

Incident ID	NAPP2220137198
District RP	
Facility ID	
Application ID	


Closure

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

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

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


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

Printed Name: Connor Walker Title: Sr. Engineer
Signature:  Date: 02/06/2023
email: cwalker@mewbourne.com Telephone: 806-202-5281

OCD Only

Received by: Robert Hamlet Date: 6/8/2023

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

Closure Approved by:  Date: 6/8/2023
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

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Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	>107 (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

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Printed Name: _____ Title: _____

Signature: _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2220137198
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Closure

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- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
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Printed Name: Connor Walker Title: Sr. Engineer

Signature: _____ Date: _____

email: cwalker@mewbourne.com Telephone: 806-202-5281

OCD Only

Received by: _____ Date: _____

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

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

Trinity Oilfield Services & Rentals, LLC



January 18th, 2023

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

Re: **Closure Request**
Santo Nino 29 SWD FED #1
Tracking #: NAPP2220137198

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

Site Information	
Incident ID	NAPP2220137198
Site Name	Santo Nino 29 SWD FED #1
Company	Mewbourne Oil Co
County	Eddy
ULSTR	G-29-18S-30E
GPS Coordinates (NAD 83)	32.720223, -103.991708
Landowner	Federal

RELEASE BACKGROUND

On 7/20/2022, Mewbourne Oil Co reported a release at the Santo Nino 29 SWD FED #1. The release was caused when a steel injection line developed a pin hole. Approximately 39,417 sqft. of the Pad was found to be damp upon initial inspection.

Release Information	
Date of Release	7/7/2022
Type of Release	Produced Water
Source of Release	Equipment Failure
Volume Released – Produced Water	194 bbls
Volume Recovered – Produced Water	165 bbls
Volume Released – Crude Oil	0 bbls
Volume Recovered – Crude Oil	0 bbls
Affected Area – Damp Soil	Pad - Approximately 39,417 sqft.
Site Location Map	Attached

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

Data Source	Well Number	Data Date	Depth (ft.)
NM OSE	NA	NA	NA
USGS	NA	NA	NA
Soil Bore	SB-07	12/1/2022	107'

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

On 12/01/2022, Trinity was onsite to drill a groundwater determination borehole (SB-07) to 107' below ground surface within a $\frac{1}{2}$ mile radius of the incident location. The borehole was left open for 72 hours and checked for the presence of groundwater. As a result, no water was detected at 107' below surface at the borehole location (32.720377, -103.992512). The driller log is attached for reference.

General Site Characterization:

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

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

Closure Criteria:

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

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

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

Delineation Summary	
Delineation Dates	11/16/2022 - 11/17/2022
Depths Sampled	0' - 14'
Delineation Map	Attached
Laboratory Results	Table 1

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

Confirmation Activities:

Remediation Summary	
Remediation Dates	12/14/2022
Liner Variance Request	None
Deferral Request	None
Depths Excavated	Scrape
Area Represented by the required 5-point Confirmation Samples – Floors and Walls	200 sqft.
Total Volume of Excavated Soil	43 yards
Remediation Map	Attached
Laboratory Results	Table 2

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

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

SITE RECLAMATION AND RESTORATION

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

REQUEST FOR CLOSURE

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

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

Sincerely,

Dan Dunkelberg
Dan Dunkelberg
Project Manager

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



Mewbourne Oil Co.
Santo Nino 29 SWD FED #1
Eddy County, New Mexico
NMOCD Reference #: NAPP2220137198

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
Delineation Special circumstances, On-Site, & Deeper than 4' Pasture					600	2,500	100	NE	NE	NE	50	10
NMOCD Delineation Limits Pasture to 4' & Walls					600	100	NE	NE	NE	NE	50	10
Vertical Delineation												
SP-001-00.0-V-S	0'	11/16/2022	Grab	Excavated	21,000	13.8	13.8	<10.0	13.8	<10.0	<0.300	<0.050
SP-001-01.0-V-S	1'	11/16/2022	Grab	Excavated	2,400	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-001-02.0-V-S	2'	11/16/2022	Grab	Excavated	2,360	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-001-04.0-V-S	4'	11/16/2022	Grab	Excavated	2,760	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-001-10.0-V-S	10'	11/16/2022	Grab	Excavated	640	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-001-14.0-V-S	14'	11/16/2022	Grab	In-Situ	176	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-002-00.0-V-S	0'	11/16/2022	Grab	Excavated	12,200	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-002-01.0-V-S	1'	11/16/2022	Grab	In-Situ	2,720	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-003-00.0-V-S	0'	11/16/2022	Grab	Excavated	5,120	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-003-01.0-V-S	1'	11/16/2022	Grab	In-Situ	4,200	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-004-00.0-V-S	0'	11/16/2022	Grab	Excavated	10,000	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-004-01.0-V-S	1'	11/16/2022	Grab	In-Situ	2,020	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-005-00.0-V-S	0'	11/16/2022	Grab	Excavated	512	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-005-01.0-V-S	1'	11/16/2022	Grab	In-Situ	1,710	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-006-00.0-V-S	0'	11/16/2022	Grab	Excavated	1,040	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-006-01.0-V-S	1'	11/16/2022	Grab	Excavated	496	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-006-02.0-V-S	2'	11/16/2022	Grab	Excavated	1,620	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-006-04.0-V-S	4'	11/16/2022	Grab	Excavated	480	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-006-10.0-V-S	10'	11/16/2022	Grab	Excavated	304	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-006-14.0-V-S	14'	11/16/2022	Grab	In-Situ	176	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-007-00.0-V-S	0'	11/16/2022	Grab	Excavated	11,800	25	25	<10.0	25	<10.0	<0.300	<0.050
SP-007-01.0-V-S	1'	11/16/2022	Grab	In-Situ	2,320	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-008-00.0-V-S	0'	11/16/2022	Grab	Excavated	13,800	29.5	29.5	<10.0	29.5	<10.0	<0.300	<0.050
SP-008-01.0-V-S	1'	11/16/2022	Grab	Excavated	1,570	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-008-02.0-V-S	2'	11/16/2022	Grab	Excavated	160	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-008-04.0-V-S	4'	11/16/2022	Grab	Excavated	1,900	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050

TABLE 1
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Santo Nino 29 SWD FED #1
Eddy County, New Mexico
NMOCD Reference #: NAPP2220137198

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Delineation Special circumstances, On-Site, & Deeper than 4' Pasture					600	2,500	100	NE	NE	NE	50	10
NMOCD Delineation Limits Pasture to 4' & Walls					600	100	NE	NE	NE	NE	50	10
SP-008-10.0-V-S	10'	11/16/2022	Grab	Excavated	208	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-008-14.0-V-S	14'	11/16/2022	Grab	In-Situ	656	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-009-00.0-V-S	0'	11/16/2022	Grab	Excavated	320	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-009-01.0-V-S	1'	11/16/2022	Grab	In-Situ	1,170	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-010-00.0-V-S	0'	11/16/2022	Grab	Excavated	6,660	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-010-01.0-V-S	1'	11/16/2022	Grab	Excavated	960	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-010-02.0-V-S	2'	11/16/2022	Grab	Excavated	1,200	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-010-04.0-V-S	4'	11/16/2022	Grab	Excavated	1,940	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-010-10.0-V-S	10'	11/16/2022	Grab	Excavated	480	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-010-14.0-V-S	14'	11/16/2022	Grab	In-Situ	208	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-011-00.0-V-S	0'	11/16/2022	Grab	Excavated	3,360	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-011-01.0-V-S	1'	11/16/2022	Grab	Excavated	1,520	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-011-02.0-V-S	2'	11/16/2022	Grab	Excavated	1,120	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-011-04.0-V-S	4'	11/16/2022	Grab	Excavated	624	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-011-10.0-V-S	10'	11/16/2022	Grab	Excavated	432	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-011-14.0-V-S	14'	11/16/2022	Grab	In-Situ	192	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-012-00.0-V-S	0'	11/16/2022	Grab	Excavated	512	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-012-01.0-V-S	1'	11/16/2022	Grab	Excavated	1,280	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-012-02.0-V-S	2'	11/16/2022	Grab	Excavated	1,800	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-012-04.0-V-S	4'	11/16/2022	Grab	Excavated	1,020	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-012-10.0-V-S	10'	11/16/2022	Grab	Excavated	320	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-012-14.0-V-S	14'	11/16/2022	Grab	In-Situ	176	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-013-00.0-V-S	0'	11/16/2022	Grab	Excavated	2,130	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-013-01.0-V-S	1'	11/16/2022	Grab	Excavated	1,250	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-013-02.0-V-S	2'	11/16/2022	Grab	In-Situ	5,760	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-014-00.0-V-S	0'	12/14/2022	Grab	In-Situ	848	45.6	33.7	<10.0	33.7	11.9	<0.300	<0.050
SP-015-00.0-V-S	0'	12/14/2022	Grab	In-Situ	640	14.8	14.8	<10.0	14.8	<10.0	<0.300	<0.050

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



Mewbourne Oil Co.
 Santo Nino 29 SWD FED #1
 Eddy County, New Mexico
 NMOCD Reference #: NAPP2220137198

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
Delineation Special circumstances, On-Site, & Deeper than 4' Pasture					600	2,500	100	NE	NE	NE	50	10
NMOCD Delineation Limits Pasture to 4' & Walls					600	100	NE	NE	NE	NE	50	10
SP-016-00.0-V-S	0'	12/14/2022	Grab	In-Situ	176	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
Horizontal Delineation												
SP-001-02.0-HE-P	2'	11/17/2022	Grab	In-Situ	48	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-001-02.0-HS-P	2'	11/17/2022	Grab	In-Situ	64	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-002-02.0-HE-P	2'	11/17/2022	Grab	In-Situ	32	11.3	11.3	11.3	<10.0	<10.0	<0.300	<0.050
SP-003-02.0-HE-P	2'	11/17/2022	Grab	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-003-02.0-HN-P	2'	11/17/2022	Grab	In-Situ	16	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-008-02.0-HN-P	2'	11/17/2022	Grab	In-Situ	64	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-009-02.0-HN-P	2'	11/17/2022	Grab	In-Situ	80	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-011-02.0-HS-P	2'	11/17/2022	Grab	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-012-02.0-HW-P	2'	11/17/2022	Grab	In-Situ	32	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-013-02.0-HN-P	2'	11/17/2022	Grab	In-Situ	64	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
SP-013-02.0-HW-P	2'	11/17/2022	Grab	In-Situ	48	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050

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



Mewbourne Oil Co.
Santo Nino 29 SWD FED #1
Eddy County, New Mexico
NMOCD Reference #: NAPP2220137198

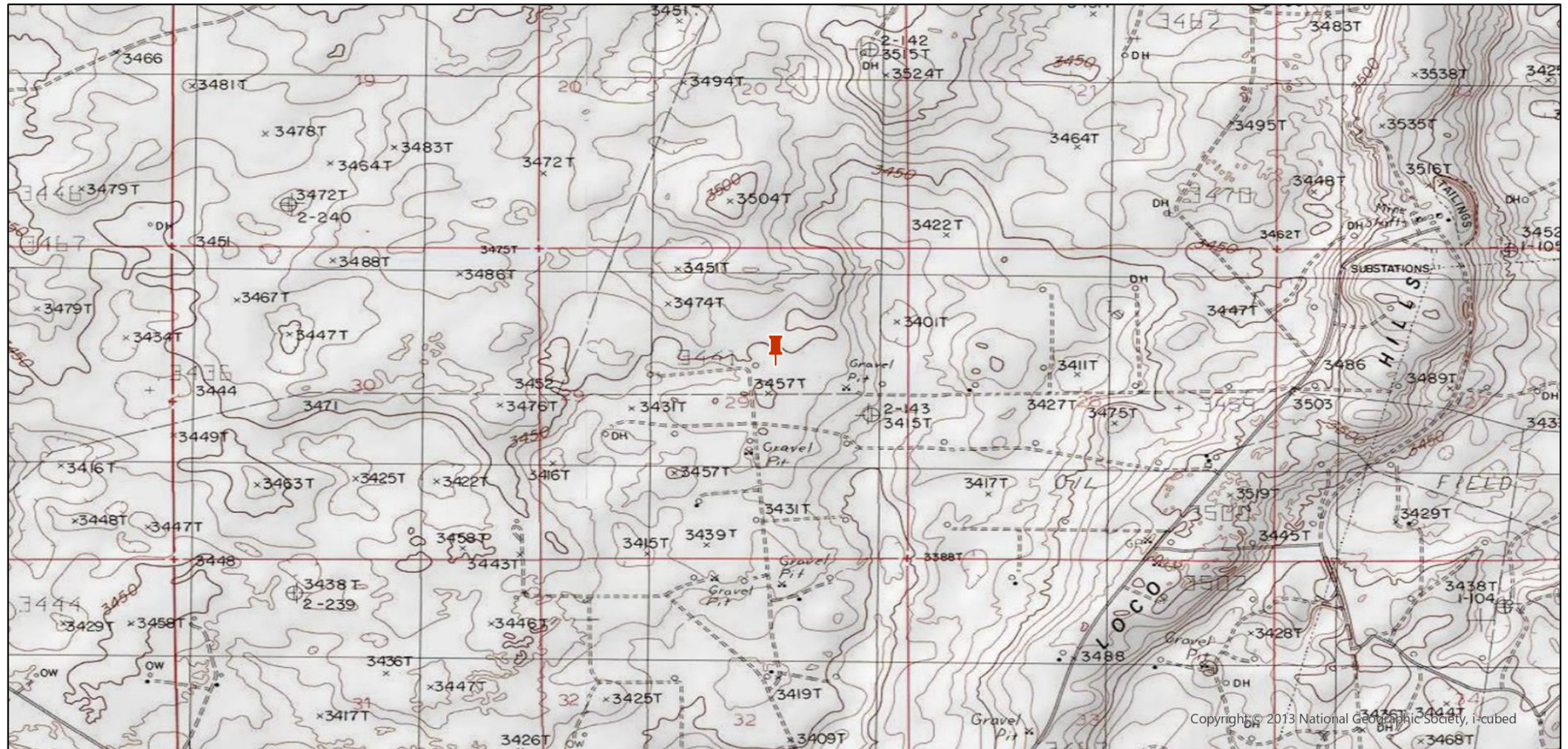
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits Pad					20,000	2,500	1,000	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4' & Walls					600	100	NE	NE	NE	NE	50	10
Remediation Floors												
CF-001-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	1,760.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-002-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	784.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-003-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	1,860.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-004-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	3,080.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-005-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	352.00	183.70	152.00	<10.0	152.00	31.70	<0.300	<0.050
CF-006-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	352.00	168.80	139.00	<10.0	139.00	29.80	<0.300	<0.050
CF-007-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	368.00	61.30	51.00	<10.0	51.00	10.30	<0.300	<0.050
CF-008-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	416.00	99.20	81.60	<10.0	81.60	17.60	<0.300	<0.050
CF-009-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	3,440.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-010-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	416.00	100.30	85.00	<10.0	85.00	15.30	<0.300	<0.050
CF-011-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	6,320.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-012-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	9,040.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-013-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	400.00	218.10	180.00	<10.0	180.00	38.10	<0.300	<0.050
CF-014-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	336.00	273.90	222.00	<10.0	222.00	51.90	<0.300	<0.050
CF-015-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	400.00	233.50	189.00	<10.0	189.00	44.50	<0.300	<0.050
CF-016-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	352.00	241.00	194.00	<10.0	194.00	47.00	<0.300	<0.050
CF-017-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	1,280.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-018-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	5,880.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-019-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	4,320.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-020-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	2,480.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-021-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	2,240.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-022-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	4,040.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-023-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	1,200.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-024-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	4,560.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-025-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	2,020.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050
CF-026-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	2,100.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050

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



Mewbourne Oil Co.
Santo Nino 29 SWD FED #1
Eddy County, New Mexico
NMOCD Reference #: NAPP2220137198

SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
NMOCD Closure Limits Pad					20,000	2,500	1,000	NE	NE	NE	50	10
NMOCD Closure Limits Pasture to 4' & Walls					600	100	NE	NE	NE	NE	50	10
CF-027-00.3-NA-S	0.3	12/14/2022	Composite	In-Situ	3,800.00	<10.0	<10.0	<10.0	<10.0	<10.0	<0.300	<0.050

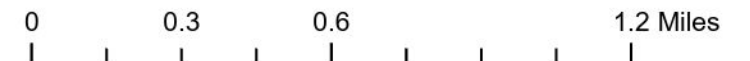


Legend:



Site Location

Site Location Map
Mewbourne Oil Co.
Santo Nino 29 SWD FED #1
Eddy County, New Mexico
32.720223,-103.991708
CD Reference # NAPP222013



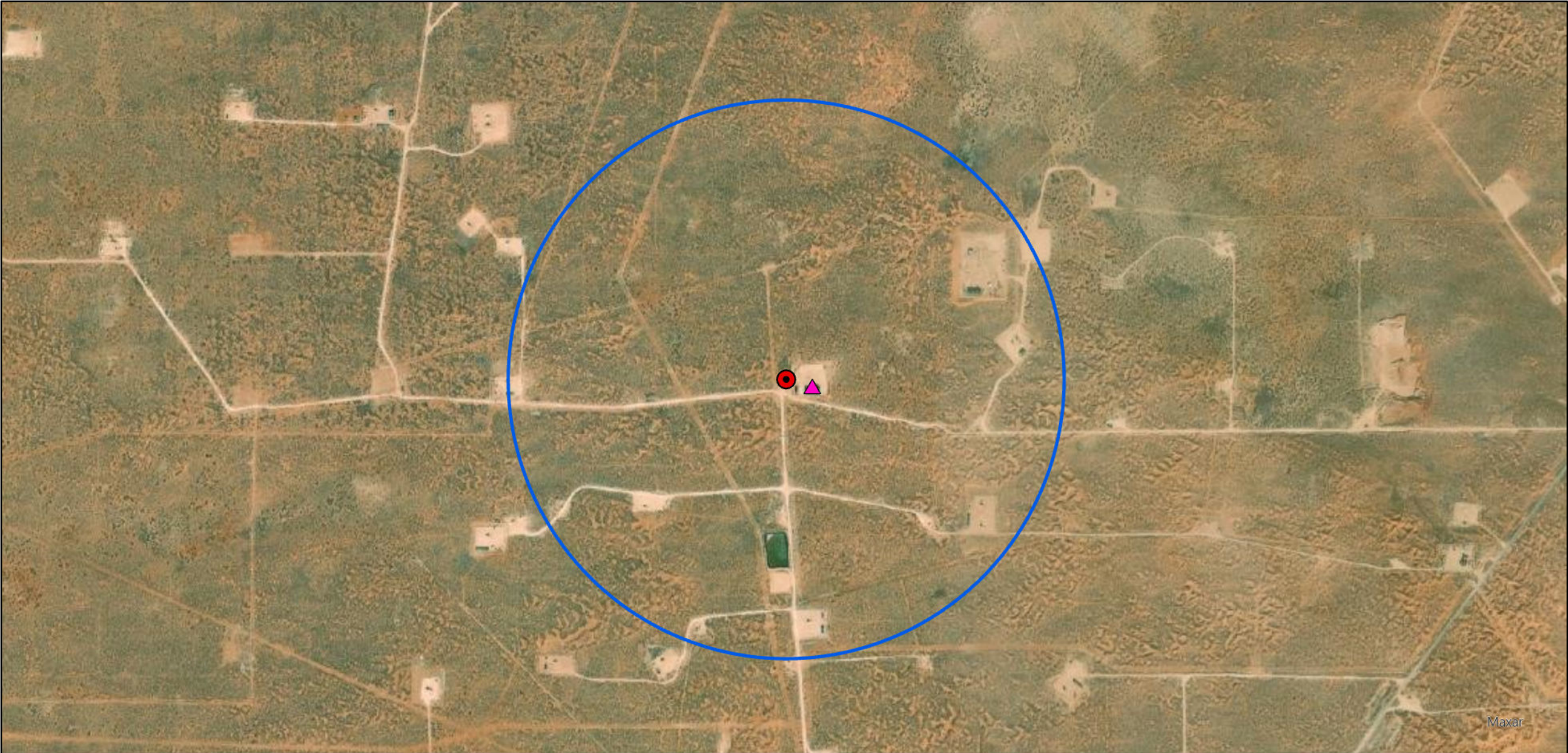


SOIL BORE LOG SB-07

PROJECT NAME Santo Nino 29 SWD FED #1		DRILLING DATE 12/01/2022	COORDINATES 32.720377, -103.992512
CLIENT Mewbourne Oil Co.		TOTAL DEPTH 107'	COORD SYS NAD 83
			ULSTR G-29-18S-30E
			SURFACE ELEVATION 3455
COMMENTS Spud on the West Side of the Santo Nino 29 SWD FED #1 Well Pad. Bore Hole was observed to be dry after 72 hrs.			LOGGED BY CJ CHECKED BY DD
Depth (ft)	Moisture	Material Description	Elevation (ft)
5	D	Reddish Yellow Sandy Clay Loam. Dry	3450
10		Yellowish Red Sandy Loam. Dry	3445
15		Light Red Sandy Clay Loam. Dry	3440
20		Yellowish Red Sandy Loam. Dry	3435
25		Red Sandy Clay. Dry	3430
30		Yellowish Red Sandy Clay Loam. Dry	3425
35		Yellowish Red Sandy Clay.	3420
40			3415
45			3410
50		Yellowish Red Sandy Loam. Dry	3405
55			3400
60			3395
65		Reddish Brown Sandy Clay. Dry	3390
70		Yellowish Red Sandy Loam. Dry	3385
75			3380
80			3375
85		Reddish Brown Sandy Clay. Dry	3370
90		Yellowish Red Sandy Clay Loam. Dry	3365
95			3360
100			3355
105			3350
110		Termination Depth at:107 ft.	3345

Disclaimer This bore log is intended to evidence a depth to groundwater greater than 107'.

Page 1 of 1

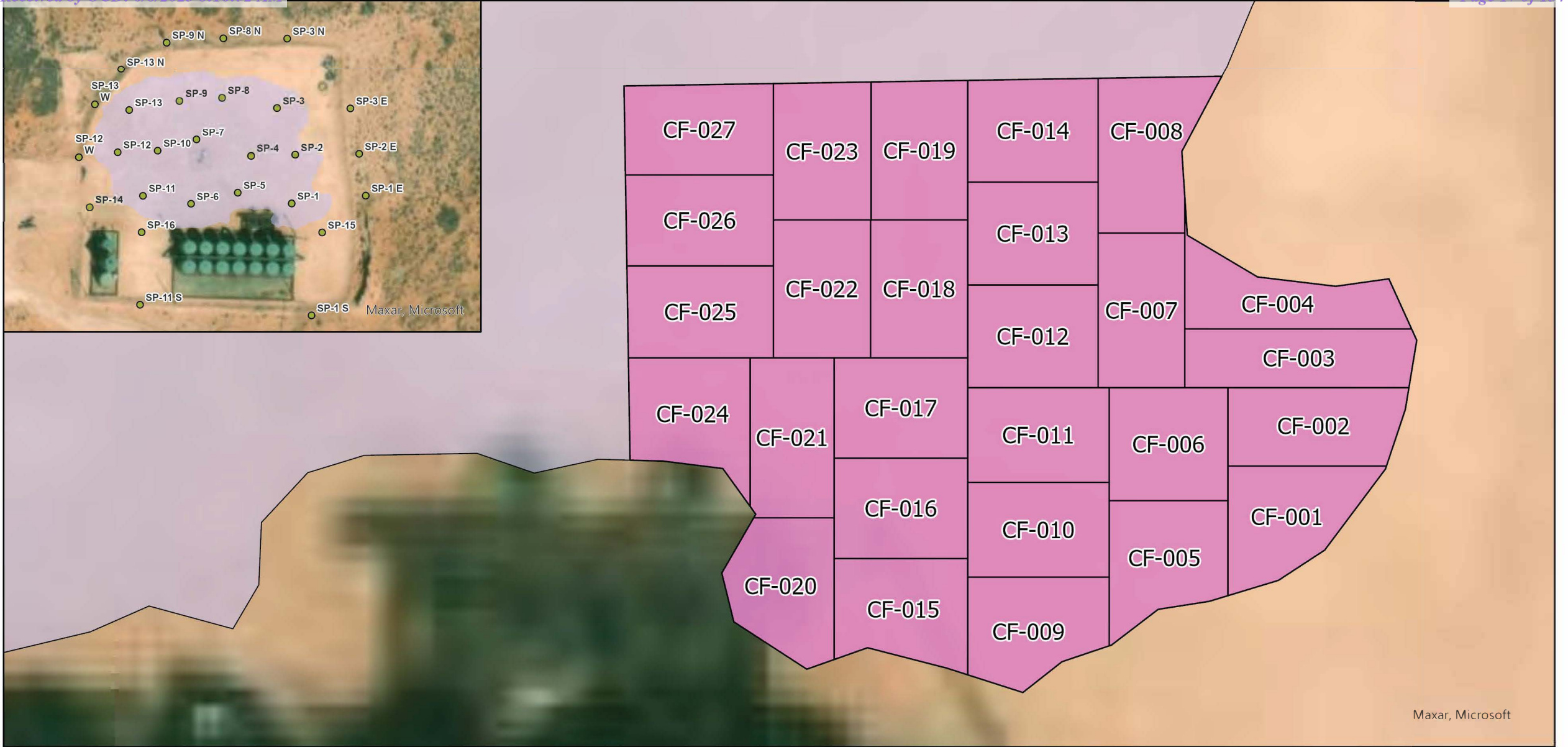
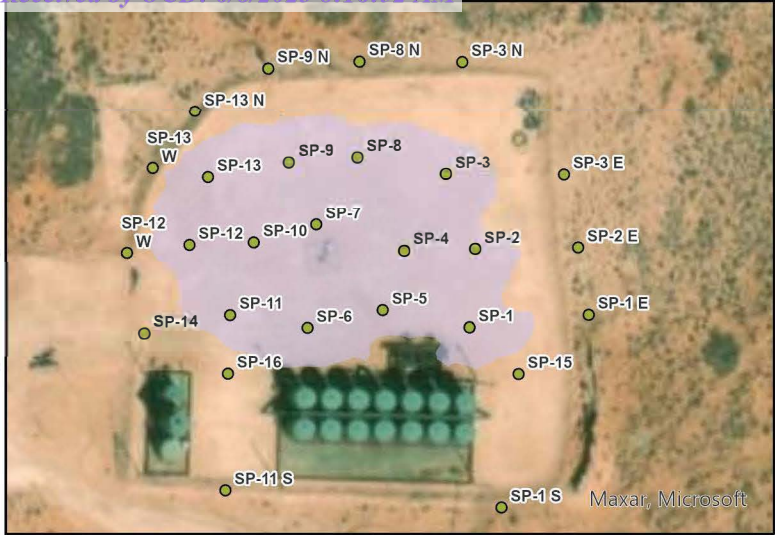


Legend:

-  Site Location
-  Soil Bore
-  1/2 Mile Buffer

Soil Bore Map
Mewbourne Oil Co.
Santo Nino 29 SWD FED #1
Eddy County, New Mexico
32.720223,-103.991708
NMOCD Reference # NAPP2220137198

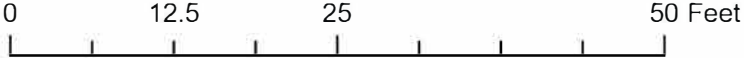




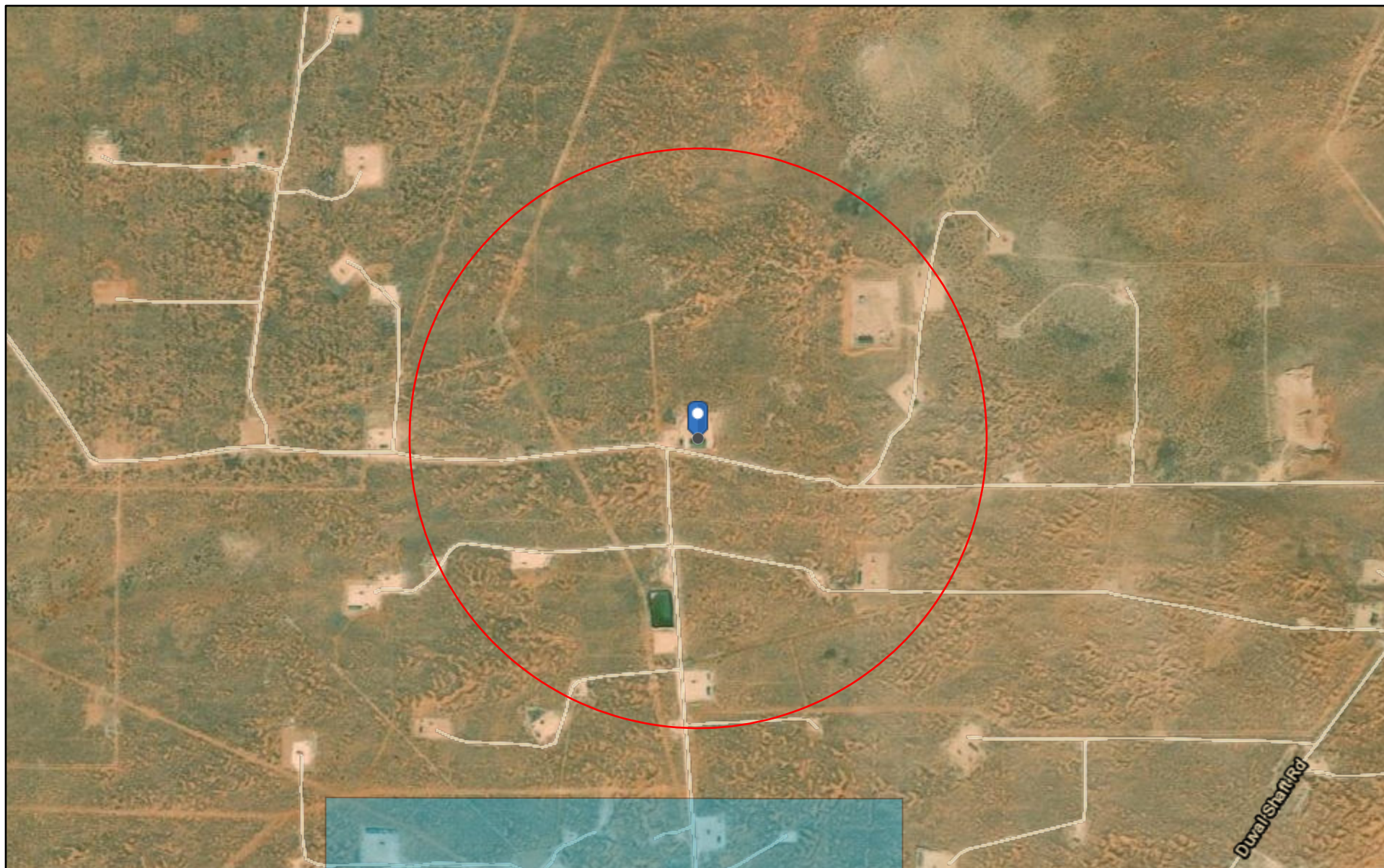
Legend:

- Remediation Floors
- Release Area
- Sample Point

Delineation/Remediation Map
Mewbourne Oil Co.
Santo Nino 29 SWD FED #1
Eddy County, New Mexico
32.720223,-103.991708
NMOCD Reference # NAPP2220137198



NAPP2220137198 | SANTO NINO 29 SWD FED #1

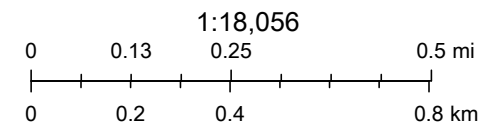


8/26/2022, 4:07:16 PM

 OSE District Boundary  SiteBoundaries

New Mexico State Trust Lands

 Both Estates



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

Web Generated Map
Map is generated by web users.



NAPP2220137198 | SANTO NINO 29 SWD FED #1



August 19, 2022

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

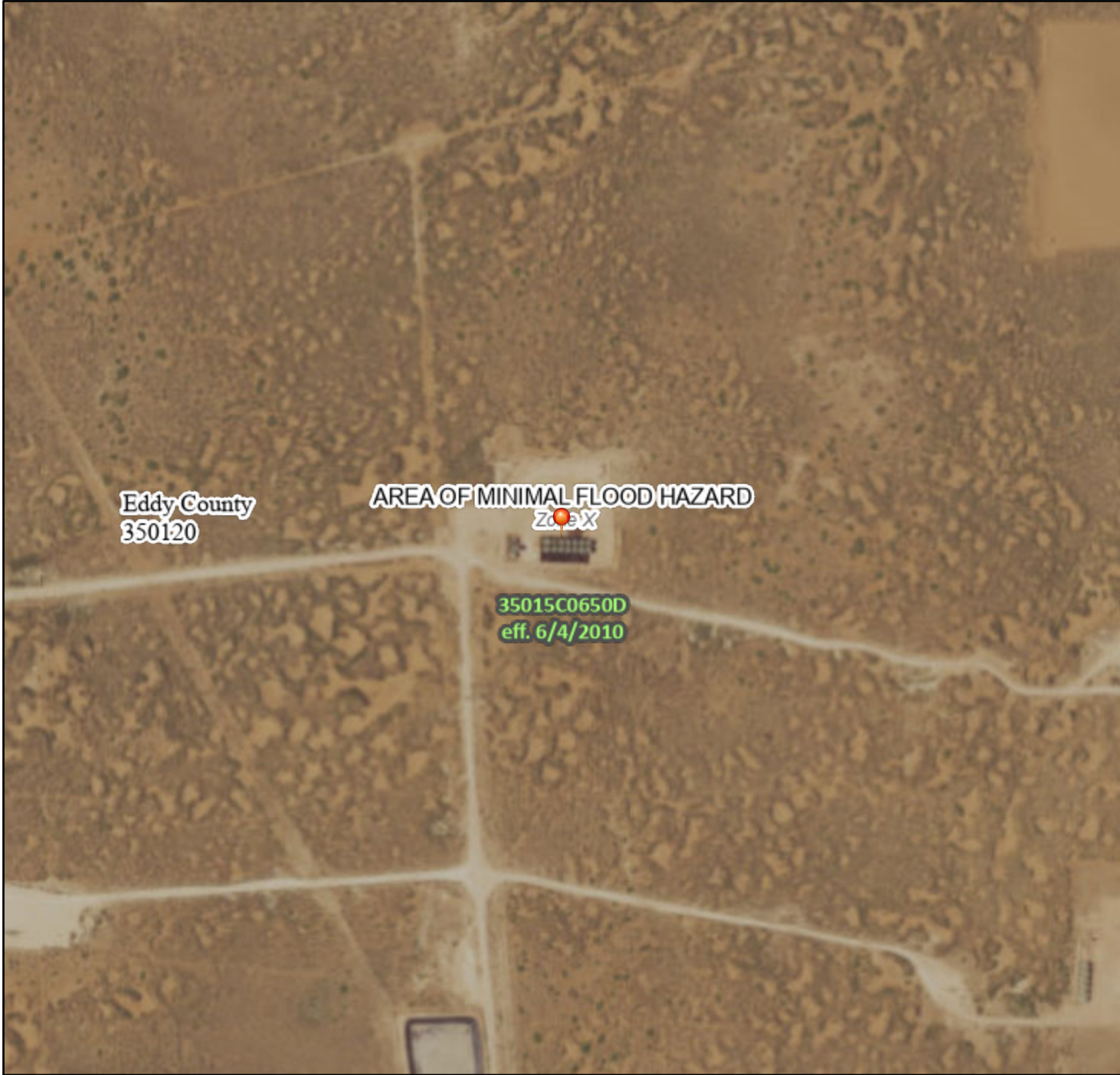
- Lake
- Other
- Riverine

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

National Flood Hazard Layer FIRMette



103°59'49"W 32°43'28"N



Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) <i>Zone A, V, A99</i>
		With BFE or Depth <i>Zone AE, AO, AH, VE, AR</i>
		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 <i>Zone X</i>
		Future Conditions 1% Annual Chance Flood Hazard <i>Zone X</i>
		Area with Reduced Flood Risk due to Levee. See Notes. <i>Zone X</i>
		Area with Flood Risk due to Levee <i>Zone D</i>
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard <i>Zone X</i>
		Effective LOMRs
		Area of Undetermined Flood Hazard <i>Zone D</i>
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

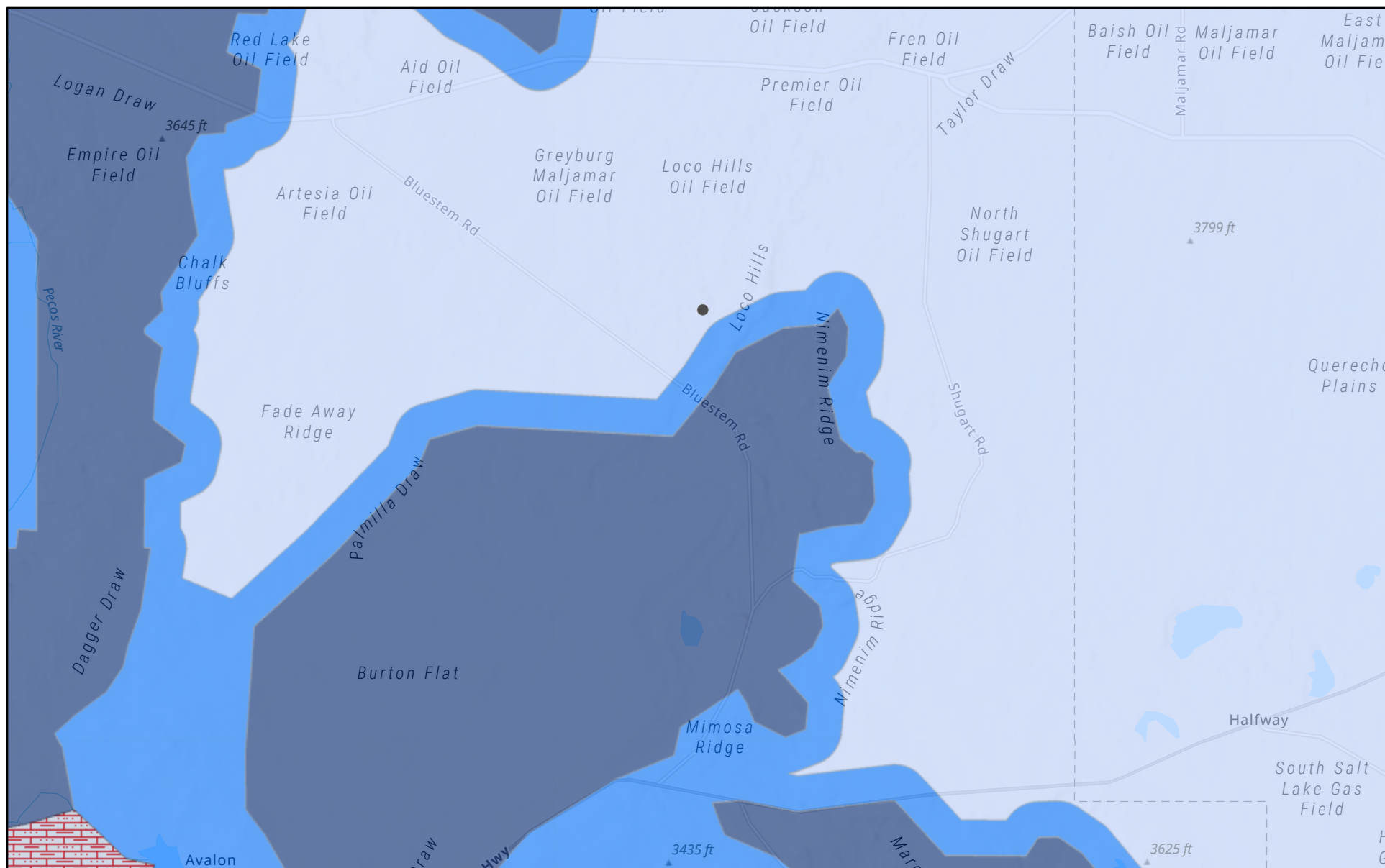
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 8/19/2022 at 2:54 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

NAPP2220137198 | SANTO NINO 29 SWD FED #1

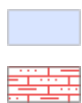


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Karst Occurrence Potential

High

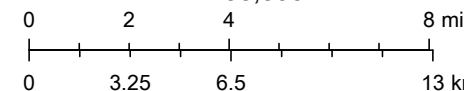
Medium



Critical Karst Resource Area



1:288,895



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

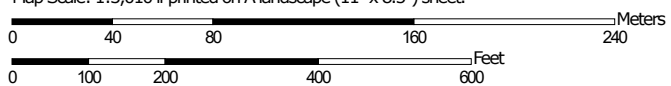
New Mexico Oil Conservation Division

Soil Map—Eddy Area, New Mexico
(NAPP2220137198 | SANTO NINO 29 SWD FED #1)



Soil Map may not be valid at this scale.

Map Scale: 1:3,010 if printed on A landscape (11" x 8.5") sheet.



Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 13N WGS84



Natural Resources
Conservation Service

Web Soil Survey
National Cooperative Soil Survey

8/19/2022
Page 1 of 3

Soil Map—Eddy Area, New Mexico
(NAPP2220137198 | SANTO NINO 29 SWD FED #1)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 17, Sep 12, 2021

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

Date(s) aerial images were photographed: Feb 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
KM	Kermi-Berino fine sands, 0 to 3 percent slopes	33.6	100.0%
Totals for Area of Interest		33.6	100.0%



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

November 21, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: SANTO NINO29 SWD FED #1

Enclosed are the results of analyses for samples received by the laboratory on 11/16/22 16:08.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-001-00.0-V-S (H225426-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.13	106	2.00	1.96		
Toluene*	<0.050	0.050	11/18/2022	ND	2.23	111	2.00	1.67		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.17	109	2.00	1.16		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.57	109	6.00	0.113		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 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	21000	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	211	106	200	4.39	
DRO >C10-C28*	13.8	10.0	11/17/2022	ND	188	93.9	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 74.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.5 % 46.3-178

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Analytical Results For:

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

Received: 11/16/2022
 Reported: 11/21/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: LEA CO., NM
 Project Location: LEA CO., NM

Sampling Date: 11/16/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-001-04.0-V-S (H225426-02)

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	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 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	2760	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	211	106	200	4.39	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	188	93.9	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 82.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.3 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-001-10.0-V-S (H225426-03)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	211	106	200	4.39	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	188	93.9	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 78.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.4 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-001-14.0-V-S (H225426-04)

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	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 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	176	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	211	106	200	4.39	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	188	93.9	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 78.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.4 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-002-00.0-V-S (H225426-05)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 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	12200	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	211	106	200	4.39	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	188	93.9	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 85.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.1 % 46.3-178

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Analytical Results For:

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

Received: 11/16/2022
 Reported: 11/21/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: LEA CO., NM
 Project Location: LEA CO., NM

Sampling Date: 11/16/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-002-01.0-V-S (H225426-06)

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	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2720	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	211	106	200	4.39	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	188	93.9	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 83.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.7 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-003-00.0-V-S (H225426-07)

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	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5120	16.0	11/17/2022	ND	416	104	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	211	106	200	4.39	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	188	93.9	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 88.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.2 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-003-01.0-V-S (H225426-08)

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	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTEX	<0.300	0.300	11/18/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4200	16.0	11/17/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 81.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.8 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-004-00.0-V-S (H225426-09)

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	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 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	10000	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 79.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.5 % 46.3-178

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



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

Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-004-01.0-V-S (H225426-10)

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	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 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	2020	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 78.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.8 % 46.3-178

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Analytical Results For:

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

Received: 11/16/2022
 Reported: 11/21/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: LEA CO., NM
 Project Location: LEA CO., NM

Sampling Date: 11/16/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-005-00.0-V-S (H225426-11)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 74.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.2 % 46.3-178

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



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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-005-01.0-V-S (H225426-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.0 % 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	1710	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 86.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.4 % 46.3-178

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



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Analytical Results For:

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

Received: 11/16/2022
 Reported: 11/21/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: LEA CO., NM
 Project Location: LEA CO., NM

Sampling Date: 11/16/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-006-00.0-V-S (H225426-13)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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	1040	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 78.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.0 % 46.3-178

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



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Analytical Results For:

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

Received: 11/16/2022
 Reported: 11/21/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: LEA CO., NM
 Project Location: LEA CO., NM

Sampling Date: 11/16/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-006-04.0-V-S (H225426-14)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 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	480	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 84.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.6 % 46.3-178

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



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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-006-10.0-V-S (H225426-15)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 83.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.9 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-006-14.0-V-S (H225426-16)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 73.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.0 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-007-00.0-V-S (H225426-17)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 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	11800	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	25.0	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 91.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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



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

Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-007-01.0-V-S (H225426-18)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2320	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 79.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.3 % 46.3-178

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Analytical Results For:

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

Received: 11/16/2022
 Reported: 11/21/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: LEA CO., NM
 Project Location: LEA CO., NM

Sampling Date: 11/16/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-008-00.0-V-S (H225426-19)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTEX	<0.300	0.300	11/18/2022	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	13800	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	29.5	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 95.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-008-04.0-V-S (H225426-20)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1900	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 78.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.1 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-008-10.0-V-S (H225426-21)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.90	94.9	2.00	5.03		
Toluene*	<0.050	0.050	11/18/2022	ND	1.89	94.6	2.00	7.10		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.78	89.1	2.00	12.8		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.46	90.9	6.00	14.1		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 78.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.0 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-008-14.0-V-S (H225426-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 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	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 80.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.8 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-009-00.0-V-S (H225426-23)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 76.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.7 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-009-01.0-V-S (H225426-24)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.6 % 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	1170	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-010-00.0-V-S (H225426-25)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 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	6660	16.0	11/17/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41		
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	191	95.7	200	3.98		
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND						

Surrogate: 1-Chlorooctane 72.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 75.0 % 46.3-178

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



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

Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-010-04.0-V-S (H225426-26)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 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	1940	16.0	11/17/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 76.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.3 % 46.3-178

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



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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-010-10.0-V-S (H225426-27)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	11/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	196	98.0	200	4.41	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	191	95.7	200	3.98	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 82.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.3 % 46.3-178

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



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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-010-14.0-V-S (H225426-28)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	11/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 80.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.7 % 46.3-178

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



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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-011-00.0-V-S (H225426-29)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	3360	16.0	11/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24		
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78		
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND						

Surrogate: 1-Chlorooctane 81.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.7 % 46.3-178

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



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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-011-04.0-V-S (H225426-30)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	624	16.0	11/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 85.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.1 % 46.3-178

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



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Analytical Results For:

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

Received: 11/16/2022
 Reported: 11/21/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: LEA CO., NM
 Project Location: LEA CO., NM

Sampling Date: 11/16/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-011-10.0-V-S (H225426-31)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	11/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 81.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.1 % 46.3-178

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



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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-011-14.0-V-S (H225426-32)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/17/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 78.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 80.4 % 46.3-178

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



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Analytical Results For:

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

Received: 11/16/2022
 Reported: 11/21/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: LEA CO., NM
 Project Location: LEA CO., NM

Sampling Date: 11/16/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-012-00.0-V-S (H225426-33)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	512	16.0	11/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 75.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.7 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-012-04.0-V-S (H225426-34)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	11/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 86.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.4 % 46.3-178

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



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

Analytical Results For:

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

Received: 11/16/2022
 Reported: 11/21/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: LEA CO., NM
 Project Location: LEA CO., NM

Sampling Date: 11/16/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-012-10.0-V-S (H225426-35)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	11/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.0 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-012-14.0-V-S (H225426-36)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 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	176	16.0	11/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 78.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.0 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-013-00.0-V-S (H225426-37)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 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	2130	16.0	11/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24		
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78		
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND						

Surrogate: 1-Chlorooctane 79.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 82.7 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-013-02.0-V-S (H225426-38)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5760	16.0	11/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 87.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.9 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-001-01.0-V-S (H225426-39)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 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	2400	16.0	11/17/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 84.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.5 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-001-02.0-V-S (H225426-40)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 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	2360	16.0	11/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 87.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.4 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-006-01.0-V-S (H225426-41)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.02	101	2.00	5.00		
Toluene*	<0.050	0.050	11/18/2022	ND	2.14	107	2.00	3.15		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	2.10	105	2.00	2.84		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	6.40	107	6.00	2.54		
Total BTX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 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	496	16.0	11/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 100 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-006-02.0-V-S (H225426-42)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.84	92.2	2.00	12.6		
Toluene*	<0.050	0.050	11/18/2022	ND	1.96	97.9	2.00	15.5		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.73	86.7	2.00	17.5		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.13	85.5	6.00	19.2		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 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	1620	16.0	11/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 99.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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



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Analytical Results For:

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

Received: 11/16/2022
 Reported: 11/21/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: LEA CO., NM
 Project Location: LEA CO., NM

Sampling Date: 11/16/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-008-01.0-V-S (H225426-43)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.84	92.2	2.00	12.6		
Toluene*	<0.050	0.050	11/18/2022	ND	1.96	97.9	2.00	15.5		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.73	86.7	2.00	17.5		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.13	85.5	6.00	19.2		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	11/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-008-02.0-V-S (H225426-44)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.84	92.2	2.00	12.6		
Toluene*	<0.050	0.050	11/18/2022	ND	1.96	97.9	2.00	15.5		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.73	86.7	2.00	17.5		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.13	85.5	6.00	19.2		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 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	160	16.0	11/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 97.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-010-01.0-V-S (H225426-45)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.84	92.2	2.00	12.6		
Toluene*	<0.050	0.050	11/18/2022	ND	1.96	97.9	2.00	15.5		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.73	86.7	2.00	17.5		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.13	85.5	6.00	19.2		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	960	16.0	11/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24		
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78		
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND						

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-010-02.0-V-S (H225426-46)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.84	92.2	2.00	12.6		
Toluene*	<0.050	0.050	11/18/2022	ND	1.96	97.9	2.00	15.5		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.73	86.7	2.00	17.5		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.13	85.5	6.00	19.2		
Total BTEx	<0.300	0.300	11/18/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1200	16.0	11/17/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-011-01.0-V-S (H225426-47)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.84	92.2	2.00	12.6		
Toluene*	<0.050	0.050	11/18/2022	ND	1.96	97.9	2.00	15.5		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.73	86.7	2.00	17.5		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.13	85.5	6.00	19.2		
Total BTEx	<0.300	0.300	11/18/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1520	16.0	11/17/2022	ND	448	112	400	3.64	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	209	104	200	2.24	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	202	101	200	2.78	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.4 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-011-02.0-V-S (H225426-48)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.84	92.2	2.00	12.6		
Toluene*	<0.050	0.050	11/18/2022	ND	1.96	97.9	2.00	15.5		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.73	86.7	2.00	17.5		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.13	85.5	6.00	19.2		
Total BTX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	11/17/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	215	108	200	11.0	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	214	107	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 90.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Analytical Results For:

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

Received: 11/16/2022
 Reported: 11/21/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: LEA CO., NM
 Project Location: LEA CO., NM

Sampling Date: 11/16/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-012-01.0-V-S (H225426-49)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.84	92.2	2.00	12.6		
Toluene*	<0.050	0.050	11/18/2022	ND	1.96	97.9	2.00	15.5		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.73	86.7	2.00	17.5		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.13	85.5	6.00	19.2		
Total BTEX	<0.300	0.300	11/18/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1280	16.0	11/17/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	215	108	200	11.0	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	214	107	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.9 % 46.3-178

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Analytical Results For:

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

Received:	11/16/2022	Sampling Date:	11/16/2022
Reported:	11/21/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-012-02.0-V-S (H225426-50)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.84	92.2	2.00	12.6		
Toluene*	<0.050	0.050	11/18/2022	ND	1.96	97.9	2.00	15.5		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.73	86.7	2.00	17.5		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.13	85.5	6.00	19.2		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	1800	16.0	11/17/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	215	108	200	11.0	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	214	107	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 92.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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*=Accredited Analyte

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



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

Analytical Results For:

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

Received: 11/16/2022
 Reported: 11/21/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: LEA CO., NM
 Project Location: LEA CO., NM

Sampling Date: 11/16/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-013-01.0-V-S (H225426-51)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	1.84	92.2	2.00	12.6		
Toluene*	<0.050	0.050	11/18/2022	ND	1.96	97.9	2.00	15.5		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.73	86.7	2.00	17.5		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.13	85.5	6.00	19.2		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 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	1250	16.0	11/17/2022	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/17/2022	ND	215	108	200	11.0	
DRO >C10-C28*	<10.0	10.0	11/17/2022	ND	214	107	200	7.51	
EXT DRO >C28-C36	<10.0	10.0	11/17/2022	ND					

Surrogate: 1-Chlorooctane 92.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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



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Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C
	Samples reported on an as received basis (wet) unless otherwise noted on report

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services				BILL TO				ANALYSIS REQUEST																							
Project Manager: Dan Dunkelberg				P.O. #:																											
Address: 8426 N Dal Paso				Company: Mewbourne Oil Co.																											
City: Hobbs		State: NM Zip: 88241		Attn: Connor Walker																											
Phone #:		Fax #:		Address:																											
Project #:		Project Owner: (see below)		City:																											
Project Name: SANTO NINO 29 SWD FED #1		dan@trinityoilfieldservices.com		State: Zip:																											
Project Location: Lea Co., NM				Phone #:																											
Sampler Name: KA				Fax #:																											
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS		GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE		TIME		Chloride		TPH		BTEX													
1		SP-001-00.0-V-S		G 1		X				11/16/2022				X		X		X													
2		SP-001-04.0-V-S		G 1		X				11/16/2022				X		X		X													
3		SP-001-10.0-V-S		G 1		X				11/16/2022				X		X		X													
4		SP-001-14.0-V-S		G 1		X				11/16/2022				X		X		X													
5		SP-002-00.0-V-S		G 1		X				11/16/2022				X		X		X													
6		SP-002-01.0-V-S		G 1		X				11/16/2022				X		X		X													
7		SP-003-00.0-V-S		G 1		X				11/16/2022				X		X		X													
8		SP-003-01.0-V-S		G 1		X				11/16/2022				X		X		X													
9		SP-004-00.0-V-S		G 1		X				11/16/2022				X		X		X													
10		SP-004-01.0-V-S		G 1		X				11/16/2022				X		X		X													
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Relinquished By:				Date: 11-16-22		Received By:				Verbal Result:		Yes		No		Add'l Phone #:															
Time: 1608										All Results are emailed. Please provide Email address:																					
Relinquished By:				Date:		Received By:				REMARKS:																					
Time:																															
Delivered By: (Circle One)				Observed Temp. °C 18.6		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:		Standard		X		Bacteria (only) Sample Condition															
Sampler - UPS - Bus - Other:				Corrected Temp. °C 18.0		Cool Intact		Yes No		Thermometer ID #113		Rush				Cool Intact Observed Temp. °C															
						Yes No		TO		Correction Factor -0.6 °C						Yes No Corrected Temp. °C															

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



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services				BILL TO				ANALYSIS REQUEST																	
Project Manager: Dan Dunkelberg				P.O. #:																					
Address: 8426 N Dal Paso				Company: Mewbourne Oil Co.																					
City: Hobbs		State: NM Zip: 88241		Attn: Connor Walker																					
Phone #:		Fax #:		Address:																					
Project #:		Project Owner: (see below)		City:																					
Project Name: SANTO NINO 29 SWD FED #1		dan@trinityoilfieldservices.com		State: Zip:																					
Project Location: Lea Co., NM				Phone #:																					
Sampler Name: KA				Fax #:																					
FOR LAB USE ONLY																									
Lab I.D.		Sample I.D.		(GRAB OR COMP. # CONTAINERS)		MATRIX		PRESERV.		SAMPLING															
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE		TIME		Chloride		TPH		BTEX							
11		SP-005-00.0-V-S		G 1		X				11/16/2022				X		X		X							
12		SP-005-01.0-V-S		G 1		X				11/16/2022				X		X		X							
13		SP-006-00.0-V-S		G 1		X				11/16/2022				X		X		X							
14		SP-006-04.0-V-S		G 1		X				11/16/2022				X		X		X							
15		SP-006-10.0-V-S		G 1		X				11/16/2022				X		X		X							
16		SP-006-14.0-V-S		G 1		X				11/16/2022				X		X		X							
17		SP-007-00.0-V-S		G 1		X				11/16/2022				X		X		X							
18		SP-007-01.0-V-S		G 1		X				11/16/2022				X		X		X							
19		SP-008-00.0-V-S		G 1		X				11/16/2022				X		X		X							
20		SP-008-04.0-V-S		G 1		X				11/16/2022				X		X		X							
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Relinquished By:				Date: 11-16-22		Received By:				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:															
				Time: 7:08						All Results are emailed. Please provide Email address:															
Relinquished By:				Date:		Received By:				REMARKS:															
				Time:																					
Delivered By: (Circle One)				Observed Temp. °C 18.6		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		Bacteria (only) Sample Condition											
Sampler - UPS - Bus - Other:				Corrected Temp. °C 18.0		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		V.O.		Thermometer ID #113				Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Observed Temp. °C									
										Correction Factor -0.6 °C						Corrected Temp. °C									

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services				BILL TO				ANALYSIS REQUEST																	
Project Manager: Jan Dunkelberg				P.O. #:																					
Address: 8426 N Dal Paso				Company: Mewbourne Oil Co.																					
City: Hobbs		State: NM Zip: 88241		Attn: Connor Walker																					
Phone #:		Fax #:		Address:																					
Project #:		Project Owner: (see below)		City:																					
Project Name: SANTO NINO 29 SWD FED #1		dan@trinityoilfieldservices.com		State: Zip:																					
Project Location: Lea Co., NM				Phone #:																					
Sampler Name: KA				Fax #:																					
FOR LAB USE ONLY																									
Lab I.D.		Sample I.D.		(GRAB OR COMP. # CONTAINERS)		MATRIX		PRESERV.		SAMPLING															
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE		TIME		Chloride		TPH		BTEX							
21		SP-008-10.0-V-S		G 1		X				11/16/2022				X		X		X							
22		SP-008-14.0-V-S		G 1		X				11/16/2022				X		X		X							
23		SP-009-00.0-V-S		G 1		X				11/16/2022				X		X		X							
24		SP-009-01.0-V-S		G 1		X				11/16/2022				X		X		X							
25		SP-010-00.0-V-S		G 1		X				11/16/2022				X		X		X							
26		SP-010-04.0-V-S		G 1		X				11/16/2022				X		X		X							
27		SP-010-10.0-V-S		G 1		X				11/16/2022				X		X		X							
28		SP-010-14.0-V-S		G 1		X				11/16/2022				X		X		X							
29		SP-011-00.0-V-S		G 1		X				11/16/2022				X		X		X							
30		SP-011-04.0-V-S		G 1		X				11/16/2022				X		X		X							
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Relinquished By:				Date: 11/16/22		Received By:				Verbal Result:				Yes		No		Add'l Phone #:							
				Time: 1008						All Results are emailed. Please provide Email address:															
Relinquished By:				Date:		Received By:				REMARKS:															
				Time:																					
Delivered By: (Circle One)				Observed Temp. °C 18.6		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:				Standard		X		Bacteria (only) Sample Condition							
Sampler - UPS - Bus - Other:				Corrected Temp. °C 18.0		Cool Intact		Yes No		Thermometer ID #113				Rush				Cool Intact Observed Temp. °C							
						Yes No		V		Correction Factor -0.5 °C								Yes No Corrected Temp. °C							

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services				BILL TO				ANALYSIS REQUEST																			
Project Manager: Dan Dunkelberg				P.O. #:																							
Address: 8426 N Dal Paso				Company: Mewbourne Oil Co.																							
City: Hobbs		State: NM Zip: 88241		Attn: Connor Walker																							
Phone #:		Fax #:		Address:																							
Project #:		Project Owner: (see below)		City:																							
Project Name: SANTO NINO 29 SWD FED #1				dan@trinityoilfieldservices.com				State:				Zip:															
Project Location: Lea Co., NM				Phone #:																							
Sampler Name: KA				Fax #:																							
FOR LAB USE ONLY																											
Lab I.D.		Sample I.D.		(GRAB OR COMPOUND)		MATRIX		PRESERV.		SAMPLING		Chloride		TPH		BTEX											
				# CONTAINERS		GROUNDWATER																					
						WASTEWATER																					
						SOIL																					
						OIL																					
						SLUDGE																					
						OTHER:																					
						ACID/BASE:																					
						ICE / COOL																					
						OTHER:																					
										DATE		TIME															
31		SP-011-10.0-V-S		G 1		X						11/16/2022				X		X		X							
32		SP-011-14.0-V-S		G 1		X						11/16/2022				X		X		X							
33		SP-012-00.0-V-S		G 1		X						11/16/2022				X		X		X							
34		SP-012-04.0-V-S		G 1		X						11/16/2022				X		X		X							
35		SP-012-10.0-V-S		G 1		X						11/16/2022				X		X		X							
36		SP-012-14.0-V-S		G 1		X						11/16/2022				X		X		X							
37		SP-013-00.0-V-S		G 1		X						11/16/2022				X		X		X							
38		SP-013-02.0-V-S		G 1		X						11/16/2022				X		X		X							
39		SP-001-01.0-V-S		G 1		X						11/16/2022				X		X		X							
40		SP-001-02.0-V-S		G 1		X						11/16/2022				X		X		X							

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Relinquished By:	Date: 11-16-22	Received By:	Verbal Result:	Yes	No	Add'l Phone #:
Time: 1608			All Results are emailed. Please provide Email address:			
Relinquished By:	Date:	Received By:	REMARKS:			
Time:						

Delivered By: (Circle One)	Observed Temp. °C 18.6	Sample Condition	CHECKED BY: (Initials)	Turnaround Time:	Standard	X	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C 18.0	Cool Intact Yes Yes No No	TO		Rush		Cool Intact Yes Yes No No
				Thermometer ID #113	Observed Temp. °C		
				Correction Factor -0.6 °C	Corrected Temp. °C		

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Released to Imaging: 6/8/2023 9:27:59 AM

Released to Imaging: 6/8/2023 9:27:59 AM



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

November 22, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: SANTO NINO29 SWD FED #1

Enclosed are the results of analyses for samples received by the laboratory on 11/17/22 15:55.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a light gray rectangular background.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	11/17/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-001-02.0-HS-P (H225445-01)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.04	102	2.00	4.20		
Toluene*	<0.050	0.050	11/18/2022	ND	2.16	108	2.00	4.45		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.98	98.9	2.00	3.58		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.94	99.1	6.00	3.79		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/18/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	201	100	200	2.33	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	195	97.5	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					

Surrogate: 1-Chlorooctane 97.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 106 % 46.3-178

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*=Accredited Analyte

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



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Analytical Results For:

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

Received: 11/17/2022
 Reported: 11/22/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: LEA CO., NM
 Project Location: LEA CO., NM

Sampling Date: 11/17/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-001-02.0-HE-P (H225445-02)

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	11/18/2022	ND	2.04	102	2.00	4.20		
Toluene*	<0.050	0.050	11/18/2022	ND	2.16	108	2.00	4.45		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.98	98.9	2.00	3.58		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.94	99.1	6.00	3.79		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 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	48.0	16.0	11/18/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	201	100	200	2.33	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	195	97.5	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 107 % 46.3-178

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



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Analytical Results For:

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

Received:	11/17/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-002-02.0-HE-P (H225445-03)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.04	102	2.00	4.20		
Toluene*	<0.050	0.050	11/18/2022	ND	2.16	108	2.00	4.45		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.98	98.9	2.00	3.58		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.94	99.1	6.00	3.79		
Total BTX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 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	11/18/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	11.3	10.0	11/18/2022	ND	201	100	200	2.33	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	195	97.5	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Analytical Results For:

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

Received:	11/17/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-003-02.0-HE-P (H225445-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2022	ND	2.04	102	2.00	4.20		
Toluene*	<0.050	0.050	11/18/2022	ND	2.16	108	2.00	4.45		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.98	98.9	2.00	3.58		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.94	99.1	6.00	3.79		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 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	11/18/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	201	100	200	2.33	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	195	97.5	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					

Surrogate: 1-Chlorooctane 108 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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



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Analytical Results For:

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

Received:	11/17/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-003-02.0-HN-P (H225445-05)

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	11/18/2022	ND	2.04	102	2.00	4.20		
Toluene*	<0.050	0.050	11/18/2022	ND	2.16	108	2.00	4.45		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.98	98.9	2.00	3.58		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.94	99.1	6.00	3.79		
Total BTX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.2 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/18/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	201	100	200	2.33	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	195	97.5	200	3.44	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					

Surrogate: 1-Chlorooctane 98.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 102 % 46.3-178

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Analytical Results For:

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

Received:	11/17/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-008-02.0-HN-P (H225445-06)

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	11/18/2022	ND	2.04	102	2.00	4.20		
Toluene*	<0.050	0.050	11/18/2022	ND	2.16	108	2.00	4.45		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.98	98.9	2.00	3.58		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.94	99.1	6.00	3.79		
Total BTEX	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 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	11/18/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	207	103	200	1.24	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	196	98.1	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					

Surrogate: 1-Chlorooctane 88.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.5 % 46.3-178

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Analytical Results For:

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

Received: 11/17/2022
 Reported: 11/22/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: LEA CO., NM
 Project Location: LEA CO., NM

Sampling Date: 11/17/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-009-02.0-HN-P (H225445-07)

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	11/18/2022	ND	2.04	102	2.00	4.20		
Toluene*	<0.050	0.050	11/18/2022	ND	2.16	108	2.00	4.45		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.98	98.9	2.00	3.58		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.94	99.1	6.00	3.79		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	11/18/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	207	103	200	1.24	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	196	98.1	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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Analytical Results For:

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

Received:	11/17/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-011-02.0-HS-P (H225445-08)

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	11/18/2022	ND	2.04	102	2.00	4.20		
Toluene*	<0.050	0.050	11/18/2022	ND	2.16	108	2.00	4.45		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.98	98.9	2.00	3.58		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.94	99.1	6.00	3.79		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 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	11/18/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	207	103	200	1.24	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	196	98.1	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					

Surrogate: 1-Chlorooctane 101 % 45.3-161

Surrogate: 1-Chlorooctadecane 110 % 46.3-178

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Analytical Results For:

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

Received:	11/17/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-012-02.0-HW-P (H225445-09)

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	11/18/2022	ND	2.04	102	2.00	4.20		
Toluene*	<0.050	0.050	11/18/2022	ND	2.16	108	2.00	4.45		
Ethylbenzene*	<0.050	0.050	11/18/2022	ND	1.98	98.9	2.00	3.58		
Total Xylenes*	<0.150	0.150	11/18/2022	ND	5.94	99.1	6.00	3.79		
Total BTEx	<0.300	0.300	11/18/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 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	11/18/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	207	103	200	1.24	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	196	98.1	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					

Surrogate: 1-Chlorooctane 109 % 45.3-161

Surrogate: 1-Chlorooctadecane 120 % 46.3-178

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Analytical Results For:

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

Received: 11/17/2022
 Reported: 11/22/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: LEA CO., NM
 Project Location: LEA CO., NM

Sampling Date: 11/17/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: SP-013-02.0-HW-P (H225445-10)

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	11/19/2022	ND	2.04	102	2.00	4.20		
Toluene*	<0.050	0.050	11/19/2022	ND	2.16	108	2.00	4.45		
Ethylbenzene*	<0.050	0.050	11/19/2022	ND	1.98	98.9	2.00	3.58		
Total Xylenes*	<0.150	0.150	11/19/2022	ND	5.94	99.1	6.00	3.79		
Total BTEX	<0.300	0.300	11/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 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	48.0	16.0	11/18/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	207	103	200	1.24	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	196	98.1	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					

Surrogate: 1-Chlorooctane 111 % 45.3-161

Surrogate: 1-Chlorooctadecane 121 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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



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

Analytical Results For:

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

Received:	11/17/2022	Sampling Date:	11/17/2022
Reported:	11/22/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	** (See Notes)
Project Number:	LEA CO., NM	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO., NM		

Sample ID: SP-013-02.0-HN-P (H225445-11)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/19/2022	ND	2.04	102	2.00	4.20		
Toluene*	<0.050	0.050	11/19/2022	ND	2.16	108	2.00	4.45		
Ethylbenzene*	<0.050	0.050	11/19/2022	ND	1.98	98.9	2.00	3.58		
Total Xylenes*	<0.150	0.150	11/19/2022	ND	5.94	99.1	6.00	3.79		
Total BTX	<0.300	0.300	11/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 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	11/18/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/18/2022	ND	207	103	200	1.24	
DRO >C10-C28*	<10.0	10.0	11/18/2022	ND	196	98.1	200	2.21	
EXT DRO >C28-C36	<10.0	10.0	11/18/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 111 % 46.3-178

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



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services				BILL TO				ANALYSIS REQUEST																							
Project Manager: Dan Dunkelberg				P.O. #:																											
Address: 8426 N Dal Paso				Company: Mewbourne Oil Co.																											
City: Hobbs		State: NM Zip: 88241		Attn: Connor Walker																											
Phone #:		Fax #:		Address:																											
Project #:		Project Owner: (see below)		City:																											
Project Name: SANTO NINO 29 SWD FED #1		dan@trinityoilfieldservices.com		State:		Zip:																									
Project Location: Lea Co., NM				Phone #:																											
Sampler Name: KA				Fax #:																											
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS		GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE		TIME		Chloride		TPH		BTEX													
1		SP-001-02.0-HS-P		G 1		X				11/17/2022				X		X		X													
2		SP-001-02.0-HE-P		G 1		X				11/17/2022				X		X		X													
3		SP-002-02.0-HE-P		G 1		X				11/17/2022				X		X		X													
4		SP-003-02.0-HE-P		G 1		X				11/17/2022				X		X		X													
5		SP-003-02.0-HN-P		G 1		X				11/17/2022				X		X		X													
6		SP-008-02.0-HN-P		G 1		X				11/17/2022				X		X		X													
7		SP-009-02.0-HN-P		G 1		X				11/17/2022				X		X		X													
8		SP-011-02.0-HS-P		G 1		X				11/17/2022				X		X		X													
9		SP-012-02.0-HW-S		G 1		X				11/17/2022				X		X		X													
10		SP-013-02.0-HW-P		G 1		X				11/17/2022				X		X		X													
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Relinquished By:				Date: 11-17-22		Received By:				Verbal Result:		Yes		No		Add'l Phone #:															
Time: 1555																All Results are emailed. Please provide Email address:															
Relinquished By:				Date:		Received By:				REMARKS:																					
Time:																															
Delivered By: (Circle One)				Observed Temp. °C 14.6		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:		Standard		X		Bacteria (only) Sample Condition															
Sampler - UPS - Bus - Other:				Corrected Temp. °C 14.0		Cool Intact		TO		Thermometer ID #113		Rush				Cool Intact Observed Temp. °C															
						Yes No				Correction Factor -0.6 °C						Yes No Corrected Temp. °C															

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

Released to Imaging: 6/8/2023 9:27:59 AM



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

December 20, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: SANTO NINO29 SWD FED #1

Enclosed are the results of analyses for samples received by the laboratory on 12/15/22 15:38.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	12/15/2022	Sampling Date:	12/14/2022
Reported:	12/20/2022	Sampling Type:	Soil
Project Name:	SANTO NINO29 SWD FED #1	Sampling Condition:	Cool & Intact
Project Number:	NOT GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	MEWBOURNE - LEA CO., NM		

Sample ID: CF-001-00.3-NA-S (H225935-01)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2022	ND	2.15	107	2.00	2.13		
Toluene*	<0.050	0.050	12/19/2022	ND	2.24	112	2.00	2.45		
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.28	114	2.00	2.40		
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.78	113	6.00	2.18		
Total BTEX	<0.300	0.300	12/19/2022	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	1760	16.0	12/19/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	102	200	3.28	
DRO >C10-C28*	<10.0	10.0	12/19/2022	ND	178	89.1	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 116 % 45.3-161

Surrogate: 1-Chlorooctadecane 132 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-002-00.3-NA-S (H225935-02)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2022	ND	2.19	109	2.00	4.59	
Toluene*	<0.050	0.050	12/20/2022	ND	2.24	112	2.00	3.04	
Ethylbenzene*	<0.050	0.050	12/20/2022	ND	2.22	111	2.00	3.86	
Total Xylenes*	<0.150	0.150	12/20/2022	ND	6.83	114	6.00	3.84	
Total BTX	<0.300	0.300	12/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	784	16.0	12/19/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	102	200	3.28	
DRO >C10-C28*	<10.0	10.0	12/19/2022	ND	178	89.1	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 86.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-003-00.3-NA-S (H225935-03)

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	12/20/2022	ND	2.19	109	2.00	4.59	
Toluene*	<0.050	0.050	12/20/2022	ND	2.24	112	2.00	3.04	
Ethylbenzene*	<0.050	0.050	12/20/2022	ND	2.22	111	2.00	3.86	
Total Xylenes*	<0.150	0.150	12/20/2022	ND	6.83	114	6.00	3.84	
Total BTEX	<0.300	0.300	12/20/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	1860	16.0	12/19/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	102	200	3.28	
DRO >C10-C28*	<10.0	10.0	12/19/2022	ND	178	89.1	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 87.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-004-00.3-NA-S (H225935-04)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2022	ND	2.19	109	2.00	4.59	
Toluene*	<0.050	0.050	12/20/2022	ND	2.24	112	2.00	3.04	
Ethylbenzene*	<0.050	0.050	12/20/2022	ND	2.22	111	2.00	3.86	
Total Xylenes*	<0.150	0.150	12/20/2022	ND	6.83	114	6.00	3.84	
Total BTEX	<0.300	0.300	12/20/2022	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	3080	16.0	12/19/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	102	200	3.28	
DRO >C10-C28*	<10.0	10.0	12/19/2022	ND	178	89.1	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 83.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.7 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-005-00.3-NA-S (H225935-05)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/20/2022	ND	2.19	109	2.00	4.59	
Toluene*	<0.050	0.050	12/20/2022	ND	2.24	112	2.00	3.04	
Ethylbenzene*	<0.050	0.050	12/20/2022	ND	2.22	111	2.00	3.86	
Total Xylenes*	<0.150	0.150	12/20/2022	ND	6.83	114	6.00	3.84	
Total BTEX	<0.300	0.300	12/20/2022	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	352	16.0	12/19/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	102	200	3.28	
DRO >C10-C28*	152	10.0	12/19/2022	ND	178	89.1	200	1.63	
EXT DRO >C28-C36	31.7	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 90.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-006-00.3-NA-S (H225935-06)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2022	ND	2.08	104	2.00	1.31	
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492	
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87	
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51	
Total BTX	<0.300	0.300	12/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	352	16.0	12/19/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	102	200	3.28	
DRO >C10-C28*	139	10.0	12/19/2022	ND	178	89.1	200	1.63	
EXT DRO >C28-C36	29.8	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 89.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 113 % 46.3-178

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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-007-00.3-NA-S (H225935-07)

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	12/19/2022	ND	2.08	104	2.00	1.31		
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492		
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87		
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51		
Total BTEX	<0.300	0.300	12/19/2022	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	368	16.0	12/19/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	102	200	3.28	
DRO >C10-C28*	51.0	10.0	12/19/2022	ND	178	89.1	200	1.63	
EXT DRO >C28-C36	10.3	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 91.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 103 % 46.3-178

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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-008-00.3-NA-S (H225935-08)

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	12/19/2022	ND	2.08	104	2.00	1.31	
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492	
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87	
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/19/2022	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	416	16.0	12/19/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	102	200	3.28	
DRO >C10-C28*	81.6	10.0	12/19/2022	ND	178	89.1	200	1.63	
EXT DRO >C28-C36	17.6	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 89.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-009-00.3-NA-S (H225935-09)

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	12/19/2022	ND	2.08	104	2.00	1.31	
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492	
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87	
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	3440	16.0	12/19/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	102	200	3.28	
DRO >C10-C28*	<10.0	10.0	12/19/2022	ND	178	89.1	200	1.63	
EXT DRO >C28-C36	<10.0	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 95.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 105 % 46.3-178

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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-010-00.3-NA-S (H225935-10)

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	12/19/2022	ND	2.08	104	2.00	1.31		
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492		
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87		
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51		
Total BTEX	<0.300	0.300	12/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	12/19/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	102	200	3.28	
DRO >C10-C28*	85.0	10.0	12/19/2022	ND	178	89.1	200	1.63	
EXT DRO >C28-C36	15.3	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 98.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 118 % 46.3-178

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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-011-00.3-NA-S (H225935-11)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2022	ND	2.08	104	2.00	1.31	
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492	
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87	
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6320	16.0	12/19/2022	ND	416	104	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	103	200	2.29	
DRO >C10-C28*	<10.0	10.0	12/19/2022	ND	187	93.3	200	0.112	
EXT DRO >C28-C36	<10.0	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 75.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.6 % 46.3-178

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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-012-00.3-NA-S (H225935-12)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2022	ND	2.08	104	2.00	1.31		
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492		
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87		
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51		
Total BTEx	<0.300	0.300	12/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	9040	16.0	12/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	103	200	2.29	
DRO >C10-C28*	<10.0	10.0	12/19/2022	ND	187	93.3	200	0.112	
EXT DRO >C28-C36	<10.0	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 80.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.9 % 46.3-178

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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-013-00.3-NA-S (H225935-13)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2022	ND	2.08	104	2.00	1.31	
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492	
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87	
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	400	16.0	12/19/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	103	200	2.29	
DRO >C10-C28*	180	10.0	12/19/2022	ND	187	93.3	200	0.112	
EXT DRO >C28-C36	38.1	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 82.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 101 % 46.3-178

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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-014-00.3-NA-S (H225935-14)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2022	ND	2.08	104	2.00	1.31	
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492	
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87	
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	336	16.0	12/19/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	103	200	2.29	
DRO >C10-C28*	222	10.0	12/19/2022	ND	187	93.3	200	0.112	
EXT DRO >C28-C36	51.9	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 78.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-015-00.3-NA-S (H225935-15)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2022	ND	2.08	104	2.00	1.31		
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492		
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87		
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51		
Total BTEx	<0.300	0.300	12/19/2022	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	400	16.0	12/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	103	200	2.29	
DRO >C10-C28*	189	10.0	12/19/2022	ND	187	93.3	200	0.112	
EXT DRO >C28-C36	44.5	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 84.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 104 % 46.3-178

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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-016-00.3-NA-S (H225935-16)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2022	ND	2.08	104	2.00	1.31	
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492	
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87	
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51	
Total BTX	<0.300	0.300	12/19/2022	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	352	16.0	12/19/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	103	200	2.29	
DRO >C10-C28*	194	10.0	12/19/2022	ND	187	93.3	200	0.112	
EXT DRO >C28-C36	47.0	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 86.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 108 % 46.3-178

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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-017-00.3-NA-S (H225935-17)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/19/2022	ND	2.08	104	2.00	1.31		
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492		
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87		
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51		
Total BTEX	<0.300	0.300	12/19/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	12/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	103	200	2.29	
DRO >C10-C28*	<10.0	10.0	12/19/2022	ND	187	93.3	200	0.112	
EXT DRO >C28-C36	<10.0	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 62.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 66.8 % 46.3-178

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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-018-00.3-NA-S (H225935-18)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2022	ND	2.08	104	2.00	1.31	
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492	
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87	
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51	
Total BTX	<0.300	0.300	12/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	5880	16.0	12/19/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	103	200	2.29	
DRO >C10-C28*	<10.0	10.0	12/19/2022	ND	187	93.3	200	0.112	
EXT DRO >C28-C36	<10.0	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 92.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 100 % 46.3-178

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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-019-00.3-NA-S (H225935-19)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2022	ND	2.08	104	2.00	1.31	
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492	
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87	
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51	
Total BTEx	<0.300	0.300	12/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	4320	16.0	12/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	205	103	200	2.29	
DRO >C10-C28*	<10.0	10.0	12/19/2022	ND	187	93.3	200	0.112	
EXT DRO >C28-C36	<10.0	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 72.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 77.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-020-00.3-NA-S (H225935-20)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2022	ND	2.08	104	2.00	1.31	
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492	
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87	
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	2480	16.0	12/19/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	226	113	200	12.0	
DRO >C10-C28*	<10.0	10.0	12/19/2022	ND	242	121	200	15.3	
EXT DRO >C28-C36	<10.0	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 76.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.4 % 46.3-178

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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-021-00.3-NA-S (H225935-21)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2022	ND	2.08	104	2.00	1.31	
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492	
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87	
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51	
Total BTEx	<0.300	0.300	12/19/2022	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	2240	16.0	12/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	226	113	200	12.0	
DRO >C10-C28*	<10.0	10.0	12/19/2022	ND	242	121	200	15.3	
EXT DRO >C28-C36	<10.0	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 85.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-022-00.3-NA-S (H225935-22)

BTEX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2022	ND	2.08	104	2.00	1.31	
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492	
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87	
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/19/2022	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	4040	16.0	12/19/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	226	113	200	12.0	
DRO >C10-C28*	<10.0	10.0	12/19/2022	ND	242	121	200	15.3	
EXT DRO >C28-C36	<10.0	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 107 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-023-00.3-NA-S (H225935-23)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2022	ND	2.08	104	2.00	1.31	
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492	
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87	
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/19/2022	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	1200	16.0	12/19/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	226	113	200	12.0	
DRO >C10-C28*	<10.0	10.0	12/19/2022	ND	242	121	200	15.3	
EXT DRO >C28-C36	<10.0	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 71.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 78.1 % 46.3-178

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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-024-00.3-NA-S (H225935-24)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2022	ND	2.08	104	2.00	1.31	
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492	
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87	
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51	
Total BTEx	<0.300	0.300	12/19/2022	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	4560	16.0	12/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2022	ND	226	113	200	12.0	
DRO >C10-C28*	<10.0	10.0	12/20/2022	ND	242	121	200	15.3	
EXT DRO >C28-C36	<10.0	10.0	12/20/2022	ND					

Surrogate: 1-Chlorooctane 78.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-025-00.3-NA-S (H225935-25)

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/19/2022	ND	2.08	104	2.00	1.31	
Toluene*	<0.050	0.050	12/19/2022	ND	2.10	105	2.00	0.492	
Ethylbenzene*	<0.050	0.050	12/19/2022	ND	2.07	103	2.00	1.87	
Total Xylenes*	<0.150	0.150	12/19/2022	ND	6.35	106	6.00	1.51	
Total BTEX	<0.300	0.300	12/19/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	2020	16.0	12/19/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2022	ND	226	113	200	12.0	
DRO >C10-C28*	<10.0	10.0	12/20/2022	ND	242	121	200	15.3	
EXT DRO >C28-C36	<10.0	10.0	12/20/2022	ND					

Surrogate: 1-Chlorooctane 74.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-026-00.3-NA-S (H225935-26)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2022	ND	2.16	108	2.00	5.09		
Toluene*	<0.050	0.050	12/20/2022	ND	2.25	112	2.00	4.74		
Ethylbenzene*	<0.050	0.050	12/20/2022	ND	2.29	115	2.00	4.92		
Total Xylenes*	<0.150	0.150	12/20/2022	ND	6.94	116	6.00	5.24		
Total BTEX	<0.300	0.300	12/20/2022	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	2100	16.0	12/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2022	ND	226	113	200	12.0	
DRO >C10-C28*	<10.0	10.0	12/20/2022	ND	242	121	200	15.3	
EXT DRO >C28-C36	<10.0	10.0	12/20/2022	ND					

Surrogate: 1-Chlorooctane 76.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.2 % 46.3-178

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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CF-027-00.3-NA-S (H225935-27)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2022	ND	2.16	108	2.00	5.09		
Toluene*	<0.050	0.050	12/20/2022	ND	2.25	112	2.00	4.74		
Ethylbenzene*	<0.050	0.050	12/20/2022	ND	2.29	115	2.00	4.92		
Total Xylenes*	<0.150	0.150	12/20/2022	ND	6.94	116	6.00	5.24		
Total BTEx	<0.300	0.300	12/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	3800	16.0	12/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2022	ND	226	113	200	12.0	
DRO >C10-C28*	<10.0	10.0	12/20/2022	ND	242	121	200	15.3	
EXT DRO >C28-C36	<10.0	10.0	12/20/2022	ND					

Surrogate: 1-Chlorooctane 80.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP-014-00.0-V-S (H225935-28)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2022	ND	2.16	108	2.00	5.09		
Toluene*	<0.050	0.050	12/20/2022	ND	2.25	112	2.00	4.74		
Ethylbenzene*	<0.050	0.050	12/20/2022	ND	2.29	115	2.00	4.92		
Total Xylenes*	<0.150	0.150	12/20/2022	ND	6.94	116	6.00	5.24		
Total BTEx	<0.300	0.300	12/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	848	16.0	12/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2022	ND	226	113	200	12.0	
DRO >C10-C28*	33.7	10.0	12/20/2022	ND	242	121	200	15.3	
EXT DRO >C28-C36	11.9	10.0	12/20/2022	ND					

Surrogate: 1-Chlorooctane 82.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.4 % 46.3-178

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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP-015-00.0-V-S (H225935-29)

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	12/20/2022	ND	2.16	108	2.00	5.09		
Toluene*	<0.050	0.050	12/20/2022	ND	2.25	112	2.00	4.74		
Ethylbenzene*	<0.050	0.050	12/20/2022	ND	2.29	115	2.00	4.92		
Total Xylenes*	<0.150	0.150	12/20/2022	ND	6.94	116	6.00	5.24		
Total BTX	<0.300	0.300	12/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	12/19/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/20/2022	ND	226	113	200	12.0	
DRO >C10-C28*	14.8	10.0	12/20/2022	ND	242	121	200	15.3	
EXT DRO >C28-C36	<10.0	10.0	12/20/2022	ND					

Surrogate: 1-Chlorooctane 67.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 74.5 % 46.3-178

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Analytical Results For:

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

Received: 12/15/2022
 Reported: 12/20/2022
 Project Name: SANTO NINO29 SWD FED #1
 Project Number: NOT GIVEN
 Project Location: MEWBOURNE - LEA CO., NM

Sampling Date: 12/14/2022
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SP-016-00.0-V-S (H225935-30)

BTEX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/20/2022	ND	2.16	108	2.00	5.09		
Toluene*	<0.050	0.050	12/20/2022	ND	2.25	112	2.00	4.74		
Ethylbenzene*	<0.050	0.050	12/20/2022	ND	2.29	115	2.00	4.92		
Total Xylenes*	<0.150	0.150	12/20/2022	ND	6.94	116	6.00	5.24		
Total BTEX	<0.300	0.300	12/20/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	176	16.0	12/19/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/19/2022	ND	227	113	200	3.13	
DRO >C10-C28*	<10.0	10.0	12/19/2022	ND	217	109	200	5.23	
EXT DRO >C28-C36	<10.0	10.0	12/19/2022	ND					

Surrogate: 1-Chlorooctane 94.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.2 % 46.3-178

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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-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

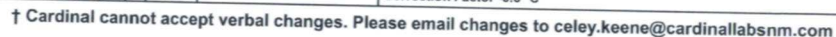
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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager

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





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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services				BILL TO				ANALYSIS REQUEST											
Project Manager: Dan Dunkelberg				P.O. #:															
Address: 8426 N Dal Paso				Company: Mewbourne Oil Co.															
City: Hobbs		State: NM Zip: 88241		Attn: Connor Walker															
Phone #:		Fax #:		Address:															
Project #:		Project Owner: (see below)		City:															
Project Name: SANTO NINO 29 SWD FED #1		dan@trinityoilfieldservices.com		State: Zip:															
Project Location: Lea Co., NM				Phone #:															
Sampler Name: LB				Fax #:															
FOR LAB USE ONLY				MATRIX				PRESERV.				SAMPLING							
				GROUNDWATER				ACID/BASE:											
				WASTEWATER				ICE / COOL											
				SOIL				OTHER:											
				SLUDGE				OTHER:											
				OTHER:															
Lab I.D.		Sample I.D.		(GRAB OR (C)OMP.		# CONTAINERS		DATE		TIME		Chloride		TPH		BTEX			
21		CF-021-00.3-NA-S		C 1		X		12/14/2022				X		X		X			
22		CF-022-00.3-NA-S		C 1		X		12/14/2022				X		X		X			
23		CF-023-00.3-NA-S		C 1		X		12/14/2022				X		X		X			
24		CF-024-00.3-NA-S		C 1		X		12/14/2022				X		X		X			
25		CF-025-00.3-NA-S		C 1		X		12/14/2022				X		X		X			
26		CF-026-00.3-NA-S		C 1		X		12/14/2022				X		X		X			
27		CF-027-00.3-NA-S		C 1		X		12/14/2022				X		X		X			
28		SP-014-00.0-V-S		G 1		X		12/14/2022				X		X		X			
29		SP-015-00.0-V-S		G 1		X		12/14/2022				X		X		X			
30		SP-016-00.0-V-S		G 1		X		12/14/2022				X		X		X			

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Relinquished By:		Date: 12-15-22		Received By:		Verbal Result:		Yes		No		Add'l Phone #:	
Time: 1538						All Results are emailed. Please provide Email address:							
Relinquished By:		Date:		Received By:		REMARKS:							
Time:													

Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY:		Turnaround Time:		Standard		Bacteria (only) Sample Condition	
Sampler - UPS - Bus - Other:		-5.8		Cool Intact		(Initials)				Rush		Cool Intact	
		Corrected Temp. °C		Yes Yes		TO		Thermometer ID #113				Observed Temp. °C	
		-6.4		No No				Correction Factor -0.6 °C				Corrected Temp. °C	

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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 225340

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 225340
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2220137198 SANTO NINO 29 SWD FED #1, thank you. This closure is approved.	6/8/2023