Project Location: MEWBOURNE -LEA CO NM

Sampling Date: 03/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CW - 4 S @ 3 (H221033-29)

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	03/19/2022	ND	2.19	109	2.00	1.85	
Toluene*	<0.050	0.050	03/19/2022	ND	2.17	109	2.00	1.18	
Ethylbenzene*	<0.050	0.050	03/19/2022	ND	2.17	108	2.00	1.48	
Total Xylenes*	<0.150	0.150	03/19/2022	ND	6.67	111	6.00	1.72	
Total BTEX	<0.300	0.300	03/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	03/18/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2022	ND	203	102	200	7.62	
DRO >C10-C28*	<10.0	10.0	03/18/2022	ND	199	99.6	200	11.5	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 131 % 66.9-136

Surrogate: 1-Chlorooctadecane 149 % 59.5-142

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



101 East Martand, 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: Robbie Runnels					
City: Hobbs		State: NM Zip: 88241					
Phone #:		Fax #:					
Project #:		Project Owner: (see below)					
Project Name: Paduca 7/6		City:					
Project Location: Eddy Co., NM		State:		Zip:			
Sampler Name: RS		Phone #:					
Fax #:							

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX
				GROUNDWATER	WASTEWATER	SOIL	OIL							
1	DF-1 Vertical @1	G	1	X						3/14/2022	9:00	X	X	X
2	DF-1 Vertical @2	G	1	X						3/14/2022	9:05	X	X	X
3	DF-1 Vertical @3	G	1	X						3/14/2022	9:10	X	X	X
4	DF-1 Vertical @4	G	1	X						3/14/2022	9:15	X	X	X
5	DF-1 Vertical @5	G	1	X						3/14/2022	9:20	X	X	X
6	DF-2 Vertical @1	G	1	X						3/14/2022	9:25	X	X	X
7	DF-2 Vertical @2	G	1	X						3/14/2022	9:30	X	X	X
8	DF-2 Vertical @3	G	1	X						3/14/2022	9:35	X	X	X
9	DF-2 Vertical @4	G	1	X						3/14/2022	9:40	X	X	X
10	DF-2 Vertical @5	G	1	X						3/14/2022	9:45	X	X	X

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Relinquished By:	Date: 3-16-22	Received By:	Verbal Result:	Yes	No	Add'l Phone #:
	Time: 0950		All Results are emailed. Please provide Email address:			
REMARKS:						

Delivered By: (Circle One)	Observed Temp. °C: 0.7	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 0.2	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #113	<input checked="" type="checkbox"/> Rush	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No
				Correction Factor -0.5 °C		Observed Temp. °C
						Corrected Temp. °C

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



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 Rummels							
State: NM Zip: 88241		Address:							
Phone #:		City:							
Project #:		State:							
Project Name: Paduca 7/6		Zip:							
Project Location: Eddy Co., NM		Phone #:							
Sample Name: RS		Fax #:							

Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING	DATE	TIME	Chloride	TPH	BTEX						
				GROUNDWATER	WASTEWATER	SOIL	OIL													
11	DF-3 Vertical @1	G	1	X						3/14/2022	9:50	X	X	X						
12	DF-3 Vertical @2	G	1	X						3/14/2022	9:55	X	X	X						
13	DF-3 Vertical @3	G	1	X						3/14/2022	10:00	X	X	X						
14	DF-3 Vertical @4	G	1	X						3/14/2022	10:05	X	X	X						
15	DF-3 Vertical @5	G	1	X						3/14/2022	10:10	X	X	X						
16	DF-4 Vertical @1	G	1	X						3/14/2022	10:15	X	X	X						
17	DF-4 Vertical @2	G	1	X						3/14/2022	10:20	X	X	X						
18	DF-4 Vertical @3	G	1	X						3/14/2022	10:25	X	X	X						
19	DF-4 Vertical @4	G	1	X						3/14/2022	10:30	X	X	X						
20	DF-4 Vertical @5	G	1	X						3/14/2022	10:35	X	X	X						

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Relinquished By:	Date: 3-14-22	Received By:	Verbal Result:	Yes	No	Add'l Phone #:
Relinquished By:	Time: 0950	Received By:	All Results are emailed. Please provide Email address:			
REMARKS:						

Delivered By: (Circle One)	Observed Temp. °C: 0.7	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C: 0.2	Cool Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	TO.	Thermometer ID #113	<input checked="" type="checkbox"/>	Cool Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
				Correction Factor -0.5 °C		Observed Temp. °C

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Offfield 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 #:		City:					
Project #:		State:					
Project Name: Paduca 7/6		Zip:					
Project Location: Eddy Co., NM		Phone #:					
Sample Name: RS		Fax #:					

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							
21	DF-5 Vertical @1	G 1		X							3/14/2022	10:40	X	X	X
22	DF-5 Vertical @2	G 1		X							3/14/2022	10:45	X	X	X
23	DF-5 Vertical @3	G 1		X							3/14/2022	10:50	X	X	X
24	DF-5 Vertical @4	G 1		X							3/14/2022	10:55	X	X	X
25	DF-5 Vertical @5	G 1		X							3/14/2022	11:00	X	X	X
26	SR-8 Vertical @6	C 1		X							3/14/2022	14:00	X	X	X
27	CW-1 S @2	C 1		X							3/14/2022	14:05	X	X	X
28	CW-3 S @3	C 1		X							3/14/2022	14:10	X	X	X
29	CW-4 S @3	C 1		X							3/14/2022	14:15	X	X	X

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Relinquished By:	Date: 3-16-22	Received By:	Verbal Result:	Yes	No	Add'l Phone #:
Relinquished By:	Date: 3-16-22	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
UPS - Bus - Other:	0.7	Cool Intact			X	Cool Intact
	Corrected Temp. °C	No		Thermometer ID #113		Observed Temp. °C
	0.2	No		Correction Factor -0.5 °C		Corrected Temp. °C

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

March 22, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: PADUCA 7/6

Enclosed are the results of analyses for samples received by the laboratory on 03/16/22 15:45.

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". 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:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 11 VERTICAL @ 5' (H221055-01)

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	03/21/2022	ND	2.10	105	2.00	1.78	
Toluene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.73	
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.01	101	2.00	1.44	
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.19	103	6.00	0.540	
Total BTX	<0.300	0.300	03/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	3840	16.0	03/21/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/18/2022	ND	202	101	200	5.19		
DRO >C10-C28*	123	10.0	03/18/2022	ND	238	119	200	16.7		
EXT DRO >C28-C36	20.0	10.0	03/18/2022	ND						

Surrogate: 1-Chlorooctane 121 % 66.9-136

Surrogate: 1-Chlorooctadecane 159 % 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:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 12 VERTICAL @ 5' (H221055-02)

BTX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.78		
Toluene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.73		
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.01	101	2.00	1.44		
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.19	103	6.00	0.540		
Total BTX	<0.300	0.300	03/21/2022	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	624	16.0	03/21/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2022	ND	202	101	200	5.19	
DRO >C10-C28*	36.1	10.0	03/18/2022	ND	238	119	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 123 % 66.9-136

Surrogate: 1-Chlorooctadecane 157 % 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:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 13 VERTICAL @ 5' (H221055-03)

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	03/21/2022	ND	2.10	105	2.00	1.78		
Toluene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.73		
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.01	101	2.00	1.44		
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.19	103	6.00	0.540		
Total BTX	<0.300	0.300	03/21/2022	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	1410	16.0	03/21/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2022	ND	202	101	200	5.19	
DRO >C10-C28*	794	10.0	03/18/2022	ND	238	119	200	16.7	
EXT DRO >C28-C36	87.8	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 122 % 66.9-136

Surrogate: 1-Chlorooctadecane 165 % 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:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 14 VERTICAL @ 5' (H221055-04)

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	03/21/2022	ND	2.10	105	2.00	1.78	
Toluene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.73	
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.01	101	2.00	1.44	
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.19	103	6.00	0.540	
Total BTX	<0.300	0.300	03/21/2022	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	2600	16.0	03/21/2022	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	03/18/2022	ND	202	101	200	5.19	
DRO >C10-C28*	78.3	10.0	03/18/2022	ND	238	119	200	16.7	
EXT DRO >C28-C36	17.7	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 105 % 66.9-136

Surrogate: 1-Chlorooctadecane 137 % 59.5-142

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Analytical Results For:

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

Received:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 15 VERTICAL @ 5' (H221055-05)

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	03/21/2022	ND	2.10	105	2.00	1.78	
Toluene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.73	
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.01	101	2.00	1.44	
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.19	103	6.00	0.540	
Total BTX	<0.300	0.300	03/21/2022	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	2720	16.0	03/21/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2022	ND	202	101	200	5.19	
DRO >C10-C28*	54.0	10.0	03/18/2022	ND	238	119	200	16.7	
EXT DRO >C28-C36	10.4	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 118 % 66.9-136

Surrogate: 1-Chlorooctadecane 150 % 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:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 16 VERTICAL @ 5' (H221055-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.78	
Toluene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.73	
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.01	101	2.00	1.44	
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.19	103	6.00	0.540	
Total BTEx	<0.300	0.300	03/21/2022	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	1380	16.0	03/21/2022	ND	432	108	400	7.69		

TPH 8015M	mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2022	ND	202	101	200	5.19	
DRO >C10-C28*	61.9	10.0	03/18/2022	ND	238	119	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 116 % 66.9-136

Surrogate: 1-Chlorooctadecane 149 % 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:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 17 VERTICAL @ 5' (H221055-07)

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	03/21/2022	ND	2.10	105	2.00	1.78		
Toluene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.73		
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.01	101	2.00	1.44		
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.19	103	6.00	0.540		
Total BTEx	<0.300	0.300	03/21/2022	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	768	16.0	03/21/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2022	ND	202	101	200	5.19	
DRO >C10-C28*	112	10.0	03/18/2022	ND	238	119	200	16.7	
EXT DRO >C28-C36	17.6	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 161 % 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:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 18 VERTICAL @ 5' (H221055-08)

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	03/21/2022	ND	2.10	105	2.00	1.78	
Toluene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.73	
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.01	101	2.00	1.44	
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.19	103	6.00	0.540	
Total BTX	<0.300	0.300	03/21/2022	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	880	16.0	03/21/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/18/2022	ND	202	101	200	5.19	
DRO >C10-C28*	202	10.0	03/18/2022	ND	238	119	200	16.7	
EXT DRO >C28-C36	41.4	10.0	03/18/2022	ND					

Surrogate: 1-Chlorooctane 124 % 66.9-136

Surrogate: 1-Chlorooctadecane 166 % 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:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 19 VERTICAL @ 5' (H221055-09)

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	03/21/2022	ND	2.10	105	2.00	1.78	
Toluene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.73	
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.01	101	2.00	1.44	
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.19	103	6.00	0.540	
Total BTX	<0.300	0.300	03/21/2022	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	1220	16.0	03/21/2022	ND	432	108	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2022	ND	202	101	200	5.19	
DRO >C10-C28*	172	10.0	03/19/2022	ND	238	119	200	16.7	
EXT DRO >C28-C36	27.3	10.0	03/19/2022	ND					

Surrogate: 1-Chlorooctane 122 % 66.9-136

Surrogate: 1-Chlorooctadecane 160 % 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:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 20 VERTICAL @ 5' (H221055-10)

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	03/21/2022	ND	2.10	105	2.00	1.78	
Toluene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.73	
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.01	101	2.00	1.44	
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.19	103	6.00	0.540	
Total BTX	<0.300	0.300	03/21/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	1460	16.0	03/21/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/19/2022	ND	202	101	200	5.19		
DRO >C10-C28*	82.9	10.0	03/19/2022	ND	238	119	200	16.7		
EXT DRO >C28-C36	15.6	10.0	03/19/2022	ND						

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 150 % 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:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 21 VERTICAL @ 5' (H221055-11)

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	03/21/2022	ND	2.10	105	2.00	1.78	
Toluene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.73	
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.01	101	2.00	1.44	
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.19	103	6.00	0.540	
Total BTX	<0.300	0.300	03/21/2022	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	1180	16.0	03/21/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/19/2022	ND	202	101	200	5.19		
DRO >C10-C28*	123	10.0	03/19/2022	ND	238	119	200	16.7		
EXT DRO >C28-C36	25.2	10.0	03/19/2022	ND						

Surrogate: 1-Chlorooctane 120 % 66.9-136

Surrogate: 1-Chlorooctadecane 160 % 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:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 22 VERTICAL @ 5' (H221055-12)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.78	
Toluene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.73	
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.01	101	2.00	1.44	
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.19	103	6.00	0.540	
Total BTX	<0.300	0.300	03/21/2022	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	1040	16.0	03/21/2022	ND	432	108	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2022	ND	202	101	200	5.19	
DRO >C10-C28*	396	10.0	03/19/2022	ND	238	119	200	16.7	
EXT DRO >C28-C36	65.2	10.0	03/19/2022	ND					

Surrogate: 1-Chlorooctane 117 % 66.9-136

Surrogate: 1-Chlorooctadecane 162 % 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:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 23 VERTICAL @ 5' (H221055-13)

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	03/21/2022	ND	2.10	105	2.00	1.78	
Toluene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.73	
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.01	101	2.00	1.44	
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.19	103	6.00	0.540	
Total BTX	<0.300	0.300	03/21/2022	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	03/21/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2022	ND	202	101	200	5.19	
DRO >C10-C28*	30.8	10.0	03/19/2022	ND	238	119	200	16.7	
EXT DRO >C28-C36	11.4	10.0	03/19/2022	ND					

Surrogate: 1-Chlorooctane 109 % 66.9-136

Surrogate: 1-Chlorooctadecane 148 % 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:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 24 VERTICAL @ 5' (H221055-14)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.78		
Toluene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.73		
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.01	101	2.00	1.44		
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.19	103	6.00	0.540		
Total BTEx	<0.300	0.300	03/21/2022	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	1020	16.0	03/21/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2022	ND	202	101	200	5.19	
DRO >C10-C28*	263	10.0	03/19/2022	ND	238	119	200	16.7	
EXT DRO >C28-C36	43.1	10.0	03/19/2022	ND					

Surrogate: 1-Chlorooctane 114 % 66.9-136

Surrogate: 1-Chlorooctadecane 154 % 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:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SRW - 4 S @ 3' (H221055-15)

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	03/21/2022	ND	2.10	105	2.00	1.78		
Toluene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.73		
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.01	101	2.00	1.44		
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.19	103	6.00	0.540		
Total BTX	<0.300	0.300	03/21/2022	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	240	16.0	03/21/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2022	ND	202	101	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/19/2022	ND	238	119	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	03/19/2022	ND					

Surrogate: 1-Chlorooctane 119 % 66.9-136

Surrogate: 1-Chlorooctadecane 152 % 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:	03/16/2022	Sampling Date:	03/16/2022
Reported:	03/22/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SRW - 5 N @ 3' (H221055-16)

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	03/21/2022	ND	2.10	105	2.00	1.78	
Toluene*	<0.050	0.050	03/21/2022	ND	2.10	105	2.00	1.73	
Ethylbenzene*	<0.050	0.050	03/21/2022	ND	2.01	101	2.00	1.44	
Total Xylenes*	<0.150	0.150	03/21/2022	ND	6.19	103	6.00	0.540	
Total BTX	<0.300	0.300	03/21/2022	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	03/21/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/19/2022	ND	202	101	200	5.19	
DRO >C10-C28*	<10.0	10.0	03/19/2022	ND	238	119	200	16.7	
EXT DRO >C28-C36	<10.0	10.0	03/19/2022	ND					

Surrogate: 1-Chlorooctane 125 % 66.9-136

Surrogate: 1-Chlorooctadecane 156 % 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.
- 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

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: Paduca 7/6										State:				Zip:																					
Project Location: Eddy Co., NM										Phone #:																									
Sampler Name: RS										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	
1	SR-11 Vertical @ 5'	C	1			X																													
2	SR-12 Vertical @ 5'	C	1			X																													
3	SR-13 Vertical @ 5'	C	1			X																													
4	SR-14 Vertical @ 5'	C	1			X																													
5	SR-15 Vertical @ 5'	C	1			X																													
6	SR-16 Vertical @ 5'	C	1			X																													
7	SR-17 Vertical @ 5'	C	1			X																													
8	SR-18 Vertical @ 5'	C	1			X																													
9	SR-19 Vertical @ 5'	C	1			X																													
10	SR-20 Vertical @ 5'	C	1			X																													
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Relinquished By:				Date: 3-16-27		Received By:				Verbal Result:				Yes		No		Add'l Phone #:				All Results are emailed. Please provide Email address:													
Relinquished By:				Date:		Received By:				REMARKS:																									
Delivered By: (Circle One)				Observed Temp. °C 29.9		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:				Standard		X		Bacteria (only) Sample Condition																	
Sampler - UPS - Bus - Other:				Corrected Temp. °C 29.4		Cool Intact				Thermometer ID #113				Rush				Cool Intact				Yes Yes		Observed Temp. °C											
						Yes No				Correction Factor -0.5 °C								No No				No No		Corrected Temp. °C											

Released to Imaging: 5/23/2022 2:31:44 PM



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March 24, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: PADUCA 7/6

Enclosed are the results of analyses for samples received by the laboratory on 03/21/22 15:58.

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:	03/21/2022	Sampling Date:	03/21/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 25 @ 4' (H221113-01)

BTX 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.87	93.3	2.00	2.33	
Toluene*	0.094	0.050	03/23/2022	ND	1.95	97.3	2.00	2.14	
Ethylbenzene*	0.130	0.050	03/23/2022	ND	1.91	95.3	2.00	2.02	
Total Xylenes*	2.71	0.150	03/23/2022	ND	5.92	98.7	6.00	1.96	
Total BTX	2.93	0.300	03/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 154 % 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	2000	16.0	03/22/2022	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*	125	10.0	03/23/2022	ND	195	97.4	200	19.5	
DRO >C10-C28*	1240	10.0	03/23/2022	ND	205	103	200	9.20	
EXT DRO >C28-C36	116	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 105 % 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:	03/21/2022	Sampling Date:	03/21/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 26 @ 4' (H221113-02)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/23/2022	ND	1.87	93.3	2.00	2.33	
Toluene*	<0.050	0.050	03/23/2022	ND	1.95	97.3	2.00	2.14	
Ethylbenzene*	<0.050	0.050	03/23/2022	ND	1.91	95.3	2.00	2.02	
Total Xylenes*	<0.150	0.150	03/23/2022	ND	5.92	98.7	6.00	1.96	
Total BTX	<0.300	0.300	03/23/2022	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	3600	16.0	03/22/2022	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	03/24/2022	ND	195	97.4	200	19.5	
DRO >C10-C28*	87.5	10.0	03/24/2022	ND	205	103	200	9.20	
EXT DRO >C28-C36	15.4	10.0	03/24/2022	ND					

Surrogate: 1-Chlorooctane 106 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 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:	03/21/2022	Sampling Date:	03/21/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 27 @ 4' (H221113-03)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/22/2022	ND	1.83	91.5	2.00	7.81		
Toluene*	<0.050	0.050	03/22/2022	ND	1.90	94.9	2.00	7.52		
Ethylbenzene*	<0.050	0.050	03/22/2022	ND	1.83	91.6	2.00	7.95		
Total Xylenes*	<0.150	0.150	03/22/2022	ND	5.71	95.2	6.00	7.95		
Total BTEx	<0.300	0.300	03/22/2022	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	4000	16.0	03/22/2022	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	03/23/2022	ND	195	97.4	200	19.5	
DRO >C10-C28*	47.6	10.0	03/23/2022	ND	205	103	200	9.20	
EXT DRO >C28-C36	14.0	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 109 % 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:

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

Received:	03/21/2022	Sampling Date:	03/21/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 28 @ 5' (H221113-04)

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	03/22/2022	ND	1.83	91.5	2.00	7.81	
Toluene*	<0.050	0.050	03/22/2022	ND	1.90	94.9	2.00	7.52	
Ethylbenzene*	<0.050	0.050	03/22/2022	ND	1.83	91.6	2.00	7.95	
Total Xylenes*	<0.150	0.150	03/22/2022	ND	5.71	95.2	6.00	7.95	
Total BTX	<0.300	0.300	03/22/2022	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	3600	16.0	03/22/2022	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	03/23/2022	ND	195	97.4	200	19.5	
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	205	103	200	9.20	
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 93.7 % 66.9-136

Surrogate: 1-Chlorooctadecane 100 % 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:	03/21/2022	Sampling Date:	03/21/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 29 @ 5' (H221113-05)

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	03/22/2022	ND	1.83	91.5	2.00	7.81		
Toluene*	<0.050	0.050	03/22/2022	ND	1.90	94.9	2.00	7.52		
Ethylbenzene*	<0.050	0.050	03/22/2022	ND	1.83	91.6	2.00	7.95		
Total Xylenes*	<0.150	0.150	03/22/2022	ND	5.71	95.2	6.00	7.95		
Total BTX	<0.300	0.300	03/22/2022	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	384	16.0	03/22/2022	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	03/23/2022	ND	195	97.4	200	19.5		
DRO >C10-C28*	<10.0	10.0	03/23/2022	ND	205	103	200	9.20		
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND						

Surrogate: 1-Chlorooctane 115 % 66.9-136

Surrogate: 1-Chlorooctadecane 125 % 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:	03/21/2022	Sampling Date:	03/21/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 30 @ 5' (H221113-06)

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	03/22/2022	ND	1.83	91.5	2.00	7.81		
Toluene*	<0.050	0.050	03/22/2022	ND	1.90	94.9	2.00	7.52		
Ethylbenzene*	<0.050	0.050	03/22/2022	ND	1.83	91.6	2.00	7.95		
Total Xylenes*	<0.150	0.150	03/22/2022	ND	5.71	95.2	6.00	7.95		
Total BTX	<0.300	0.300	03/22/2022	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	224	16.0	03/22/2022	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	03/23/2022	ND	195	97.4	200	19.5		
DRO >C10-C28*	11.6	10.0	03/23/2022	ND	205	103	200	9.20		
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND						

Surrogate: 1-Chlorooctane 87.1 % 66.9-136

Surrogate: 1-Chlorooctadecane 93.6 % 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:	03/21/2022	Sampling Date:	03/21/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 31 @ 5' (H221113-07)

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	03/22/2022	ND	1.83	91.5	2.00	7.81	
Toluene*	<0.050	0.050	03/22/2022	ND	1.90	94.9	2.00	7.52	
Ethylbenzene*	<0.050	0.050	03/22/2022	ND	1.83	91.6	2.00	7.95	
Total Xylenes*	<0.150	0.150	03/22/2022	ND	5.71	95.2	6.00	7.95	
Total BTX	<0.300	0.300	03/22/2022	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	1090	16.0	03/22/2022	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	03/23/2022	ND	195	97.4	200	19.5	
DRO >C10-C28*	157	10.0	03/23/2022	ND	205	103	200	9.20	
EXT DRO >C28-C36	26.1	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 94.4 % 66.9-136

Surrogate: 1-Chlorooctadecane 115 % 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:	03/21/2022	Sampling Date:	03/21/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 32 @ 5' (H221113-08)

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	03/22/2022	ND	1.83	91.5	2.00	7.81	
Toluene*	<0.050	0.050	03/22/2022	ND	1.90	94.9	2.00	7.52	
Ethylbenzene*	<0.050	0.050	03/22/2022	ND	1.83	91.6	2.00	7.95	
Total Xylenes*	<0.150	0.150	03/22/2022	ND	5.71	95.2	6.00	7.95	
Total BTX	<0.300	0.300	03/22/2022	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	480	16.0	03/22/2022	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	03/23/2022	ND	195	97.4	200	19.5	
DRO >C10-C28*	88.3	10.0	03/23/2022	ND	205	103	200	9.20	
EXT DRO >C28-C36	21.6	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 99.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 116 % 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:	03/21/2022	Sampling Date:	03/21/2022
Reported:	03/24/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SRW - 2 N @ 3' (H221113-09)

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	03/22/2022	ND	1.83	91.5	2.00	7.81		
Toluene*	0.069	0.050	03/22/2022	ND	1.90	94.9	2.00	7.52		
Ethylbenzene*	<0.050	0.050	03/22/2022	ND	1.83	91.6	2.00	7.95		
Total Xylenes*	<0.150	0.150	03/22/2022	ND	5.71	95.2	6.00	7.95		
Total BTEx	<0.300	0.300	03/22/2022	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	320	16.0	03/22/2022	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	03/23/2022	ND	195	97.4	200	19.5	
DRO >C10-C28*	20.4	10.0	03/23/2022	ND	205	103	200	9.20	
EXT DRO >C28-C36	<10.0	10.0	03/23/2022	ND					

Surrogate: 1-Chlorooctane 103 % 66.9-136

Surrogate: 1-Chlorooctadecane 122 % 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

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

Page 12 of 12



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

March 30, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: PADUCA 7/6

Enclosed are the results of analyses for samples received by the laboratory on 03/25/22 14:05.

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:	03/25/2022	Sampling Date:	03/25/2022
Reported:	03/30/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SR - 25 VERTICAL @ 5' (H221195-01)

BTEX 8021B		mg/ kg		Analyzed By: MS\						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/29/2022	ND	2.11	105	2.00	4.22		
Toluene*	<0.050	0.050	03/29/2022	ND	2.09	105	2.00	3.46		
Ethylbenzene*	<0.050	0.050	03/29/2022	ND	2.08	104	2.00	4.13		
Total Xylenes*	<0.150	0.150	03/29/2022	ND	6.43	107	6.00	3.98		
Total BTEX	<0.300	0.300	03/29/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 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	03/29/2022	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	03/29/2022	ND	196	97.9	200	4.21	
DRO >C10-C28*	110	10.0	03/29/2022	ND	188	93.8	200	3.64	
EXT DRO >C28-C36	24.1	10.0	03/29/2022	ND					

Surrogate: 1-Chlorooctane 98.5 % 66.9-136

Surrogate: 1-Chlorooctadecane 112 % 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

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager

CARDINAL Laboratories										BILL TO		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 #: Paduca 7/6 Project Location: Lea Co., NM Sample Name: RS										P.O. #: Company: Mendocaine Oil Co. Attn: Robbie Runnels Address: City: State: Zip:		ANALYSIS REQUEST									
FOR USE ONLY Lab I.D. H221195 Sample I.D. SR-25 Vertical @ 5'										DATE 3/25/2022 TIME 9:25		Chloride X TPH X BTEX X									
Relinquished By: [Signature] Date: 3-25-22 Time: 1405 Received By: [Signature] Date: Time:										Verbal Result: All Results are emailed. Please provide Email address:		REMARKS:									
Delivered By: (Circle One) Sampler - UPS - Bus - Other:										Observed Temp. °C 29.8 Corrected Temp. °C 29.3		Sample Condition Cool Intact Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Checked By: [Signature] Turnaround Time: Thermometer ID #113 Correction Factor -0.5 °C									
Standard X Rush										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@cardinalabnm.com



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

April 28, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: PADUCA 7/6

Enclosed are the results of analyses for samples received by the laboratory on 04/26/22 13:15.

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 style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	04/26/2022	Sampling Date:	04/26/2022
Reported:	04/28/2022	Sampling Type:	Soil
Project Name:	PADUCA 7/6	Sampling Condition:	** (See Notes)
Project Number:	NONE GIVEN	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE - EDDY CO NM		

Sample ID: SRW - 6 N @ 3' (H221701-01)

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	04/27/2022	ND	1.97	98.6	2.00	8.10		
Toluene*	<0.050	0.050	04/27/2022	ND	1.97	98.3	2.00	8.44		
Ethylbenzene*	<0.050	0.050	04/27/2022	ND	1.95	97.5	2.00	8.09		
Total Xylenes*	<0.150	0.150	04/27/2022	ND	6.06	101	6.00	8.12		
Total BTX	<0.300	0.300	04/27/2022	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	64.0	16.0	04/27/2022	ND	416	104	400	0.00		

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	04/28/2022	ND	205	103	200	2.10	
DRO >C10-C28*	<10.0	10.0	04/28/2022	ND	190	95.2	200	3.47	
EXT DRO >C28-C36	<10.0	10.0	04/28/2022	ND					

Surrogate: 1-Chlorooctane 93.2 % 66.9-136

Surrogate: 1-Chlorooctadecane 97.7 % 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

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

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

BILL TO

ANALYSIS REQUEST

Company Name: Trinity

Project Manager: Don Dunkelberg

Address: Hobbs

City: Hobbs

Phone #: State NM Zip: 88240

Project #: Paduca 71e

Project Name: Paduca

Project Location: Paduca

Sampler Name: Audriana Benavide

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

#001701

SPN-16 N @ 3'

(G)RAB OR (C)OMP.

CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

Chloride
BTEX
TPH

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Relinquished By:

Date:

Time:

Received By:

Verbal Result: ☐ Yes ☐ No

Add'l Phone #:

All Results are emailed. Please provide Email address:

Relinquished By:

Date:

Time:

Received By:

REMARKS:

Delivered By: (Circle One)

Sampler - UPS - Bus - Other:

Observed Temp. °C

Corrected Temp. °C

Sample Condition

Cool Intact

Yes ☒ No ☐

Checked By: (Initials)

Turnaround Time:

Thermometer ID #113

Correction Factor -0.5°C

Standard

Rush

Bacteria (only) Sample Condition

Cool Intact

Yes ☐ No ☒

Observed Temp. °C

Corrected Temp. °C

FORM 500-R-3-2-10/07/21

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



Excavation

Northwest:



Northwest:





Excavation

Southwest:



Southwest:





Excavation

East:



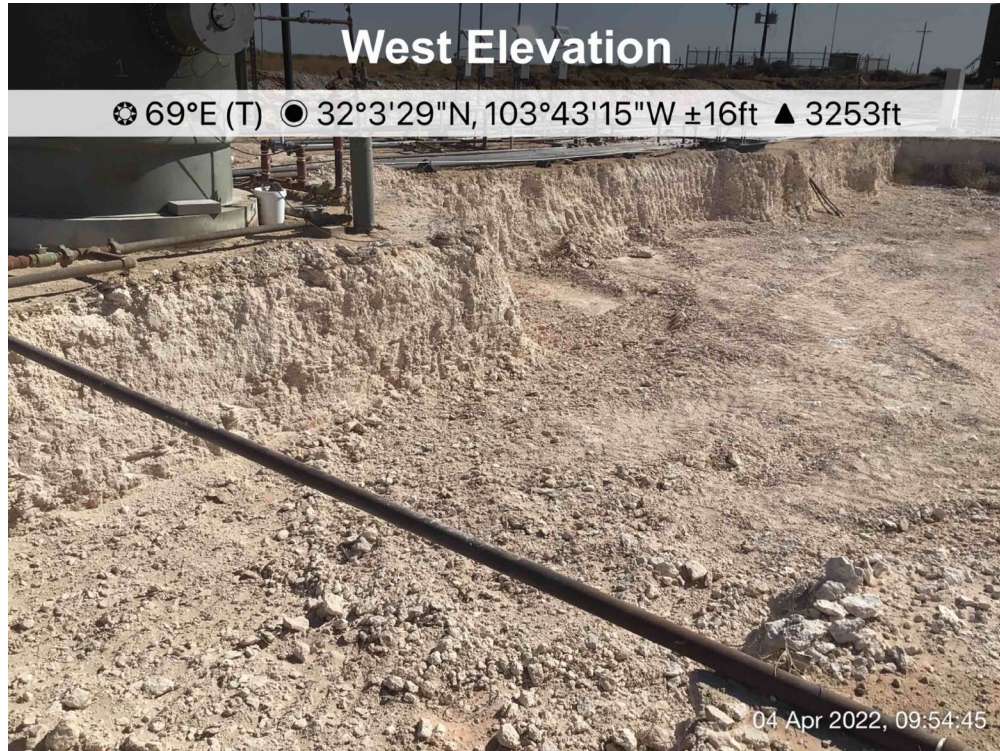
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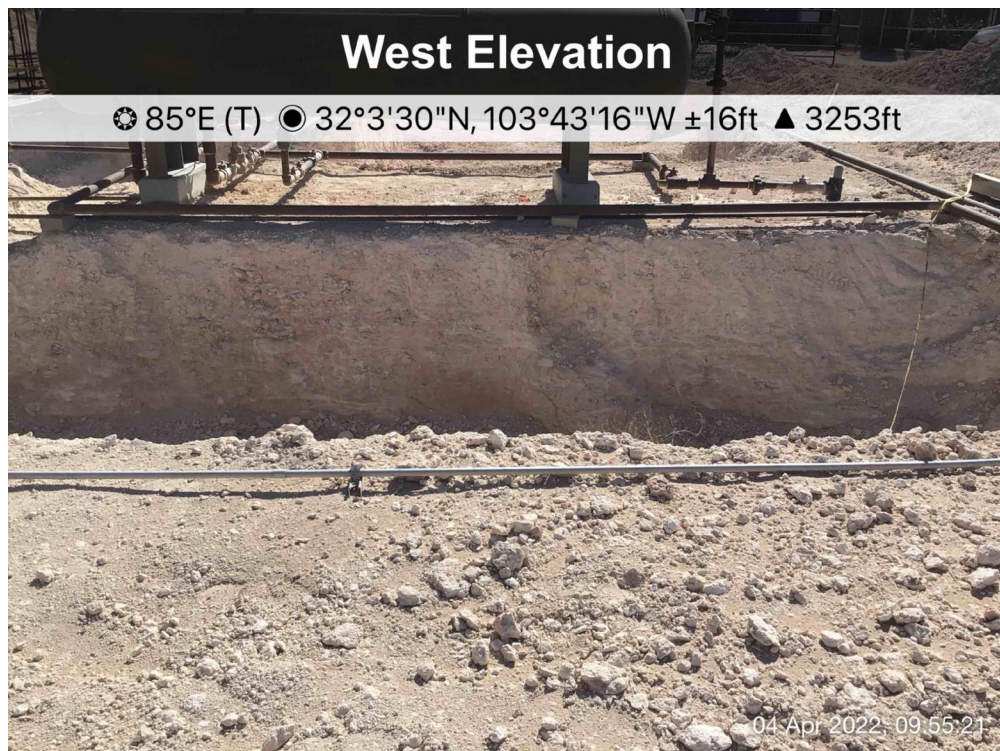


Excavation

West:



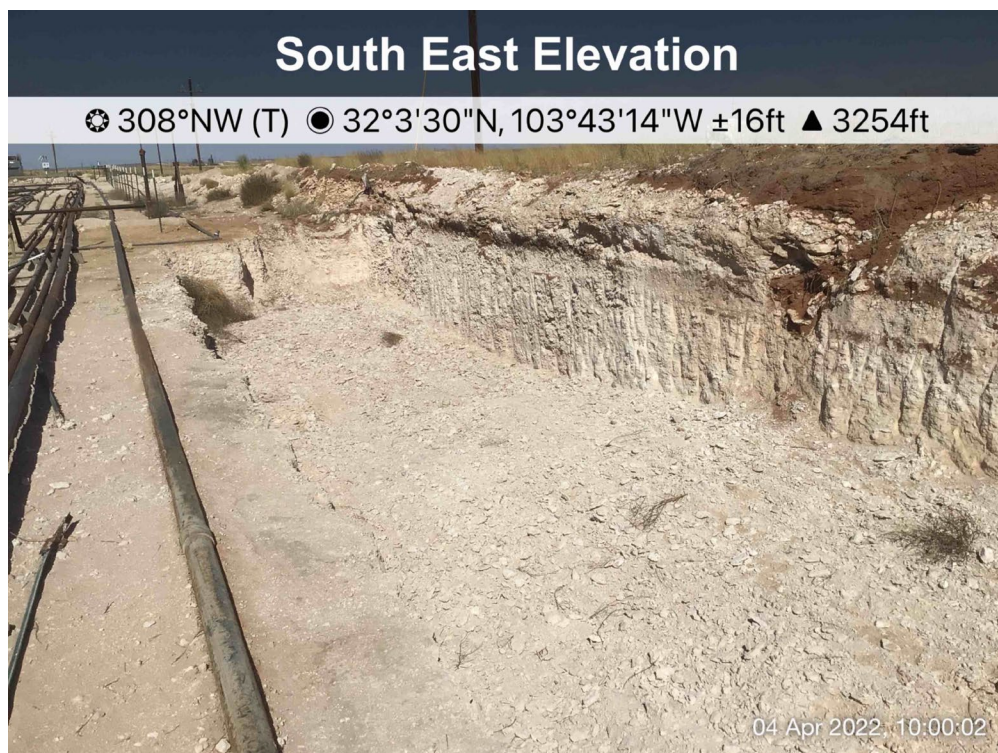
West:



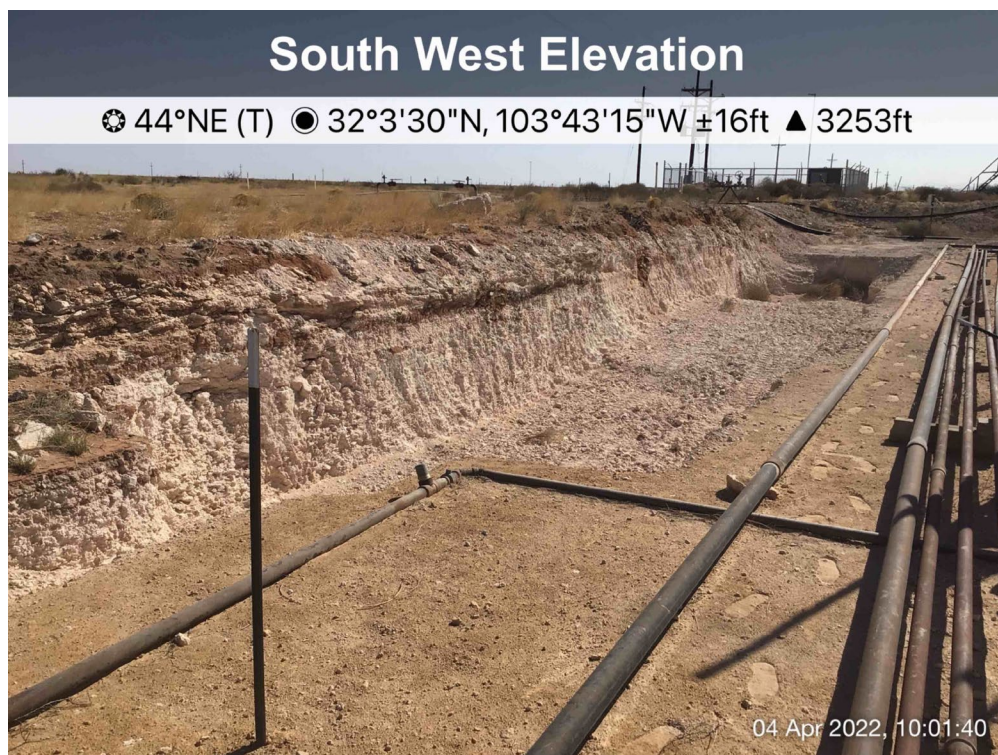


Excavation

Southeast:



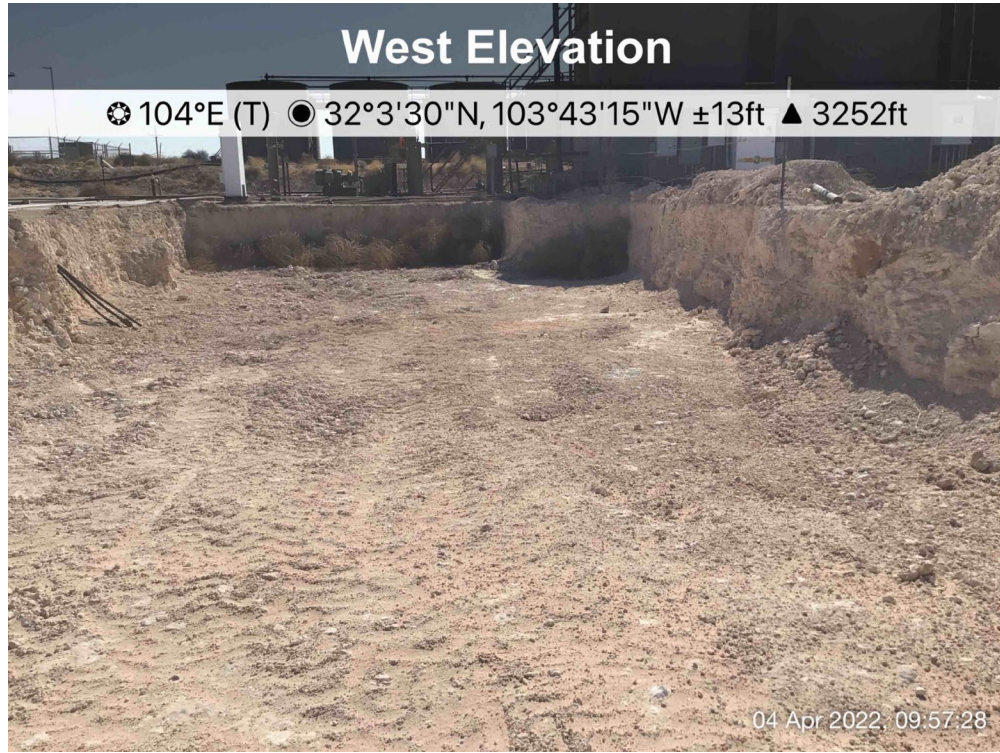
Southwest:



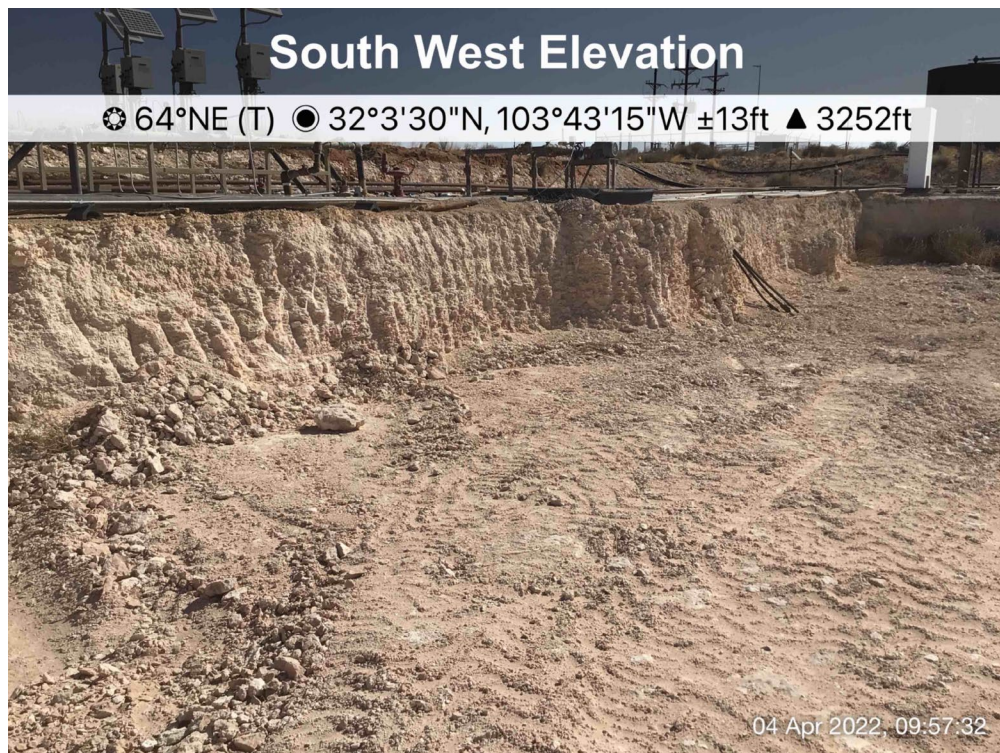


Excavation

West:



Southwest:



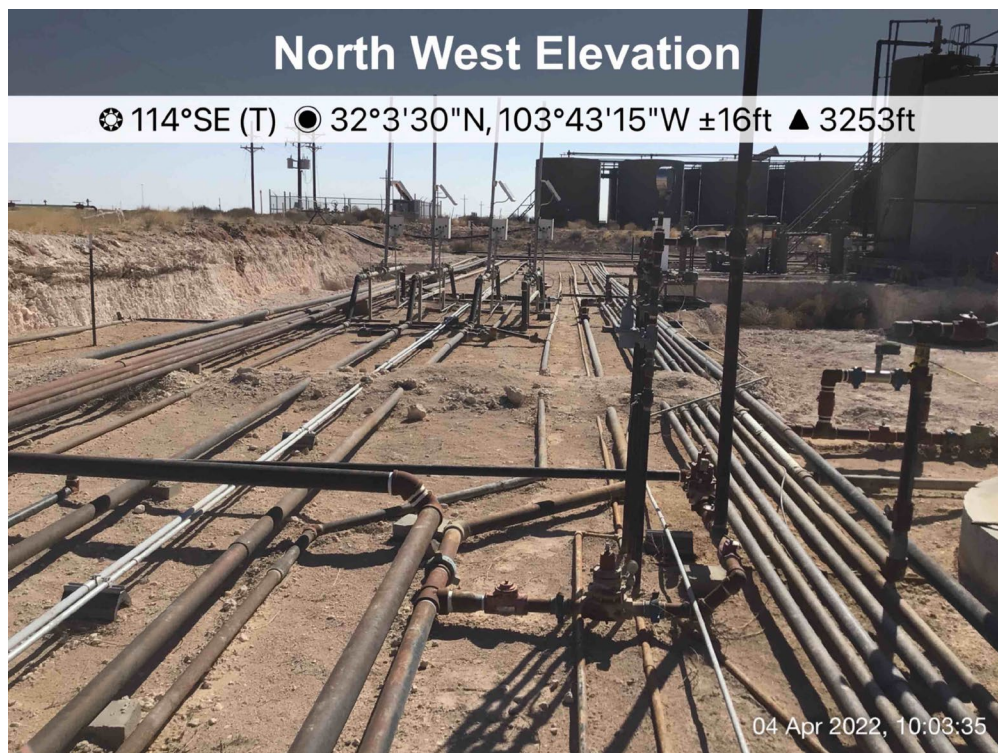


Deferral

Northeast:



Northwest:



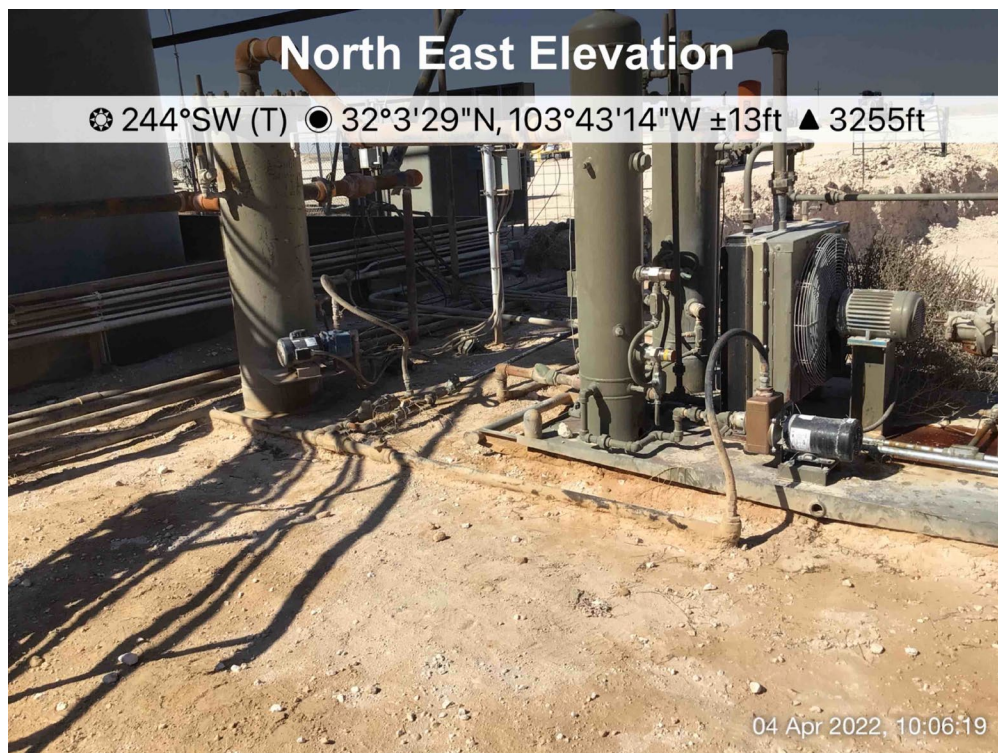


Deferral

North:



Northeast:



District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 103810

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 103810
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Deferral Request Approved.	5/23/2022