

Incident ID	NAB1908534289
District RP	
Facility ID	
Application ID	

Site Assessment/Characterization

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

What is the shallowest depth to groundwater beneath the area affected by the release?	> 102 (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.

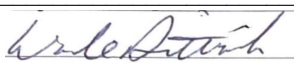
Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ 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.

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

Printed Name: Wade DittrichTitle: Environmental CoordinatorSignature: Date: 01/24/2023email: Wade_Dittrich@oxy.comTelephone: 575-390-2828**OCD Only**Received by: Jocelyn HarimonDate: 02/13/2023

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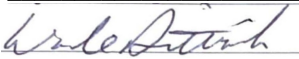
Closure

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

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

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


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

Printed Name: Wade DittrichTitle: Environmental CoordinatorSignature: Date: 01/24/2023email: Wade_Dittrich@oxy.comTelephone: 575-390-2828

OCD Only

Received by: Jocelyn HarimonDate: 02/13/2023

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: 02/23/2023Printed Name: Jennifer NobuiTitle: Environmental Specialist A

Trinity Oilfield Services & Rentals, LLC



January 24th, 2023

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

Re: **Closure Request**
West Dollarhide Devonian Unit #122
Tracking #: NAB1908534289

Trinity Oilfield Services (Trinity), on behalf of OXY USA, Inc., 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	NAB1908534289
Site Name	West Dollarhide Devonian Unit #122
Company	OXY USA, Inc.
County	Lea
ULSTR	L-33-24S-38E
GPS Coordinates (NAD 83)	32.172695,-103.071147
Landowner	State

HISTORICAL RELEASE BACKGROUND

On 12/7/2017, OXY USA, Inc. reported a release at the West Dollarhide Devonian Unit #122. The release was caused by a failure of a 1/2" valve on strainer. Approximately 6,091 sqft. of the Pad was found to be damp upon initial inspection.

Release Information	
Date of Release	12/7/2017
Type of Release	Produced Water
Source of Release	Equipment Failure
Volume Released – Produced Water	20 bbls
Volume Recovered – Produced Water	0 bbls
Volume Released – Crude Oil	0 bbls
Volume Recovered – Crude Oil	0 bbls
Affected Area – Damp Soil	Pad - Approximately 6,091 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-04	9/7/2022	102'

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 09/05/2022, Trinity was onsite to drill a groundwater determination borehole (SB-04) to 102' 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 102' below surface at the borehole location (32.172523, -103.070724). The driller log is attached for reference.

General Site Characterization:

Site Assessment	
Karst Potential	Low
Distance to Watercourse	400 ft. to Wetland
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	12/15/2017 & 02/11/2019
Depths Sampled	6" - 1.5'
Delineation Map	Attached
Laboratory Results	Table 1

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

Confirmation Activities:

Remediation Summary	
Remediation Dates	11/22/2022
Liner Variance Request	None
Deferral Request	None
Depths Excavated	3" - 6"
Area Represented by the required 5-point Confirmation Samples – Floors and Walls	200 sqft.
Total Volume of Excavated Soil	68 yards
Remediation Map	Attached
Laboratory Results	Table 2

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

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

SITE RECLAMATION AND RESTORATION

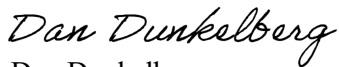
Areas affected by the release and the associated remediation activities were restored to a condition that existed before the release to the extent practicable. The affected area was contoured and/or compacted to provide erosion control, stability, and preservation of surface water flow. Affected areas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

REQUEST FOR CLOSURE

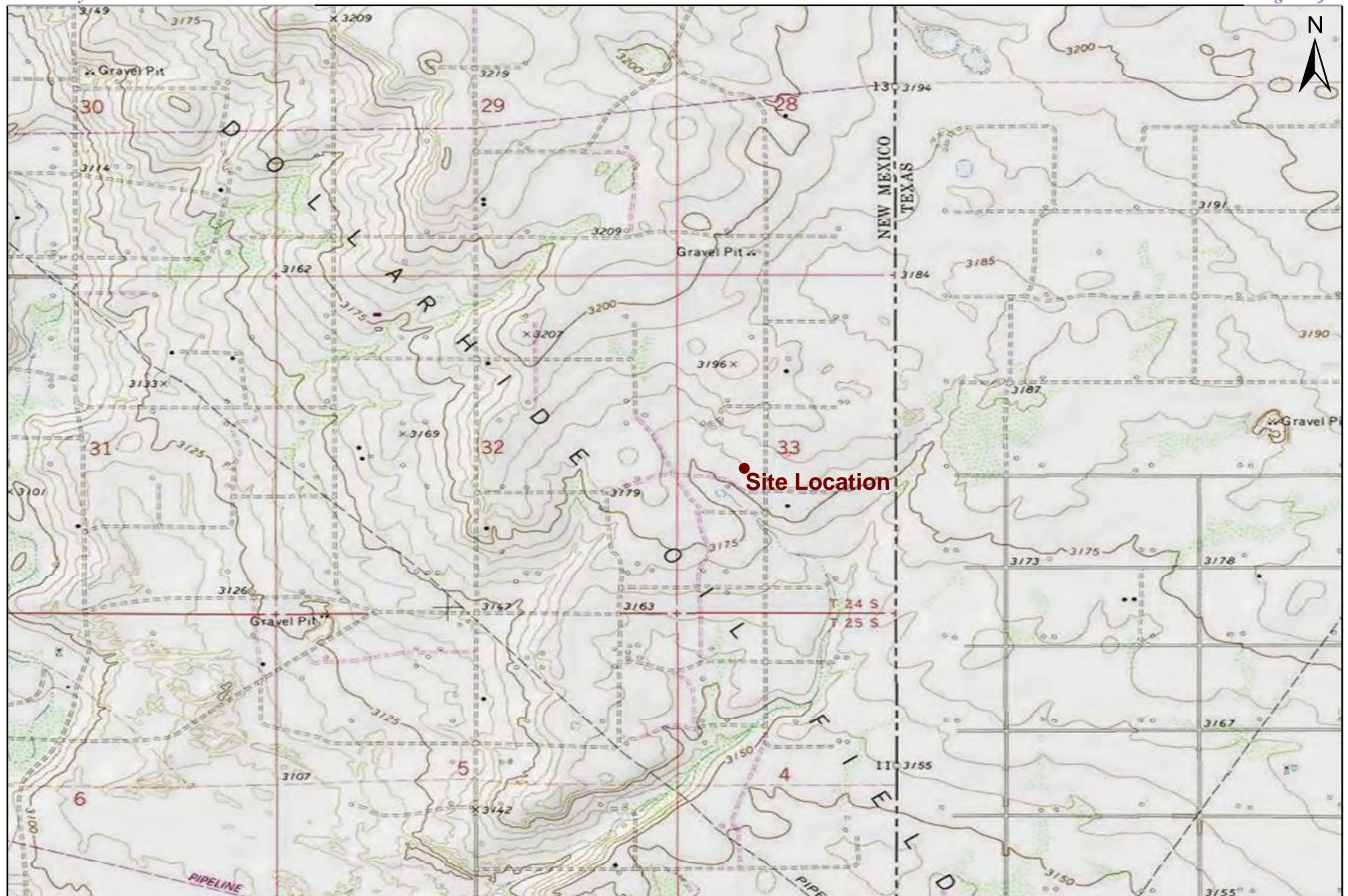
Supporting Documentation	
C-141 page 6	Signed and Attached
Delineation and Remediation Maps	Attached
Depth to Groundwater Maps and Source	Attached
US NWI Map	Attached
FEMA Flood Hazard Map	Attached
USDA Soil Survey	Attached
Site Photography	Attached
Laboratory Analytics with COCs	Attached

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

Sincerely,



Dan Dunkelberg
Project Manager



2,000 1,000 0 2,000
Distance in Feet

Figure 1
Site Location Map
OXY USA, Inc.
West Dollarhide Devonian Unit #122
Lea County, New Mexico
NMOCD Reference #: 1RP-5402






Trinity Oilfield Services & Rentals, LLC
P.O. Box 2587
Hobbs, NM 88241

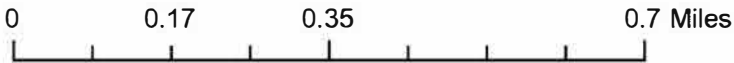
Drawn By: BJA	Checked By: JEH
March 1, 2019	Scale: 1" = 2,000'



Legend:

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

Soil Bore Map
OXY USA, Inc.
West Dollarhide Devonian Unit
Lea County, New Mexico
32.172695,-103.071147
NMOCD Reference # NAB1908534289





Soil Bore Log SB-04

PROJECT NAME WDDU #122		DRILLING DATE 09/07/2022	COORDINATES 32.172523, -103.070724
CLIENT OXY USA. Inc.		TOTAL DEPTH 102'	COORD SYS NAD 83
			ULSTR L-33-24S-38E
			SURFACE ELEVATION 3185
COMMENTS Spud on the East Side of the WDDU #122 Well Pad.			LOGGED BY CJ
			CHECKED BY DD
Depth (ft)	Moisture	Material Description	Elevation (FT)
5	D	Very Pale Brown (10YR 8/3) Sandy Clay Loam. Dry	3180
10		Very Pale Brown (10YR 8/4) Sandy Loam. Dry	3175
15			3170
20		Reddish Yellow (7.5YR 7/6) Sandy Loam. Dry	3165
25		Reddish Yellow (7.5YR 6/6) Sandy Loam. Dry	3160
30		Reddish Yellow (7.5YR 7/6) Sandy Loam. Dry	3155
35			3150
40		Reddish Yellow (7.5YR 6/6) Sandy Loam. Dry	3145
45		Reddish Yellow (7.5YR 7/6) Sandy Loam. Dry	3140
50		Reddish Yellow (7.5YR 6/6) Sandy Loam. Dry	3135
55		Reddish Yellow (7.5YR 7/6) Sandy Loam. Dry	3130
60		Reddish Yellow (7.5YR 6/6) Sandy Loam. Dry	3125
65			3120
70			3115
75		Reddish Yellow (7.5YR 6/6) Sandy Clay Loam. Dry	3110
80			3105
85			3100
90			3095
95			3090
100			3085
105		Termination Depth at:102 ft	3080

Disclaimer This bore log is intended to evidence a depth to groundwater greater than 102'.

Page 1 of 1

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

OXY USA, INC.
WEST DOLLARHIDE DEVONIAN UNIT #122
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #: 1RP-5402



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					EPA 300
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/kg)	MRO C ₂₈ -C ₃₅ (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Closure Limits					10	NE	NE	NE	NE	NE	50	NE	NE	1,000	NE	2,500	20,000
SP-1 @ 6"	6"	12/15/2017	Grab (Auger)	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	56.9
SP-1 @ 1.5'	1.5'	2/11/2019	Grab (Trench)	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	531	531	137	668	89.6
SP-2 @ 6"	6"	12/15/2017	Grab (Auger)	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	106
SP-2 @ 1.5'	1.5'	2/11/2019	Grab (Trench)	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	7.65
SP-3 @ 6"	6"	12/15/2017	Grab (Auger)	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	<4.94
SP-3 @ 1.5'	1.5'	2/11/2019	Grab (Trench)	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	<14.9	119
SP-4 @ 6"	6"	12/15/2017	Grab (Auger)	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	59.1
SP-4 @ 1.5'	1.5'	2/11/2019	Grab (Trench)	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	244
SP-5 @ 6"	6"	12/15/2017	Grab (Auger)	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	4,970
SP-5 @ 1.5'	1.5'	2/11/2019	Grab (Trench)	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	<14.9	<14.9	<14.9	<14.9	319
SP-6 @ 6"	6"	12/15/2017	Grab (Auger)	In-Situ	<0.0020	0.00223	<0.0020	0.0265	0.0101	0.0366	0.0388	<15.0	925	925	371	1,300	15.0
SP-6 @ 1.5'	1.5'	2/11/2019	Grab (Trench)	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	247
SP-7 @ 6"	6"	12/15/2017	Grab (Auger)	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	0.00224	0.00224	0.00224	<15.0	<15.0	<15.0	<15.0	<15.0	<4.93
SP-7 @ 1.5'	1.5'	2/11/2019	Grab (Trench)	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	8.90
SP-8 @ 6"	6"	12/15/2017	Grab (Auger)	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	1,070
SP-8 @ 1.5'	1.5'	2/11/2019	Grab (Trench)	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	149
SP-9 @ 6"	6"	12/15/2017	Grab (Auger)	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	68.6
SP-9 @ 1.5'	1.5'	2/11/2019	Grab (Trench)	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	<15.0	<15.0	<15.0	<15.0	294

NE = Not established

- = Not analyzed

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

CHLORIDE FIELD TESTS

OXY USA, INC.
 WEST DOLLARHIDE DEVONIAN UNIT #122
 LEA COUNTY, NEW MEXICO
 NMOCD REFERENCE #: 1RP-5402



SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	HACH QUANTAB
					CHLORIDE (mg/Kg)
NMOCD Closure Limit (mg/kg)					20,000
SP-1 @ 6"	6"	12/15/2017	Grab (Auger)	In-Situ	116
SP-1 @ 1.5'	1.5'	2/11/2019	Grab (Trench)	In-Situ	140
SP-2 @ 6"	6"	12/15/2017	Grab (Auger)	In-Situ	136
SP-2 @ 1.5'	1.5'	2/11/2019	Grab (Trench)	In-Situ	<128
SP-3 @ 6"	6"	12/15/2017	Grab (Auger)	In-Situ	<116
SP-3 @ 1.5'	1.5'	2/11/2019	Grab (Trench)	In-Situ	196
SP-4 @ 6"	6"	12/15/2017	Grab (Auger)	In-Situ	512
SP-4 @ 1.5'	1.5'	2/11/2019	Grab (Trench)	In-Situ	292
SP-5 @ 6"	6"	12/15/2017	Grab (Auger)	In-Situ	4,768
SP-5 @ 1.5'	1.5'	2/11/2019	Grab (Trench)	In-Situ	404
SP-6 @ 6"	6"	12/15/2017	Grab (Auger)	In-Situ	<116
SP-6 @ 1.5'	1.5'	2/11/2019	Grab (Trench)	In-Situ	328
SP-7 @ 6"	6"	12/15/2017	Grab (Auger)	In-Situ	<116
SP-7 @ 1.5'	1.5'	2/11/2019	Grab (Trench)	In-Situ	<128
SP-8 @ 6"	6"	12/15/2017	Grab (Auger)	In-Situ	908
SP-8 @ 1.5'	1.5'	2/11/2019	Grab (Trench)	In-Situ	196
SP-9 @ 6"	6"	12/15/2017	Grab (Auger)	In-Situ	116
SP-9 @ 1.5'	1.5'	2/11/2019	Grab (Trench)	In-Situ	488

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

OXY USA, INC.
WEST DOLLARHIDE DEVONIAN UNIT #122
LEA COUNTY, NEW MEXICO
NMOCD REFERENCE #: NAB1908534289

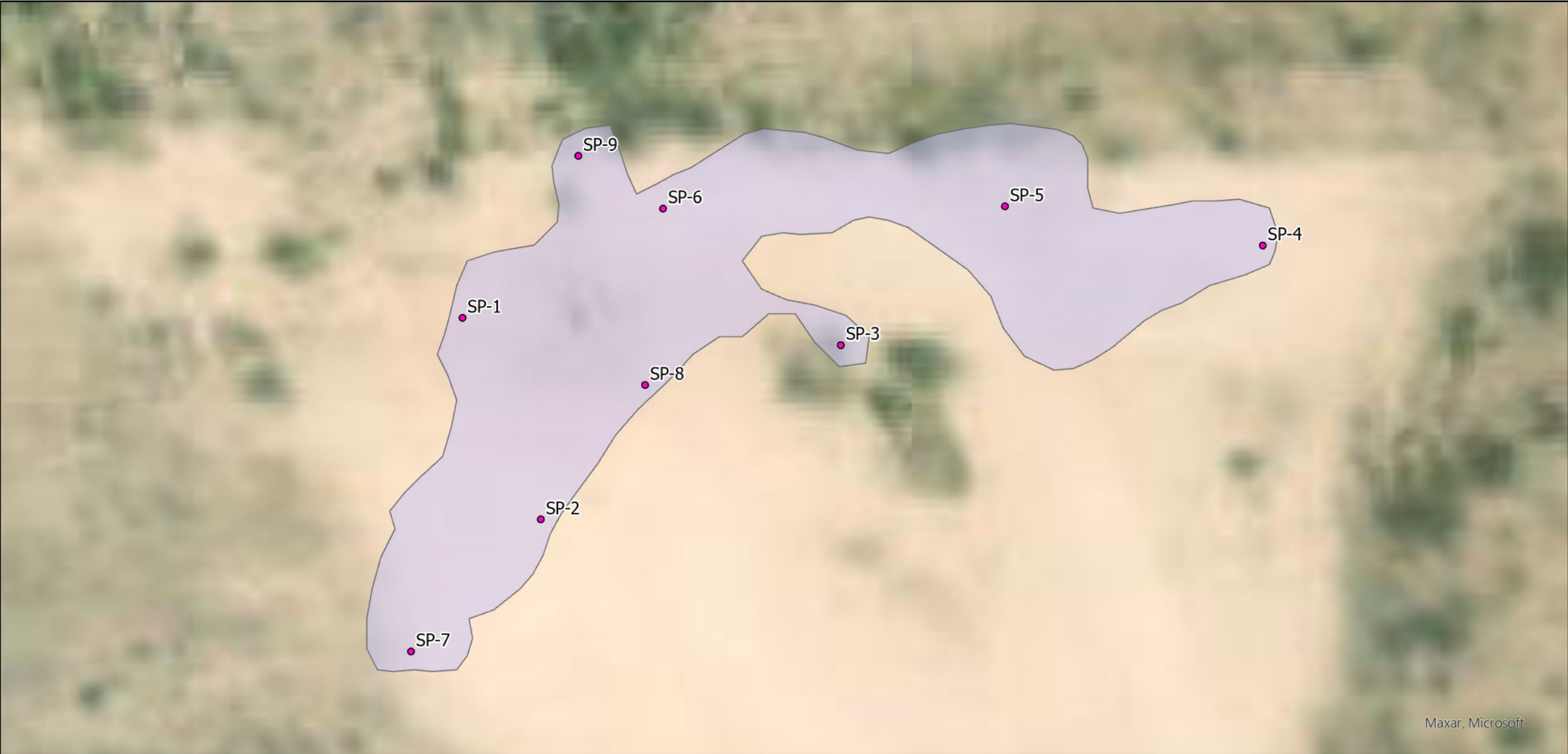


SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SAMPLE TYPE	SOIL STATUS	EPA SW-846 Method 8021B							EPA SW-846 Method 8015M					EPA 300
					BENZENE (mg/Kg)	TOLUENE (mg/Kg)	ETHYL-BENZENE (mg/Kg)	M,P-XYLENES (mg/Kg)	O-XYLENE (mg/Kg)	TOTAL XYLENES (mg/Kg)	TOTAL BTEX (mg/Kg)	GRO C ₆ -C ₁₂ (mg/Kg)	DRO C ₁₂ -C ₂₈ (mg/Kg)	GRO+ DRO (mg/kg)	MRO C ₂₈ -C ₃₅ (mg/Kg)	TPH C ₆ -C ₃₅ (mg/Kg)	CHLORIDE (mg/Kg)
NMOCD Closure Limits					10	NE	NE	NE	NE	NE	50	NE	NE	1,000	NE	2,500	20,000
Remediation Floors																	
CF-001-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
CF-002-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CF-003-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
CF-004-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
CF-005-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80
CF-006-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
CF-007-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
CF-008-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
CF-009-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CF-010-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CF-011-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
CF-012-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CF-013-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CF-014-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,920
CF-015-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CF-016-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	880
CF-017-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
CF-018-00.5-NA-S	6"	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,600
CF-019-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	560
CF-020-00.5-NA-S	6"	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,660
CF-021-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,600
CF-022-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	64.1	64.1	30.1	94.2	816
CF-023-00.5-NA-S	6"	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	912
CF-024-00.5-NA-S	6"	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	53.7	53.7	25.9	79.6	864
CF-025-00.5-NA-S	6"	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	14.6	14.6	<10.0	14.6	880
CF-026-00.5-NA-S	6"	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	13.5	13.5	<10.0	13.5	880
CF-027-00.5-NA-S	6"	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,520
CF-028-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CF-029-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	912
CF-030-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
CF-031-00.3-NA-S	Scrape	11/22/2022	Composite	In-Situ	<0.050	-	-	-	-	-	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,140

NE = Not established

- = Not analyzed

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

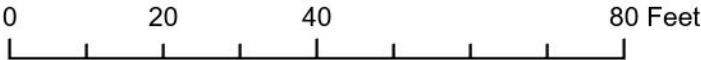


Maxar, Microsoft

Legend:

- Sample Points
- Release



Initial Delineation Map
OXY USA, Inc.
West Dollarhide Devonian Unit #122
Lea County, New Mexico
32.172695,-103.071147
NMOCD Reference # NAB1908534289





Maxar, Microsoft

Legend:

-  Remediation Floors
-  Excavated Area

Remediation Map
OXY USA, Inc.
West Dollarhide Devonian Unit #122
Lea County, New Mexico
32.1727, -103.0711
NMOCD Reference # NAB1908534289



OXY USA, Inc. – West Dollarhide Devonian Unit #122

Unit Letter “L” (NW/SW), Section 33, Township 24S, Range 38E



Release (Looking Northwest)



Release (Looking West-Northwest)

OXY USA, Inc. – West Dollarhide Devonian Unit #122

Unit Letter “L” (NW/SW), Section 33, Township 24S, Range 38E



Release (Looking Northwest)



Release (Looking Northwest)

OXY USA, Inc. – West Dollarhide Devonian Unit #122

Unit Letter “L” (NW/SW), Section 33, Township 24S, Range 38E



Release (Looking West-Northwest)



Release (Looking West-Southwest)

OXY USA, Inc. – West Dollarhide Devonian Unit #122

Unit Letter “L” (NW/SW), Section 33, Township 24S, Range 38E



Release (Looking West-Southwest)



Release (Looking Southwest)

OXY USA, Inc. – West Dollarhide Devonian Unit #122

Unit Letter “L” (NW/SW), Section 33, Township 24S, Range 38E



Release (Looking Southwest)



Release (Looking Southeast)

OXY USA, Inc. – West Dollarhide Devonian Unit #122

Unit Letter “L” (NW/SW), Section 33, Township 24S, Range 38E



Release (Looking South-Southeast)



Release (Looking Northeast)

OXY USA, Inc. – West Dollarhide Devonian Unit #122

Unit Letter “L” (NW/SW), Section 33, Township 24S, Range 38E



Release (Looking North-Northeast)



Release (Looking North-Northeast)



Excavation

Pad:



Pad:



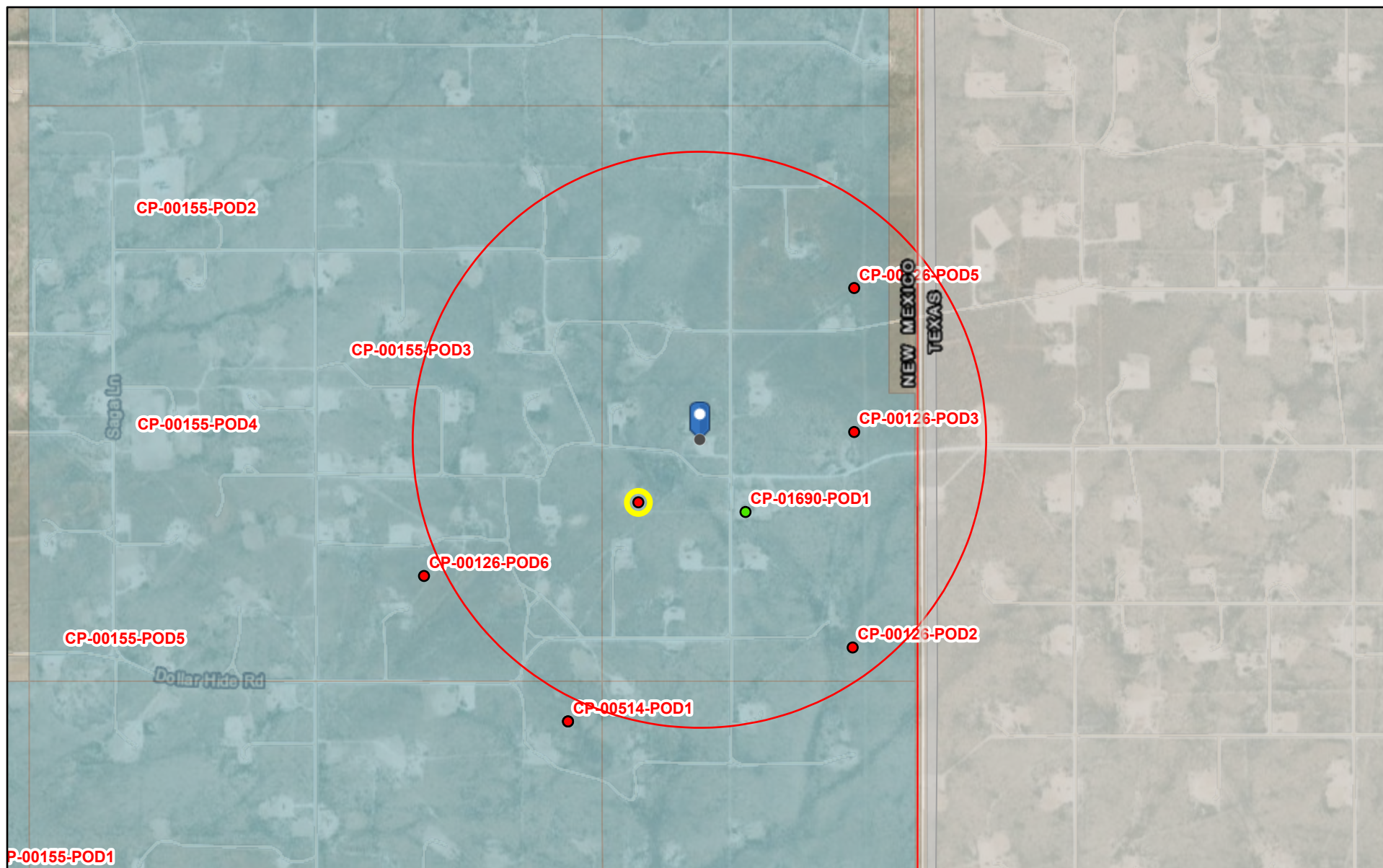


Excavation

Pad:



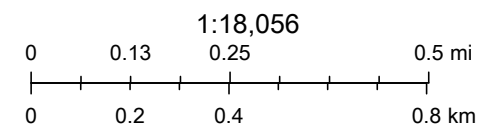
NAB1908534289 | West Dollarhide Devonian Unit #122



10/21/2022, 1:08:04 PM

GIS WATERS PODs OSE District Boundary New Mexico State Trust Lands● Pending

Water Right Regulations

 Both Estates● Plugged Closure Area SiteBoundaries

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.



NAB1908534289 | West Dollarhide Devonian Unit #122



October 21, 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°4'35"W 32°10'37"N



Legend

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

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



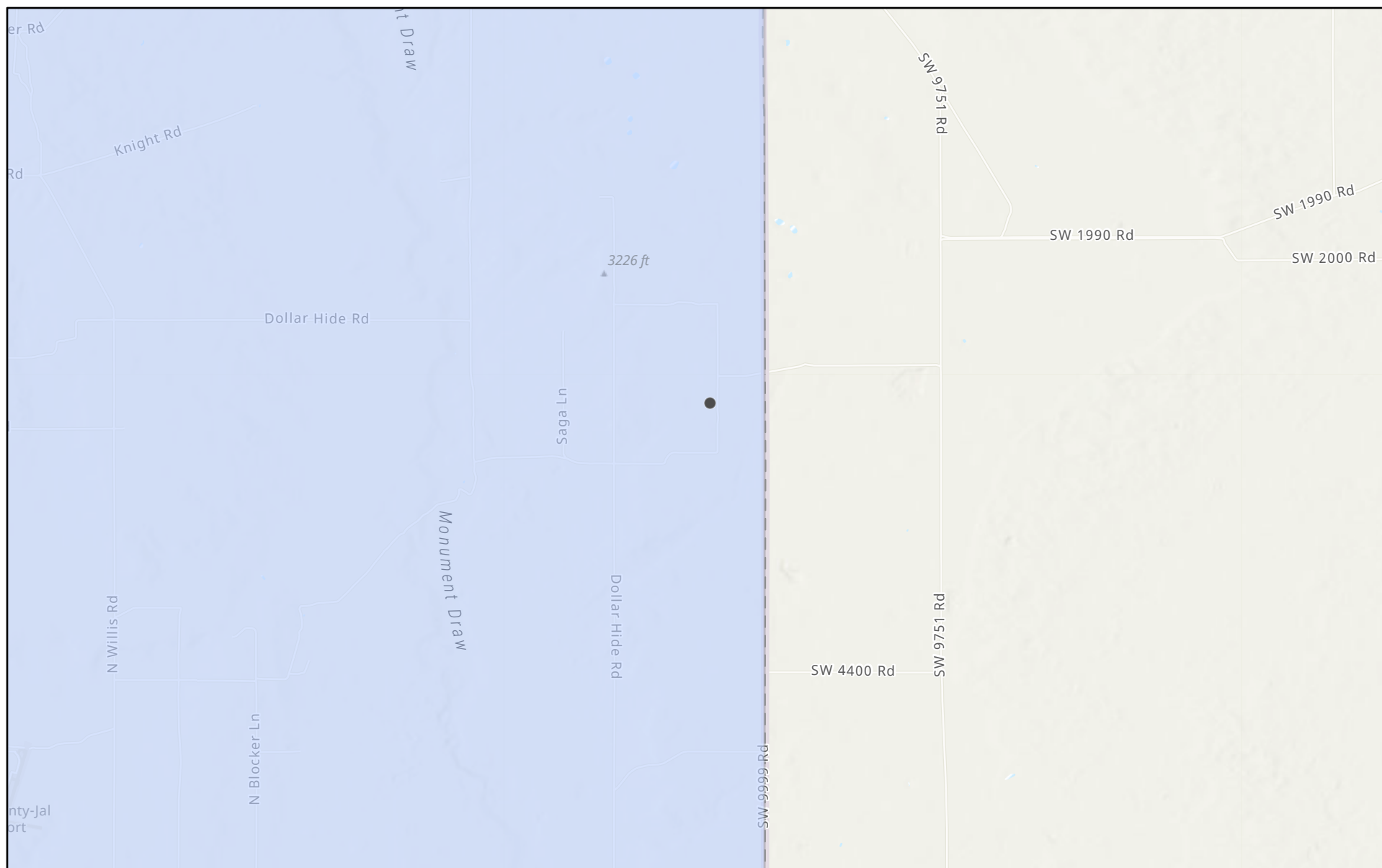
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 10/21/2022 at 3:13 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.

NAB1908534289 | West Dollarhide Devonian Unit #122

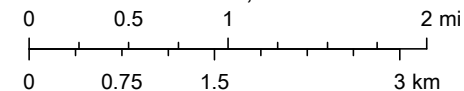


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Karst Occurrence Potential

 Low

1:72,224



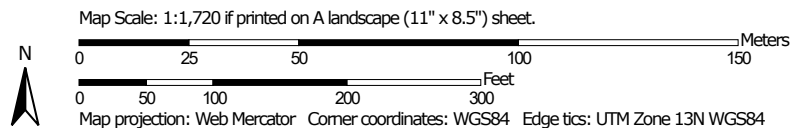
BLM, OCD, New Mexico Tech, Esri, NASA, NGA, USGS, FEMA, Texas Parks & Wildlife, CONANP, Esri, HERE, Garmin, SafeGraph,

New Mexico Oil Conservation Division

Soil Map—Lea County, New Mexico
(NAB1908534289 | West Dollarhide Devonian Unit #122)



Soil Map may not be valid at this scale.



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

10/21/2022
Page 1 of 3

Soil Map—Lea County, New Mexico
(NAB1908534289 | West Dollarhide Devonian Unit #122)

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

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

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

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

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

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

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

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

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 19, Sep 8, 2022

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

Date(s) aerial images were photographed: Jan 18, 2020—Feb 17, 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
KO	Kimbrough gravelly loam, dry, 0 to 3 percent slopes	3.6	31.6%
SE	Simona fine sandy loam, 0 to 3 percent slopes	3.2	28.7%
SR	Simona-Upton association	4.5	39.6%
Totals for Area of Interest		11.3	100.0%



Certificate of Analysis Summary 571620

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: West Dollarhide Devonian Unit #122



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs

Date Received in Lab: Mon Dec-18-17 01:14 pm

Report Date: 26-DEC-17

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	571620-001	571620-002	571620-003	571620-004	571620-005	571620-006
	<i>Field Id:</i>	Sp-1@6"	Sp-2@6"	Sp-3@6"	Sp-4@6"	Sp-5@6"	Sp-6@6"
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Dec-15-17 09:00	Dec-15-17 09:15	Dec-15-17 09:45	Dec-15-17 10:00	Dec-15-17 10:15	Dec-15-17 11:00
BTEX by EPA 8021B	<i>Extracted:</i>	Dec-21-17 17:00	Dec-21-17 17:00	Dec-21-17 17:00	Dec-21-17 17:00	Dec-21-17 17:00	Dec-21-17 17:00
	<i>Analyzed:</i>	Dec-22-17 07:22	Dec-22-17 07:42	Dec-22-17 08:01	Dec-22-17 08:20	Dec-22-17 08:39	Dec-22-17 08:58
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	<0.00201 0.00201
Toluene		<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	0.00223 0.00201
Ethylbenzene		<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	<0.00201 0.00201
m,p-Xylenes		<0.00399 0.00399	<0.00402 0.00402	<0.00401 0.00401	<0.00398 0.00398	<0.00398 0.00398	0.0265 0.00402
o-Xylene		<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	0.0101 0.00201
Total Xylenes		<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	0.0366 0.00201
Total BTEX		<0.00200 0.00200	<0.00201 0.00201	<0.00200 0.00200	<0.00199 0.00199	<0.00199 0.00199	0.0388 0.00201
Chloride by EPA 300	<i>Extracted:</i>	Dec-21-17 11:45	Dec-21-17 11:45	Dec-21-17 11:45	Dec-21-17 14:00	Dec-21-17 14:00	Dec-21-17 14:00
	<i>Analyzed:</i>	Dec-21-17 16:58	Dec-21-17 13:49	Dec-21-17 14:10	Dec-21-17 17:26	Dec-21-17 17:46	Dec-21-17 18:07
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		56.9 5.00	106 4.99	<4.94 4.94	59.1 4.94	4970 24.8	15.0 4.99
TPH By SW8015 Mod	<i>Extracted:</i>	Dec-20-17 07:00	Dec-20-17 07:00	Dec-20-17 07:00	Dec-20-17 07:00	Dec-20-17 07:00	Dec-20-17 07:00
	<i>Analyzed:</i>	Dec-20-17 09:43	Dec-20-17 10:42	Dec-20-17 11:02	Dec-20-17 11:22	Dec-20-17 11:42	Dec-21-17 10:09
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	925 15.0
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	371 15.0
Total TPH		<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	<15.0 15.0	1300 15.0

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Holly Taylor
Project Manager



Certificate of Analysis Summary 571620

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: West Dollarhide Devonian Unit #122



Project Id:

Contact: Ben Arguijo

Project Location: Hobbs

Date Received in Lab: Mon Dec-18-17 01:14 pm

Report Date: 26-DEC-17

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	571620-007	571620-008	571620-009			
	<i>Field Id:</i>	Sp-7@6"	Sp-8@6"	Sp-9@6"			
	<i>Depth:</i>						
	<i>Matrix:</i>	SOIL	SOIL	SOIL			
	<i>Sampled:</i>	Dec-15-17 11:15	Dec-15-17 12:00	Dec-15-17 12:20			
BTEX by EPA 8021B	<i>Extracted:</i>	Dec-21-17 17:00	Dec-21-17 17:00	Dec-21-17 17:00			
	<i>Analyzed:</i>	Dec-22-17 09:17	Dec-22-17 09:36	Dec-22-17 09:55			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		<0.00201 0.00201	<0.00202 0.00202	<0.00199 0.00199			
Toluene		<0.00201 0.00201	<0.00202 0.00202	<0.00199 0.00199			
Ethylbenzene		<0.00201 0.00201	<0.00202 0.00202	<0.00199 0.00199			
m,p-Xylenes		<0.00402 0.00402	<0.00404 0.00404	<0.00398 0.00398			
o-Xylene		0.00224 0.00201	<0.00202 0.00202	<0.00199 0.00199			
Total Xylenes		0.00224 0.00201	<0.00202 0.00202	<0.00199 0.00199			
Total BTEX		0.00224 0.00201	<0.00202 0.00202	<0.00199 0.00199			
Chloride by EPA 300	<i>Extracted:</i>	Dec-21-17 14:00	Dec-21-17 14:00	Dec-21-17 14:00			
	<i>Analyzed:</i>	Dec-21-17 18:14	Dec-21-17 18:21	Dec-21-17 18:28			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		<4.93 4.93	1070 4.99	68.6 4.97			
TPH By SW8015 Mod	<i>Extracted:</i>	Dec-20-17 07:00	Dec-20-17 07:00	Dec-20-17 07:00			
	<i>Analyzed:</i>	Dec-20-17 12:23	Dec-20-17 12:44	Dec-20-17 13:05			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0			
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0			
Oil Range Hydrocarbons (ORO)		<15.0 15.0	<15.0 15.0	<15.0 15.0			
Total TPH		<15.0 15.0	<15.0 15.0	<15.0 15.0			

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - San Antonio - Atlanta - Tampa - Boca Raton - Latin America - Odessa - Corpus Christi

Holly Taylor
Project Manager

Analytical Report 571620

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo
West Dollarhide Devonian Unit #122

26-DEC-17

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab code: TX00122):
Texas (T104704215-17-23), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab code: TX01468):
Texas (T104704295-17-15), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab code: TX00127): Texas (T104704221-17-12)
Xenco-Lubbock (EPA Lab code: TX00139): Texas (T104704219-17-16)
Xenco-Odessa (EPA Lab code: TX00158): Texas (T104704400-17-13)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-17-3)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona(AZ0757)
Xenco-Phoenix Mobile (EPA Lab code: AZ00901): Arizona (AZM757)



26-DEC-17

Project Manager: **Ben Arguijo**
Trinity Oilfield Services & Rentals, LLC
PO BOX 2587
Hobbs, NM 88241

Reference: XENCO Report No(s): **571620**
West Dollarhide Devonian Unit #122
Project Address: Hobbs

Ben Arguijo:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 571620. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 571620 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads 'Holly Taylor'.

Holly Taylor
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

Certified and approved by numerous States and Agencies.

A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

**Sample Cross Reference 571620****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

West Dollarhide Devonian Unit #122

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
Sp-1@6"	S	12-15-17 09:00		571620-001
Sp-2@6"	S	12-15-17 09:15		571620-002
Sp-3@6"	S	12-15-17 09:45		571620-003
Sp-4@6"	S	12-15-17 10:00		571620-004
Sp-5@6"	S	12-15-17 10:15		571620-005
Sp-6@6"	S	12-15-17 11:00		571620-006
Sp-7@6"	S	12-15-17 11:15		571620-007
Sp-8@6"	S	12-15-17 12:00		571620-008
Sp-9@6"	S	12-15-17 12:20		571620-009



CASE NARRATIVE

Client Name: *Trinity Oilfield Services & Rentals, LLC*

Project Name: *West Dollarhide Devonian Unit #122*

Project ID:

Work Order Number(s): 571620

Report Date: 26-DEC-17

Date Received: 12/18/2017

Sample receipt non conformances and comments:

1.001 Changed depth of samples per Ben Arguijo.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3036675 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **Sp-1@6"**

Matrix: Soil

Date Received: 12.18.17 13.14

Lab Sample Id: 571620-001

Date Collected: 12.15.17 09.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: LRI

Date Prep: 12.21.17 11.45

Basis: Wet Weight

Seq Number: 3036662

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	56.9	5.00	mg/kg	12.21.17 16.58		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.20.17 07.00

Basis: Wet Weight

Seq Number: 3036532

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.20.17 09.43	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.20.17 09.43	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.20.17 09.43	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.20.17 09.43	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	91	%	70-135	12.20.17 09.43	
o-Terphenyl	84-15-1	94	%	70-135	12.20.17 09.43	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **Sp-1@6"**

Matrix: Soil

Date Received: 12.18.17 13.14

Lab Sample Id: 571620-001

Date Collected: 12.15.17 09.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.21.17 17.00

Basis: Wet Weight

Seq Number: 3036675

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.22.17 07.22	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.22.17 07.22	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.22.17 07.22	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	12.22.17 07.22	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.22.17 07.22	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.22.17 07.22	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.22.17 07.22	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	89	%	80-120	12.22.17 07.22		
1,4-Difluorobenzene	540-36-3	93	%	80-120	12.22.17 07.22		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **Sp-2@6"**

Matrix: Soil

Date Received: 12.18.17 13.14

Lab Sample Id: 571620-002

Date Collected: 12.15.17 09.15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: LRI

Date Prep: 12.21.17 11.45

Basis: Wet Weight

Seq Number: 3036662

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	106	4.99	mg/kg	12.21.17 13.49		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.20.17 07.00

Basis: Wet Weight

Seq Number: 3036532

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.20.17 10.42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.20.17 10.42	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.20.17 10.42	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.20.17 10.42	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	78	%	70-135	12.20.17 10.42	
o-Terphenyl	84-15-1	83	%	70-135	12.20.17 10.42	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **Sp-2@6"**

Matrix: Soil

Date Received: 12.18.17 13.14

Lab Sample Id: 571620-002

Date Collected: 12.15.17 09.15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.21.17 17.00

Basis: Wet Weight

Seq Number: 3036675

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.22.17 07.42	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.22.17 07.42	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.22.17 07.42	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	12.22.17 07.42	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	12.22.17 07.42	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	12.22.17 07.42	U	1
Total BTEX		<0.00201	0.00201	mg/kg	12.22.17 07.42	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	88	%	80-120	12.22.17 07.42		
1,4-Difluorobenzene	540-36-3	90	%	80-120	12.22.17 07.42		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **Sp-3@6"**

Matrix: Soil

Date Received: 12.18.17 13.14

Lab Sample Id: 571620-003

Date Collected: 12.15.17 09.45

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: LRI

Date Prep: 12.21.17 11.45

Basis: Wet Weight

Seq Number: 3036662

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.94	4.94	mg/kg	12.21.17 14.10	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.20.17 07.00

Basis: Wet Weight

Seq Number: 3036532

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.20.17 11.02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.20.17 11.02	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.20.17 11.02	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.20.17 11.02	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-135	12.20.17 11.02	
o-Terphenyl	84-15-1	82	%	70-135	12.20.17 11.02	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **Sp-3@6"**

Matrix: Soil

Date Received: 12.18.17 13.14

Lab Sample Id: 571620-003

Date Collected: 12.15.17 09.45

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.21.17 17.00

Basis: Wet Weight

Seq Number: 3036675

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	12.22.17 08.01	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	12.22.17 08.01	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	12.22.17 08.01	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	12.22.17 08.01	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	12.22.17 08.01	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	12.22.17 08.01	U	1
Total BTEX		<0.00200	0.00200	mg/kg	12.22.17 08.01	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	91	%	80-120	12.22.17 08.01		
1,4-Difluorobenzene	540-36-3	92	%	80-120	12.22.17 08.01		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **Sp-4@6"**

Matrix: Soil

Date Received: 12.18.17 13.14

Lab Sample Id: 571620-004

Date Collected: 12.15.17 10.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: LRI

Date Prep: 12.21.17 14.00

Basis: Wet Weight

Seq Number: 3036651

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	59.1	4.94	mg/kg	12.21.17 17.26		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.20.17 07.00

Basis: Wet Weight

Seq Number: 3036532

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.20.17 11.22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.20.17 11.22	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.20.17 11.22	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.20.17 11.22	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-135	12.20.17 11.22	
o-Terphenyl	84-15-1	85	%	70-135	12.20.17 11.22	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **Sp-4@6"**

Matrix: Soil

Date Received: 12.18.17 13.14

Lab Sample Id: 571620-004

Date Collected: 12.15.17 10.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.21.17 17.00

Basis: Wet Weight

Seq Number: 3036675

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.22.17 08.20	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.22.17 08.20	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.22.17 08.20	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.22.17 08.20	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.22.17 08.20	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.22.17 08.20	U	1
Total BTEX		<0.00199	0.00199	mg/kg	12.22.17 08.20	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	95	%	80-120	12.22.17 08.20		
4-Bromofluorobenzene	460-00-4	89	%	80-120	12.22.17 08.20		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **Sp-5@6"**

Matrix: Soil

Date Received: 12.18.17 13.14

Lab Sample Id: 571620-005

Date Collected: 12.15.17 10.15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: LRI

Date Prep: 12.21.17 14.00

Basis: Wet Weight

Seq Number: 3036651

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	4970	24.8	mg/kg	12.21.17 17.46		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.20.17 07.00

Basis: Wet Weight

Seq Number: 3036532

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.20.17 11.42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.20.17 11.42	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.20.17 11.42	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.20.17 11.42	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	83	%	70-135	12.20.17 11.42		
o-Terphenyl	84-15-1	85	%	70-135	12.20.17 11.42		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **Sp-5@6"**
Lab Sample Id: 571620-005

Matrix: Soil
Date Collected: 12.15.17 10.15

Date Received: 12.18.17 13.14

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.21.17 17.00

Basis: Wet Weight

Seq Number: 3036675

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.22.17 08.39	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.22.17 08.39	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.22.17 08.39	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.22.17 08.39	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.22.17 08.39	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.22.17 08.39	U	1
Total BTEX		<0.00199	0.00199	mg/kg	12.22.17 08.39	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	91	%	80-120	12.22.17 08.39		
1,4-Difluorobenzene	540-36-3	95	%	80-120	12.22.17 08.39		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **Sp-6@6"**
Lab Sample Id: 571620-006

Matrix: Soil
Date Collected: 12.15.17 11.00

Date Received: 12.18.17 13.14

Analytical Method: Chloride by EPA 300
Tech: LRI
Analyst: LRI
Seq Number: 3036651

Prep Method: E300P
% Moisture:
Basis: Wet Weight
Date Prep: 12.21.17 14.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	15.0	4.99	mg/kg	12.21.17 18.07		1

Analytical Method: TPH By SW8015 Mod
Tech: ARM
Analyst: ARM
Seq Number: 3036532

Prep Method: TX1005P
% Moisture:
Basis: Wet Weight
Date Prep: 12.20.17 07.00

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.21.17 10.09	U	1
Diesel Range Organics (DRO)	C10C28DRO	925	15.0	mg/kg	12.21.17 10.09		1
Oil Range Hydrocarbons (ORO)	PHCG2835	371	15.0	mg/kg	12.21.17 10.09		1
Total TPH	PHC635	1300	15.0	mg/kg	12.21.17 10.09		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	82	%	70-135	12.21.17 10.09	
o-Terphenyl	84-15-1	78	%	70-135	12.21.17 10.09	



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **Sp-6@6"**

Matrix: Soil

Date Received: 12.18.17 13.14

Lab Sample Id: 571620-006

Date Collected: 12.15.17 11.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.21.17 17.00

Basis: Wet Weight

Seq Number: 3036675

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.22.17 08.58	U	1
Toluene	108-88-3	0.00223	0.00201	mg/kg	12.22.17 08.58		1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.22.17 08.58	U	1
m,p-Xylenes	179601-23-1	0.0265	0.00402	mg/kg	12.22.17 08.58		1
o-Xylene	95-47-6	0.0101	0.00201	mg/kg	12.22.17 08.58		1
Total Xylenes	1330-20-7	0.0366	0.00201	mg/kg	12.22.17 08.58		1
Total BTEX		0.0388	0.00201	mg/kg	12.22.17 08.58		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	81	%	80-120	12.22.17 08.58		
1,4-Difluorobenzene	540-36-3	87	%	80-120	12.22.17 08.58		



Certificate of Analytical Results 571620

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **Sp-7@6"**

Matrix: Soil

Date Received: 12.18.17 13.14

Lab Sample Id: 571620-007

Date Collected: 12.15.17 11.15

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: LRI

Date Prep: 12.21.17 14.00

Basis: Wet Weight

Seq Number: 3036651

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	<4.93	4.93	mg/kg	12.21.17 18.14	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.20.17 07.00

Basis: Wet Weight

Seq Number: 3036532

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.20.17 12.23	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.20.17 12.23	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.20.17 12.23	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.20.17 12.23	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	83	%	70-135	12.20.17 12.23	
o-Terphenyl	84-15-1	85	%	70-135	12.20.17 12.23	



Certificate of Analytical Results 571620



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **Sp-7@6"**

Matrix: Soil

Date Received: 12.18.17 13.14

Lab Sample Id: 571620-007

Date Collected: 12.15.17 11.15

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.21.17 17.00

Basis: Wet Weight

Seq Number: 3036675

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	12.22.17 09.17	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	12.22.17 09.17	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	12.22.17 09.17	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	12.22.17 09.17	U	1
o-Xylene	95-47-6	0.00224	0.00201	mg/kg	12.22.17 09.17		1
Total Xylenes	1330-20-7	0.00224	0.00201	mg/kg	12.22.17 09.17		1
Total BTEX		0.00224	0.00201	mg/kg	12.22.17 09.17		1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	93	%	80-120	12.22.17 09.17		
4-Bromofluorobenzene	460-00-4	86	%	80-120	12.22.17 09.17		



Certificate of Analytical Results 571620

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **Sp-8@6"**

Matrix: Soil

Date Received: 12.18.17 13.14

Lab Sample Id: 571620-008

Date Collected: 12.15.17 12.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: LRI

Date Prep: 12.21.17 14.00

Basis: Wet Weight

Seq Number: 3036651

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1070	4.99	mg/kg	12.21.17 18.21		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.20.17 07.00

Basis: Wet Weight

Seq Number: 3036532

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.20.17 12.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.20.17 12.44	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.20.17 12.44	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.20.17 12.44	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	73	%	70-135	12.20.17 12.44	
o-Terphenyl	84-15-1	77	%	70-135	12.20.17 12.44	



Certificate of Analytical Results 571620

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **Sp-8@6"**

Matrix: Soil

Date Received: 12.18.17 13.14

Lab Sample Id: 571620-008

Date Collected: 12.15.17 12.00

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.21.17 17.00

Basis: Wet Weight

Seq Number: 3036675

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	12.22.17 09.36	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	12.22.17 09.36	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	12.22.17 09.36	U	1
m,p-Xylenes	179601-23-1	<0.00404	0.00404	mg/kg	12.22.17 09.36	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	12.22.17 09.36	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	12.22.17 09.36	U	1
Total BTEX		<0.00202	0.00202	mg/kg	12.22.17 09.36	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	86	%	80-120	12.22.17 09.36		
1,4-Difluorobenzene	540-36-3	92	%	80-120	12.22.17 09.36		



Certificate of Analytical Results 571620

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **Sp-9@6"**

Matrix: Soil

Date Received: 12.18.17 13.14

Lab Sample Id: 571620-009

Date Collected: 12.15.17 12.20

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: LRI

% Moisture:

Analyst: LRI

Date Prep: 12.21.17 14.00

Basis: Wet Weight

Seq Number: 3036651

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	68.6	4.97	mg/kg	12.21.17 18.28		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 12.20.17 07.00

Basis: Wet Weight

Seq Number: 3036532

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	12.20.17 13.05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	12.20.17 13.05	U	1
Oil Range Hydrocarbons (ORO)	PHCG2835	<15.0	15.0	mg/kg	12.20.17 13.05	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	12.20.17 13.05	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	79	%	70-135	12.20.17 13.05	
o-Terphenyl	84-15-1	82	%	70-135	12.20.17 13.05	



Certificate of Analytical Results 571620



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **Sp-9@6"**

Matrix: Soil

Date Received: 12.18.17 13.14

Lab Sample Id: 571620-009

Date Collected: 12.15.17 12.20

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: ALJ

% Moisture:

Analyst: ALJ

Date Prep: 12.21.17 17.00

Basis: Wet Weight

Seq Number: 3036675

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	12.22.17 09.55	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	12.22.17 09.55	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	12.22.17 09.55	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	12.22.17 09.55	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	12.22.17 09.55	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	12.22.17 09.55	U	1
Total BTEX		<0.00199	0.00199	mg/kg	12.22.17 09.55	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	88	%	80-120	12.22.17 09.55		
1,4-Difluorobenzene	540-36-3	92	%	80-120	12.22.17 09.55		



Flagging Criteria



- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **SQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation

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(210) 509-3334	(210) 509-3335
(432) 563-1800	(432) 563-1713
(602) 437-0330	



Trinity Oilfield Services & Rentals, LLC
West Dollarhide Devonian Unit #122

Analytical Method: Chloride by EPA 300

Seq Number: 3036662

MB Sample Id: 7636374-1-BLK

Matrix: Solid

LCS Sample Id: 7636374-1-BKS

Prep Method: E300P

Date Prep: 12.21.17

LCSD Sample Id: 7636374-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	233	93	248	99	90-110	6	20	mg/kg	12.21.17 13:35	

Analytical Method: Chloride by EPA 300

Seq Number: 3036661

MB Sample Id: 7636404-1-BLK

Matrix: Solid

LCS Sample Id: 7636404-1-BKS

Prep Method: E300P

Date Prep: 12.21.17

LCSD Sample Id: 7636404-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<5.00	250	244	98	245	98	90-110	0	20	mg/kg	12.21.17 17:12	

Analytical Method: Chloride by EPA 300

Seq Number: 3036662

Parent Sample Id: 571522-003

Matrix: Soil

MS Sample Id: 571522-003 S

Prep Method: E300P

Date Prep: 12.21.17

MSD Sample Id: 571522-003 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	303	250	552	100	550	99	90-110	0	20	mg/kg	12.21.17 15:34	

Analytical Method: Chloride by EPA 300

Seq Number: 3036662

Parent Sample Id: 571620-002

Matrix: Soil

MS Sample Id: 571620-002 S

Prep Method: E300P

Date Prep: 12.21.17

MSD Sample Id: 571620-002 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	106	250	367	104	358	101	90-110	2	20	mg/kg	12.21.17 13:56	

Analytical Method: Chloride by EPA 300

Seq Number: 3036651

Parent Sample Id: 571478-007

Matrix: Soil

MS Sample Id: 571478-007 S

Prep Method: E300P

Date Prep: 12.21.17

MSD Sample Id: 571478-007 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	430	248	652	90	656	91	90-110	1	20	mg/kg	12.21.17 19:10	

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery

$[D] = 100 * (C - A) / B$
 $RPD = 200 * | (C - E) / (C + E) |$
 $[D] = 100 * (C) / [B]$

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC
West Dollarhide Devonian Unit #122

Analytical Method: Chloride by EPA 300

Seq Number: 3036651

Parent Sample Id: 571620-004

Matrix: Soil

MS Sample Id: 571620-004 S

Prep Method: E300P

Date Prep: 12.21.17

MSD Sample Id: 571620-004 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	59.1	247	302	98	308	101	90-110	2	20	mg/kg	12.21.17 17:33	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3036532

MB Sample Id: 7636363-1-BLK

Matrix: Solid

LCS Sample Id: 7636363-1-BKS

Prep Method: TX1005P

Date Prep: 12.20.17

LCSD Sample Id: 7636363-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	1000	907	91	917	92	70-135	1	35	mg/kg	12.20.17 09:03	
Diesel Range Organics (DRO)	<15.0	1000	901	90	944	94	70-135	5	35	mg/kg	12.20.17 09:03	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	80		86		88		70-135	%	12.20.17 09:03
o-Terphenyl	86		87		96		70-135	%	12.20.17 09:03

Analytical Method: TPH By SW8015 Mod

Seq Number: 3036532

Parent Sample Id: 571620-001

Matrix: Soil

MS Sample Id: 571620-001 S

Prep Method: TX1005P

Date Prep: 12.20.17

MSD Sample Id: 571620-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<15.0	998	883	88	937	94	70-135	6	35	mg/kg	12.20.17 10:03	
Diesel Range Organics (DRO)	<15.0	998	878	88	957	96	70-135	9	35	mg/kg	12.20.17 10:03	

Surrogate

	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	84		92		70-135	%	12.20.17 10:03
o-Terphenyl	89		97		70-135	%	12.20.17 10:03

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery

$[D] = 100 * (C-A) / B$
 $RPD = 200 * |(C-E) / (C+E)|$
 $[D] = 100 * (C) / [B]$

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC
West Dollarhide Devonian Unit #122

Analytical Method: BTEX by EPA 8021B

Seq Number: 3036675

MB Sample Id: 7636472-1-BLK

Matrix: Solid

LCS Sample Id: 7636472-1-BKS

Prep Method: SW5030B

Date Prep: 12.21.17

LCSD Sample Id: 7636472-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.0998	0.0872	87	0.0854	85	70-130	2	35	mg/kg	12.22.17 00:09	
Toluene	<0.00200	0.0998	0.0805	81	0.0788	79	70-130	2	35	mg/kg	12.22.17 00:09	
Ethylbenzene	<0.00200	0.0998	0.0871	87	0.0848	85	71-129	3	35	mg/kg	12.22.17 00:09	
m,p-Xylenes	<0.00399	0.200	0.172	86	0.167	83	70-135	3	35	mg/kg	12.22.17 00:09	
o-Xylene	<0.00200	0.0998	0.0824	83	0.0798	80	71-133	3	35	mg/kg	12.22.17 00:09	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	90		103		97		80-120	%	12.22.17 00:09
4-Bromofluorobenzene	80		100		92		80-120	%	12.22.17 00:09

Analytical Method: BTEX by EPA 8021B

Seq Number: 3036675

Parent Sample Id: 571798-009

Matrix: Soil

MS Sample Id: 571798-009 S

Prep Method: SW5030B

Date Prep: 12.21.17

MSD Sample Id: 571798-009 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.100	0.0767	77	0.0767	76	70-130	0	35	mg/kg	12.22.17 00:47	
Toluene	<0.00201	0.100	0.0707	71	0.0702	70	70-130	1	35	mg/kg	12.22.17 00:47	
Ethylbenzene	<0.00201	0.100	0.0745	75	0.0747	74	71-129	0	35	mg/kg	12.22.17 00:47	
m,p-Xylenes	<0.00402	0.201	0.146	73	0.147	73	70-135	1	35	mg/kg	12.22.17 00:47	
o-Xylene	<0.00201	0.100	0.0694	69	0.0702	70	71-133	1	35	mg/kg	12.22.17 00:47	X

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	101		108		80-120	%	12.22.17 00:47
4-Bromofluorobenzene	101		108		80-120	%	12.22.17 00:47

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery

$[D] = 100 * (C-A) / B$
 $RPD = 200 * | (C-E) / (C+E) |$
 $[D] = 100 * (C) / [B]$

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



CHAIN OF CUSTODY RECORD

Houston: 4143 Greenbriar Dr. Stafford, TX 77477 (281)240-4200 Odessa: 12600 West I-20 East Odessa, TX 79765 (432)563-1800
7000L-C

Page 1 of 1

LAB W.O. #:

Field billable Hrs:

571620

* Container Type Codes

VA Vial Amber ES Encore Sampler
VC Vial Clear TS TerraCore Sampler
VP Vial Pre-preserved AC Air Canister
GA Glass Amber TB Tedlar Bag
GC Glass Clear ZB Zip Lock Bag
PA Plastic Amber PC Plastic Clear
Other _____

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz, 1Gal
40ml, 125 ml, 250 ml, 500 ml, 1L, Other _____

** Preservative Type Codes

A. None E. HCL I. Ice
B. HNO₃ F. MeOH J. MCAA C.
H₂SO₄ G. Na₂S₂O₃ K. ZnAc/NaOH
D. NaOH H. NaHSO₄ L. Asbc Acid/NaOH
O. _____

^ Matrix Type Codes

GW Ground Water S Soil/Sediment/Solid
WW Waste Water W Wipe
DW Drinking Water A Air
SW Surface Water O Oil
OW Ocean/Sea Water T Tissue
PL Product-Liquid U Urine
PS Product-Solid B Blood
SL Sludge
Other _____

REMARKS

Company: Trinity Oilfield Services & Rentals, LLC Phone: (575)390-7208
Address: P.O. Box 2587 Fax: _____
City: Hobbs State: NM Zip: 88241
PM/Attn: Ben J. Arguijo Email: wade.dittrich@oxy.com & ben@trinityoilfieldservices.com
Project ID: West Dollarhide Devonian Unit #122 PO#: _____
Invoice To: Oxy - Wade Dittrich (575)390-2828 Quote #: _____

TAT Work Days = D Need results by: _____ Time: _____
Std (5-7D) 5Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other _____

ANALYSES REQUESTED

Cont Type *	VC	GC	GC	GC																
Pres Type**	I	I	I																	
Example Volatiles by 826C	TPH 8015M	BTEX	Chloride																	

Sampler Name: Paul Pinon Circle One Event: Daily Weekly Monthly Quarterly
Semi-Annual Annual N/A

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field Filtered	Integrity OK (Y/N)	Total # of containers	Example Volatiles by 826C	TPH 8015M	BTEX	Chloride										
1	SP-1 @ 6"	12/15/17	0900	S			1		X												
2	SP-2 @ 6"	12/15/17	0915	S			1		X												
3	SP-3 @ 6"	12/15/17	0945	S			1		X												
4	SP-4 @ 6"	12/15/17	1000	S			1		X												
5	SP-5 @ 6"	12/15/17	1015	S			1		X												
6	SP-6 @ 6"	12/15/17	1100	S			1		X												
7	SP-7 @ 6"	12/15/17	1115	S			1		X												
8	SP-8 @ 6"	12/15/17	1200	S			1		X												
9	SP-9 @ 6"	12/15/17	1220	S			1		X												
0																					

See Remarks

Hold Sample Run PAH Only
(CALL on Highest TPH)

Reg. Program / Clean-up Std STATE for Certs & Regs QA/QC Level & Certification

CTLs TRRP DW NPDES LPST DryCln Other: FL TX GA NC SC NJ PA OK 1 2 3 4 CLP AFCEE QAPP NELAC

LA AL NM Other: DoD-ELAP Other: _____

Relinquished by	Affiliation	Date	Time
Paul Pinon	Trinity	12/18/17	1315

EDDs ADAPT SEDD ERPIMS

XLS Other: _____

COC & Labels

Match Incomplete Absent Unclear

Coolers Temp °C

100 2 3

Lab Use Only YES NO N/A

Non-Conformances found?	_____
Samples intact upon arrival?	_____
Received on Wet Ice?	_____
Labeled with proper preservatives?	_____
Received within holding time?	_____
Custody seals intact?	_____
VOCs rec'd w/o headspace?	_____
Proper containers used?	_____
pH verified-acceptable, excl VOCs?	_____
Received on time to meet HTs?	_____

B&A Laboratories: Hobbs 575-392-7550 Dallas 214-902-0300 Houston 281-242-4200 Odessa 432-563-1800 San Antonio 210-509-3334 Phoenix 602-437-0330

FTS Service Centers: Atlanta 770-449-8800 Lakeland 863-646-8526 Tampa 803-543-8099 Philadelphia 610-955-5649 South Carolina 803-543-8099

Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previously agreed in writing. Terms of payment are Net 30 days, and all past due amounts shall accrue interest at 1.5% per month until paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full.

Revision Date: Nov 12, 2009



XENCO Laboratories

Prelogin/Nonconformance Report- Sample Log-In

Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 12/18/2017 01:14:00 PM

Work Order #: 571620

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	0
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	No
#18 Water VOC samples have zero headspace?	N/A

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by:

Shawnee Smith

Date: 12/19/2017

Checklist reviewed by:

Holly Taylor

Date: 12/21/2017



Certificate of Analysis Summary 614585

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: West Dollarhide Devonian Unit #122



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Thu Feb-14-19 12:18 pm

Report Date: 21-FEB-19

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	614585-001	614585-002	614585-003	614585-004	614585-005	614585-006
	<i>Field Id:</i>	SP-1 @ 1.5'	SP-2 @ 1.5'	SP-3 @ 1.5'	SP-4 @ 1.5'	SP-5 @ 1.5'	SP-6 @ 1.5'
	<i>Depth:</i>	1.5- ft	1.5- ft	1.5- ft	1.5- ft	1.5- ft	1.5- ft
	<i>Matrix:</i>	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
	<i>Sampled:</i>	Feb-11-19 14:28	Feb-11-19 11:23	Feb-11-19 12:03	Feb-11-19 12:18	Feb-11-19 12:12	Feb-11-19 13:40
BTEX by EPA 8021B	<i>Extracted:</i>	Feb-18-19 17:00	Feb-18-19 17:00	Feb-19-19 16:45	Feb-19-19 16:45	Feb-19-19 16:45	Feb-19-19 16:45
	<i>Analyzed:</i>	Feb-19-19 18:40	Feb-19-19 19:01	Feb-20-19 00:43	Feb-20-19 01:05	Feb-20-19 01:26	Feb-20-19 02:50
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Benzene		<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199
Toluene		<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199
Ethylbenzene		<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199
m,p-Xylenes		<0.00399 0.00399	<0.00402 0.00402	<0.00398 0.00398	<0.00399 0.00399	<0.00402 0.00402	<0.00398 0.00398
o-Xylene		<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199
Total Xylenes		<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199
Total BTEX		<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199	<0.00200 0.00200	<0.00201 0.00201	<0.00199 0.00199
Chloride by EPA 300	<i>Extracted:</i>	Feb-15-19 16:30	Feb-15-19 16:30	Feb-15-19 16:30	Feb-15-19 16:30	Feb-15-19 16:30	Feb-15-19 16:30
	<i>Analyzed:</i>	Feb-16-19 00:38	Feb-16-19 00:44	Feb-16-19 00:50	Feb-16-19 00:56	Feb-16-19 01:02	Feb-16-19 01:21
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Chloride		89.6 4.95	7.65 5.03	119 4.99	244 4.95	319 4.95	247 4.95
TPH By SW8015 Mod	<i>Extracted:</i>	Feb-14-19 17:00	Feb-14-19 17:00	Feb-14-19 17:00	Feb-14-19 17:00	Feb-14-19 17:00	Feb-14-19 17:00
	<i>Analyzed:</i>	Feb-15-19 03:46	Feb-15-19 04:06	Feb-15-19 04:26	Feb-15-19 04:46	Feb-15-19 05:06	Feb-15-19 05:26
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL	mg/kg RL
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0	<14.9 14.9	<15.0 15.0
Diesel Range Organics (DRO)		531 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0	<14.9 14.9	<15.0 15.0
Motor Oil Range Hydrocarbons (MRO)		137 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0	<14.9 14.9	<15.0 15.0
Total TPH		668 15.0	<15.0 15.0	<14.9 14.9	<15.0 15.0	<14.9 14.9	<15.0 15.0

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager



Certificate of Analysis Summary 614585

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: West Dollarhide Devonian Unit #122



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Thu Feb-14-19 12:18 pm

Report Date: 21-FEB-19

Project Manager: Holly Taylor

<i>Analysis Requested</i>	<i>Lab Id:</i>	614585-007	614585-008	614585-009			
	<i>Field Id:</i>	SP-7 @ 1.5'	SP-8 @ 1.5'	SP-9 @ 1.5'			
	<i>Depth:</i>	1.5- ft	1.5- ft	1.5- ft			
	<i>Matrix:</i>	SOIL	SOIL	SOIL			
	<i>Sampled:</i>	Feb-11-19 13:30	Feb-11-19 13:34	Feb-11-19 14:58			
BTEX by EPA 8021B	<i>Extracted:</i>	Feb-19-19 16:45	Feb-19-19 16:45	Feb-19-19 16:45			
	<i>Analyzed:</i>	Feb-20-19 03:11	Feb-20-19 03:32	Feb-20-19 03:54			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Benzene		<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202			
Toluene		<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202			
Ethylbenzene		<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202			
m,p-Xylenes		<0.00401 0.00401	<0.00399 0.00399	<0.00403 0.00403			
o-Xylene		<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202			
Total Xylenes		<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202			
Total BTEX		<0.00200 0.00200	<0.00200 0.00200	<0.00202 0.00202			
Chloride by EPA 300	<i>Extracted:</i>	Feb-15-19 16:30	Feb-15-19 16:30	Feb-15-19 16:30			
	<i>Analyzed:</i>	Feb-16-19 01:27	Feb-16-19 01:47	Feb-16-19 01:53			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Chloride		8.90 4.95	149 4.95	294 4.98			
TPH By SW8015 Mod	<i>Extracted:</i>	Feb-14-19 17:00	Feb-14-19 17:00	Feb-14-19 17:00			
	<i>Analyzed:</i>	Feb-15-19 05:46	Feb-15-19 06:06	Feb-15-19 06:26			
	<i>Units/RL:</i>	mg/kg RL	mg/kg RL	mg/kg RL			
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0			
Diesel Range Organics (DRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0			
Motor Oil Range Hydrocarbons (MRO)		<15.0 15.0	<15.0 15.0	<15.0 15.0			
Total TPH		<15.0 15.0	<15.0 15.0	<15.0 15.0			

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Holly Taylor
Project Manager

Analytical Report 614585

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo
West Dollarhide Devonian Unit #122

21-FEB-19

Collected By: Client



1211 W. Florida Ave, Midland TX 79701

Xenco-Houston (EPA Lab Code: TX00122):
Texas (T104704215-18-28), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):
Texas (T104704295-18-17), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)
Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-18-18)
Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)
Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)
Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)
Xenco-Phoenix Mobile (EPA Lab Code: AZ00901): Arizona (AZM757)
Xenco-Atlanta (LELAP Lab ID #04176)
Xenco-Tampa: Florida (E87429), North Carolina (483)
Xenco-Lakeland: Florida (E84098)



21-FEB-19

Project Manager: **Ben Arguijo**
Trinity Oilfield Services & Rentals, LLC
PO BOX 2587
Hobbs, NM 88241

Reference: XENCO Report No(s): **614585**
West Dollarhide Devonian Unit #122
Project Address:

Ben Arguijo:

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 614585. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 614585 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads 'Holly Taylor'.

Holly Taylor
Project Manager

Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.

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A Small Business and Minority Status Company that delivers SERVICE and QUALITY

Houston - Dallas - Midland - San Antonio - Phoenix - Oklahoma - Latin America

**Sample Cross Reference 614585****Trinity Oilfield Services & Rentals, LLC, Hobbs, NM**

West Dollarhide Devonian Unit #122

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1 @ 1.5'	S	02-11-19 14:28	1.5 ft	614585-001
SP-2 @ 1.5'	S	02-11-19 11:23	1.5 ft	614585-002
SP-3 @ 1.5'	S	02-11-19 12:03	1.5 ft	614585-003
SP-4 @ 1.5'	S	02-11-19 12:18	1.5 ft	614585-004
SP-5 @ 1.5'	S	02-11-19 12:12	1.5 ft	614585-005
SP-6 @ 1.5'	S	02-11-19 13:40	1.5 ft	614585-006
SP-7 @ 1.5'	S	02-11-19 13:30	1.5 ft	614585-007
SP-8 @ 1.5'	S	02-11-19 13:34	1.5 ft	614585-008
SP-9 @ 1.5'	S	02-11-19 14:58	1.5 ft	614585-009



CASE NARRATIVE

Client Name: *Trinity Oilfield Services & Rentals, LLC*

Project Name: *West Dollarhide Devonian Unit #122*

Project ID:

Work Order Number(s): 614585

Report Date: 21-FEB-19

Date Received: 02/14/2019

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3079643 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Batch: LBA-3079756 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.



Certificate of Analytical Results 614585



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **SP-1 @1.5'**

Matrix: Soil

Date Received: 02.14.19 12.18

Lab Sample Id: 614585-001

Date Collected: 02.11.19 14.28

Sample Depth: 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 02.15.19 16.30

Basis: Wet Weight

Seq Number: 3079447

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	89.6	4.95	mg/kg	02.16.19 00.38		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 02.14.19 17.00

Basis: Wet Weight

Seq Number: 3079290

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	02.15.19 03.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	531	15.0	mg/kg	02.15.19 03.46		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	137	15.0	mg/kg	02.15.19 03.46		1
Total TPH	PHC635	668	15.0	mg/kg	02.15.19 03.46		1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	02.15.19 03.46	
o-Terphenyl	84-15-1	95	%	70-135	02.15.19 03.46	



Certificate of Analytical Results 614585



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **SP-1 @1.5'**

Matrix: Soil

Date Received: 02.14.19 12.18

Lab Sample Id: 614585-001

Date Collected: 02.11.19 14.28

Sample Depth: 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 02.18.19 17.00

Basis: Wet Weight

Seq Number: 3079643

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.19.19 18.40	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.19.19 18.40	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.19.19 18.40	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.19.19 18.40	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.19.19 18.40	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.19.19 18.40	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.19.19 18.40	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	87	%	70-130	02.19.19 18.40		
4-Bromofluorobenzene	460-00-4	85	%	70-130	02.19.19 18.40		



Certificate of Analytical Results 614585



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **SP-2 @1.5'**

Matrix: Soil

Date Received: 02.14.19 12.18

Lab Sample Id: 614585-002

Date Collected: 02.11.19 11.23

Sample Depth: 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 02.15.19 16.30

Basis: Wet Weight

Seq Number: 3079447

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	7.65	5.03	mg/kg	02.16.19 00.44		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 02.14.19 17.00

Basis: Wet Weight

Seq Number: 3079290

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	02.15.19 04.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	02.15.19 04.06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	02.15.19 04.06	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	02.15.19 04.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	02.15.19 04.06	
o-Terphenyl	84-15-1	93	%	70-135	02.15.19 04.06	



Certificate of Analytical Results 614585



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **SP-2 @1.5'**

Matrix: Soil

Date Received: 02.14.19 12.18

Lab Sample Id: 614585-002

Date Collected: 02.11.19 11.23

Sample Depth: 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 02.18.19 17.00

Basis: Wet Weight

Seq Number: 3079643

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.19.19 19.01	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.19.19 19.01	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.19.19 19.01	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.19.19 19.01	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.19.19 19.01	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.19.19 19.01	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.19.19 19.01	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	86	%	70-130	02.19.19 19.01		
1,4-Difluorobenzene	540-36-3	91	%	70-130	02.19.19 19.01		



Certificate of Analytical Results 614585



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **SP-3 @1.5'**

Matrix: Soil

Date Received: 02.14.19 12.18

Lab Sample Id: 614585-003

Date Collected: 02.11.19 12.03

Sample Depth: 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 02.15.19 16.30

Basis: Wet Weight

Seq Number: 3079447

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	119	4.99	mg/kg	02.16.19 00.50		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 02.14.19 17.00

Basis: Wet Weight

Seq Number: 3079290

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	02.15.19 04.26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	02.15.19 04.26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9	mg/kg	02.15.19 04.26	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	02.15.19 04.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	02.15.19 04.26	
o-Terphenyl	84-15-1	92	%	70-135	02.15.19 04.26	



Certificate of Analytical Results 614585



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **SP-3 @1.5'**

Matrix: Soil

Date Received: 02.14.19 12.18

Lab Sample Id: 614585-003

Date Collected: 02.11.19 12.03

Sample Depth: 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 02.19.19 16.45

Basis: Wet Weight

Seq Number: 3079756

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.20.19 00.43	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.20.19 00.43	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.20.19 00.43	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.20.19 00.43	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.20.19 00.43	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.20.19 00.43	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.20.19 00.43	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	87	%	70-130	02.20.19 00.43		
4-Bromofluorobenzene	460-00-4	86	%	70-130	02.20.19 00.43		



Certificate of Analytical Results 614585



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **SP-4 @1.5'**

Matrix: Soil

Date Received: 02.14.19 12.18

Lab Sample Id: 614585-004

Date Collected: 02.11.19 12.18

Sample Depth: 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 02.15.19 16.30

Basis: Wet Weight

Seq Number: 3079447

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	244	4.95	mg/kg	02.16.19 00.56		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 02.14.19 17.00

Basis: Wet Weight

Seq Number: 3079290

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	02.15.19 04.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	02.15.19 04.46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	02.15.19 04.46	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	02.15.19 04.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	02.15.19 04.46	
o-Terphenyl	84-15-1	92	%	70-135	02.15.19 04.46	



Certificate of Analytical Results 614585



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **SP-4 @1.5'**

Matrix: Soil

Date Received: 02.14.19 12.18

Lab Sample Id: 614585-004

Date Collected: 02.11.19 12.18

Sample Depth: 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 02.19.19 16.45

Basis: Wet Weight

Seq Number: 3079756

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.20.19 01.05	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.20.19 01.05	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.20.19 01.05	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.20.19 01.05	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.20.19 01.05	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.20.19 01.05	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.20.19 01.05	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	84	%	70-130	02.20.19 01.05		
1,4-Difluorobenzene	540-36-3	84	%	70-130	02.20.19 01.05		



Certificate of Analytical Results 614585



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **SP-5 @1.5'**

Matrix: Soil

Date Received: 02.14.19 12.18

Lab Sample Id: 614585-005

Date Collected: 02.11.19 12.12

Sample Depth: 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 02.15.19 16.30

Basis: Wet Weight

Seq Number: 3079447

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	319	4.95	mg/kg	02.16.19 01.02		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 02.14.19 17.00

Basis: Wet Weight

Seq Number: 3079290

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9	mg/kg	02.15.19 05.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9	mg/kg	02.15.19 05.06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9	mg/kg	02.15.19 05.06	U	1
Total TPH	PHC635	<14.9	14.9	mg/kg	02.15.19 05.06	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	92	%	70-135	02.15.19 05.06	
o-Terphenyl	84-15-1	91	%	70-135	02.15.19 05.06	



Certificate of Analytical Results 614585



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **SP-5 @1.5'**

Matrix: Soil

Date Received: 02.14.19 12.18

Lab Sample Id: 614585-005

Date Collected: 02.11.19 12.12

Sample Depth: 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 02.19.19 16.45

Basis: Wet Weight

Seq Number: 3079756

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00201	0.00201	mg/kg	02.20.19 01.26	U	1
Toluene	108-88-3	<0.00201	0.00201	mg/kg	02.20.19 01.26	U	1
Ethylbenzene	100-41-4	<0.00201	0.00201	mg/kg	02.20.19 01.26	U	1
m,p-Xylenes	179601-23-1	<0.00402	0.00402	mg/kg	02.20.19 01.26	U	1
o-Xylene	95-47-6	<0.00201	0.00201	mg/kg	02.20.19 01.26	U	1
Total Xylenes	1330-20-7	<0.00201	0.00201	mg/kg	02.20.19 01.26	U	1
Total BTEX		<0.00201	0.00201	mg/kg	02.20.19 01.26	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	88	%	70-130	02.20.19 01.26		
4-Bromofluorobenzene	460-00-4	84	%	70-130	02.20.19 01.26		



Certificate of Analytical Results 614585



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **SP-6 @1.5'**

Matrix: Soil

Date Received: 02.14.19 12.18

Lab Sample Id: 614585-006

Date Collected: 02.11.19 13.40

Sample Depth: 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 02.15.19 16.30

Basis: Wet Weight

Seq Number: 3079447

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	247	4.95	mg/kg	02.16.19 01.21		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 02.14.19 17.00

Basis: Wet Weight

Seq Number: 3079290

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	02.15.19 05.26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	02.15.19 05.26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	02.15.19 05.26	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	02.15.19 05.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	93	%	70-135	02.15.19 05.26	
o-Terphenyl	84-15-1	91	%	70-135	02.15.19 05.26	



Certificate of Analytical Results 614585



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **SP-6 @1.5'**

Matrix: Soil

Date Received: 02.14.19 12.18

Lab Sample Id: 614585-006

Date Collected: 02.11.19 13.40

Sample Depth: 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 02.19.19 16.45

Basis: Wet Weight

Seq Number: 3079756

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00199	0.00199	mg/kg	02.20.19 02.50	U	1
Toluene	108-88-3	<0.00199	0.00199	mg/kg	02.20.19 02.50	U	1
Ethylbenzene	100-41-4	<0.00199	0.00199	mg/kg	02.20.19 02.50	U	1
m,p-Xylenes	179601-23-1	<0.00398	0.00398	mg/kg	02.20.19 02.50	U	1
o-Xylene	95-47-6	<0.00199	0.00199	mg/kg	02.20.19 02.50	U	1
Total Xylenes	1330-20-7	<0.00199	0.00199	mg/kg	02.20.19 02.50	U	1
Total BTEX		<0.00199	0.00199	mg/kg	02.20.19 02.50	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	88	%	70-130	02.20.19 02.50		
1,4-Difluorobenzene	540-36-3	89	%	70-130	02.20.19 02.50		



Certificate of Analytical Results 614585



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **SP-7 @1.5'**

Matrix: Soil

Date Received: 02.14.19 12.18

Lab Sample Id: 614585-007

Date Collected: 02.11.19 13.30

Sample Depth: 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 02.15.19 16.30

Basis: Wet Weight

Seq Number: 3079447

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8.90	4.95	mg/kg	02.16.19 01.27		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 02.14.19 17.00

Basis: Wet Weight

Seq Number: 3079290

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	02.15.19 05.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	02.15.19 05.46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	02.15.19 05.46	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	02.15.19 05.46	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	95	%	70-135	02.15.19 05.46	
o-Terphenyl	84-15-1	93	%	70-135	02.15.19 05.46	



Certificate of Analytical Results 614585



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **SP-7 @1.5'**

Matrix: Soil

Date Received: 02.14.19 12.18

Lab Sample Id: 614585-007

Date Collected: 02.11.19 13.30

Sample Depth: 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 02.19.19 16.45

Basis: Wet Weight

Seq Number: 3079756

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.20.19 03.11	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.20.19 03.11	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.20.19 03.11	U	1
m,p-Xylenes	179601-23-1	<0.00401	0.00401	mg/kg	02.20.19 03.11	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.20.19 03.11	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.20.19 03.11	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.20.19 03.11	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	85	%	70-130	02.20.19 03.11		
4-Bromofluorobenzene	460-00-4	86	%	70-130	02.20.19 03.11		



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Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **SP-8 @1.5'**

Matrix: Soil

Date Received: 02.14.19 12.18

Lab Sample Id: 614585-008

Date Collected: 02.11.19 13.34

Sample Depth: 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 02.15.19 16.30

Basis: Wet Weight

Seq Number: 3079447

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	149	4.95	mg/kg	02.16.19 01.47		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 02.14.19 17.00

Basis: Wet Weight

Seq Number: 3079290

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	02.15.19 06.06	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	02.15.19 06.06	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	02.15.19 06.06	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	02.15.19 06.06	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	111-85-3	92	%	70-135	02.15.19 06.06		
o-Terphenyl	84-15-1	90	%	70-135	02.15.19 06.06		



Certificate of Analytical Results 614585



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **SP-8 @1.5'**

Matrix: Soil

Date Received: 02.14.19 12.18

Lab Sample Id: 614585-008

Date Collected: 02.11.19 13.34

Sample Depth: 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 02.19.19 16.45

Basis: Wet Weight

Seq Number: 3079756

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00200	0.00200	mg/kg	02.20.19 03.32	U	1
Toluene	108-88-3	<0.00200	0.00200	mg/kg	02.20.19 03.32	U	1
Ethylbenzene	100-41-4	<0.00200	0.00200	mg/kg	02.20.19 03.32	U	1
m,p-Xylenes	179601-23-1	<0.00399	0.00399	mg/kg	02.20.19 03.32	U	1
o-Xylene	95-47-6	<0.00200	0.00200	mg/kg	02.20.19 03.32	U	1
Total Xylenes	1330-20-7	<0.00200	0.00200	mg/kg	02.20.19 03.32	U	1
Total BTEX		<0.00200	0.00200	mg/kg	02.20.19 03.32	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	91	%	70-130	02.20.19 03.32		
4-Bromofluorobenzene	460-00-4	91	%	70-130	02.20.19 03.32		



Certificate of Analytical Results 614585



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **SP-9 @1.5'**

Matrix: Soil

Date Received: 02.14.19 12.18

Lab Sample Id: 614585-009

Date Collected: 02.11.19 14.58

Sample Depth: 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 02.15.19 16.30

Basis: Wet Weight

Seq Number: 3079447

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	294	4.98	mg/kg	02.16.19 01.53		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: ARM

% Moisture:

Analyst: ARM

Date Prep: 02.14.19 17.00

Basis: Wet Weight

Seq Number: 3079290

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0	mg/kg	02.15.19 06.26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0	mg/kg	02.15.19 06.26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0	mg/kg	02.15.19 06.26	U	1
Total TPH	PHC635	<15.0	15.0	mg/kg	02.15.19 06.26	U	1

Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag
1-Chlorooctane	111-85-3	94	%	70-135	02.15.19 06.26	
o-Terphenyl	84-15-1	94	%	70-135	02.15.19 06.26	



Certificate of Analytical Results 614585



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

West Dollarhide Devonian Unit #122

Sample Id: **SP-9 @1.5'**

Matrix: Soil

Date Received: 02.14.19 12.18

Lab Sample Id: 614585-009

Date Collected: 02.11.19 14.58

Sample Depth: 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Analyst: SCM

Date Prep: 02.19.19 16.45

Basis: Wet Weight

Seq Number: 3079756

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	<0.00202	0.00202	mg/kg	02.20.19 03.54	U	1
Toluene	108-88-3	<0.00202	0.00202	mg/kg	02.20.19 03.54	U	1
Ethylbenzene	100-41-4	<0.00202	0.00202	mg/kg	02.20.19 03.54	U	1
m,p-Xylenes	179601-23-1	<0.00403	0.00403	mg/kg	02.20.19 03.54	U	1
o-Xylene	95-47-6	<0.00202	0.00202	mg/kg	02.20.19 03.54	U	1
Total Xylenes	1330-20-7	<0.00202	0.00202	mg/kg	02.20.19 03.54	U	1
Total BTEX		<0.00202	0.00202	mg/kg	02.20.19 03.54	U	1
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene	460-00-4	89	%	70-130	02.20.19 03.54		
1,4-Difluorobenzene	540-36-3	83	%	70-130	02.20.19 03.54		



Flagging Criteria



- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

** Surrogate recovered outside laboratory control limit.

BRL Below Reporting Limit.

RL Reporting Limit

MDL Method Detection Limit **SDL** Sample Detection Limit **LOD** Limit of Detection

PQL Practical Quantitation Limit **MQL** Method Quantitation Limit **LOQ** Limit of Quantitation

DL Method Detection Limit

NC Non-Calculable

SMP Client Sample **BLK** Method Blank

BKS/LCS Blank Spike/Laboratory Control Sample **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

MD/SD Method Duplicate/Sample Duplicate **MS** Matrix Spike **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



Trinity Oilfield Services & Rentals, LLC
West Dollarhide Devonian Unit #122

Analytical Method: Chloride by EPA 300

Seq Number: 3079447

MB Sample Id: 7671883-1-BLK

Matrix: Solid

LCS Sample Id: 7671883-1-BKS

Prep Method: E300P

Date Prep: 02.15.19

LCSD Sample Id: 7671883-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	<0.858	250	247	99	242	97	90-110	2	20	mg/kg	02.15.19 23:22	

Analytical Method: Chloride by EPA 300

Seq Number: 3079447

Parent Sample Id: 614584-015

Matrix: Soil

MS Sample Id: 614584-015 S

Prep Method: E300P

Date Prep: 02.15.19

MSD Sample Id: 614584-015 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	933	250	1140	83	1180	99	90-110	3	20	mg/kg	02.15.19 23:40	X

Analytical Method: Chloride by EPA 300

Seq Number: 3079447

Parent Sample Id: 614585-005

Matrix: Soil

MS Sample Id: 614585-005 S

Prep Method: E300P

Date Prep: 02.15.19

MSD Sample Id: 614585-005 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Chloride	319	248	551	94	571	102	90-110	4	20	mg/kg	02.16.19 01:09	

Analytical Method: TPH By SW8015 Mod

Seq Number: 3079290

MB Sample Id: 7671840-1-BLK

Matrix: Solid

LCS Sample Id: 7671840-1-BKS

Prep Method: TX1005P

Date Prep: 02.14.19

LCSD Sample Id: 7671840-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<8.00	1000	910	91	881	88	70-135	3	20	mg/kg	02.14.19 22:27	
Diesel Range Organics (DRO)	<8.13	1000	1000	100	976	98	70-135	2	20	mg/kg	02.14.19 22:27	

Surrogate

	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	98		123		124		70-135	%	02.14.19 22:27
o-Terphenyl	98		109		108		70-135	%	02.14.19 22:27

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC
West Dollarhide Devonian Unit #122

Analytical Method: TPH By SW8015 Mod

Seq Number: 3079290

Parent Sample Id: 614452-001

Matrix: Soil

MS Sample Id: 614452-001 S

Prep Method: TX1005P

Date Prep: 02.14.19

MSD Sample Id: 614452-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	<7.98	997	887	89	894	89	70-135	1	20	mg/kg	02.14.19 23:27	
Diesel Range Organics (DRO)	11.8	997	907	90	906	90	70-135	0	20	mg/kg	02.14.19 23:27	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	117		110		70-135	%	02.14.19 23:27
o-Terphenyl	94		91		70-135	%	02.14.19 23:27

Analytical Method: BTEX by EPA 8021B

Seq Number: 3079643

MB Sample Id: 7672058-1-BLK

Matrix: Solid

LCS Sample Id: 7672058-1-BKS

Prep Method: SW5030B

Date Prep: 02.18.19

LCSD Sample Id: 7672058-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.121	121	0.119	119	70-130	2	35	mg/kg	02.19.19 03:21	
Toluene	<0.00200	0.100	0.0980	98	0.0945	95	70-130	4	35	mg/kg	02.19.19 03:21	
Ethylbenzene	<0.00200	0.100	0.113	113	0.110	110	70-130	3	35	mg/kg	02.19.19 03:21	
m,p-Xylenes	<0.00401	0.200	0.233	117	0.227	114	70-130	3	35	mg/kg	02.19.19 03:21	
o-Xylene	<0.00200	0.100	0.109	109	0.106	106	70-130	3	35	mg/kg	02.19.19 03:21	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	91		110		91		70-130	%	02.19.19 03:21
4-Bromofluorobenzene	96		78		70		70-130	%	02.19.19 03:21

Analytical Method: BTEX by EPA 8021B

Seq Number: 3079756

MB Sample Id: 7672140-1-BLK

Matrix: Solid

LCS Sample Id: 7672140-1-BKS

Prep Method: SW5030B

Date Prep: 02.19.19

LCSD Sample Id: 7672140-1-BSD

Parameter	MB Result	Spike Amount	LCS Result	LCS %Rec	LCSD Result	LCSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.113	112	0.115	115	70-130	2	35	mg/kg	02.19.19 20:05	
Toluene	<0.00201	0.101	0.0852	84	0.107	107	70-130	23	35	mg/kg	02.19.19 20:05	
Ethylbenzene	<0.00201	0.101	0.105	104	0.109	109	70-130	4	35	mg/kg	02.19.19 20:05	
m,p-Xylenes	<0.00402	0.201	0.231	115	0.237	119	70-130	3	35	mg/kg	02.19.19 20:05	
o-Xylene	<0.00201	0.101	0.102	101	0.104	104	70-130	2	35	mg/kg	02.19.19 20:05	

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	90		127		88		70-130	%	02.19.19 20:05
4-Bromofluorobenzene	82		89		103		70-130	%	02.19.19 20:05

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

[D] = 100*(C-A) / B
RPD = 200* |(C-E) / (C+E)|
[D] = 100 * (C) / [B]
Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
A = Parent Result
C = MS/LCS Result
E = MSD/LCSD Result

MS = Matrix Spike
B = Spike Added
D = MSD/LCSD % Rec



Trinity Oilfield Services & Rentals, LLC
West Dollarhide Devonian Unit #122

Analytical Method: BTEX by EPA 8021B

Seq Number: 3079643

Parent Sample Id: 614885-001

Matrix: Soil

MS Sample Id: 614885-001 S

Prep Method: SW5030B

Date Prep: 02.18.19

MSD Sample Id: 614885-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00201	0.101	0.111	110	0.0987	99	70-130	12	35	mg/kg	02.19.19 08:58	
Toluene	<0.00201	0.101	0.0884	88	0.0885	89	70-130	0	35	mg/kg	02.19.19 08:58	
Ethylbenzene	<0.00201	0.101	0.0950	94	0.0841	84	70-130	12	35	mg/kg	02.19.19 08:58	
m,p-Xylenes	<0.00402	0.201	0.188	94	0.166	83	70-130	12	35	mg/kg	02.19.19 08:58	
o-Xylene	<0.00201	0.101	0.0887	88	0.0784	79	70-130	12	35	mg/kg	02.19.19 08:58	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	120		110		70-130	%	02.19.19 08:58
4-Bromofluorobenzene	75		80		70-130	%	02.19.19 08:58

Analytical Method: BTEX by EPA 8021B

Seq Number: 3079756

Parent Sample Id: 614584-020

Matrix: Soil

MS Sample Id: 614584-020 S

Prep Method: SW5030B

Date Prep: 02.19.19

MSD Sample Id: 614584-020 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date	Flag
Benzene	<0.00200	0.100	0.129	129	0.122	122	70-130	6	35	mg/kg	02.19.19 20:48	
Toluene	<0.00200	0.100	0.0976	98	0.109	109	70-130	11	35	mg/kg	02.19.19 20:48	
Ethylbenzene	<0.00200	0.100	0.113	113	0.0985	99	70-130	14	35	mg/kg	02.19.19 20:48	
m,p-Xylenes	<0.00400	0.200	0.239	120	0.213	106	70-130	12	35	mg/kg	02.19.19 20:48	
o-Xylene	<0.00200	0.100	0.109	109	0.0912	91	70-130	18	35	mg/kg	02.19.19 20:48	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	125		95		70-130	%	02.19.19 20:48
4-Bromofluorobenzene	107		75		70-130	%	02.19.19 20:48

MS/MSD Percent Recovery
Relative Percent Difference
LCS/LCSD Recovery
Log Difference

$[D] = 100 * (C - A) / B$
 $RPD = 200 * |(C - E) / (C + E)|$
 $[D] = 100 * (C) / [B]$
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample
 A = Parent Result
 C = MS/LCS Result
 E = MSD/LCSD Result

MS = Matrix Spike
 B = Spike Added
 D = MSD/LCSD % Rec

104585

Company: Trinity Oilfield Services & Rentals, LLC Phone: (575)390-7208

Address: P.O. Box 2587 Fax:

City: Hobbs State: NM Zip: 88241

PM/Attn: Ben J. Arguijo Email: wade.dittrich@oxy.com & ben@trinityoilfieldservices.com

Project ID: West Dollarhide Devonian Unit #122 PO#:

Invoice To: Oxy - Wade Dittrich (575)390-2828 Quote #:

Sampler Name: Josh Halcomb Circle One Event: Daily Weekly Monthly Quarterly Semi-Annual Annual N/A

Sample #	Sample ID	Collect Date	Collect Time	Matrix Code	Field Filtered	Integrity OK (Y/N)	Total # of Containers	Example Volatiles by 8260	TPH	BTEX	Chloride	Hold Sample (CALL) Run PAH on Highest TPH Only if
1	SP-1 @ 1.5'	2/11/19	1428	S			1		X	X	X	
2	SP-2 @ 1.5'	2/11/19	1123	S			1		X	X	X	
3	SP-3 @ 1.5'	2/11/19	1203	S			1		X	X	X	
4	SP-4 @ 1.5'	2/11/19	1218	S			1		X	X	X	
5	SP-5 @ 1.5'	2/11/19	1212	S			1		X	X	X	
6	SP-6 @ 1.5'	2/11/19	1340	S			1		X	X	X	
7	SP-7 @ 1.5'	2/11/19	1330	S			1		X	X	X	
8	SP-8 @ 1.5'	2/11/19	1334	S			1		X	X	X	
9	SP-9 @ 1.5'	2/11/19	1458	S			1		X	X	X	
0												

TAT Work Days = D Need results by: Time: Std (5-7D) 5Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other

ANALYSES REQUESTED

Cont Type VC	GC	GC	GC									
Pres Type	I	I	I									
Example Volatiles by 8260	TPH 8015M	BTEX	Chloride									
# Cont	Lab Only:											

* Container Type Codes			
VA Vial Amber	ES Encore Sampler	TS TerraCore Sampler	AC Air Canister
VC Vial Clear	TS TerraCore Sampler	AC Air Canister	TB Tedlar Bag
VP Vial Pre-preserved	AC Air Canister	TB Tedlar Bag	ZB Zip Lock Bag
GA Glass Amber	TB Tedlar Bag	ZB Zip Lock Bag	PC Plastic Clear
GC Glass Clear	ZB Zip Lock Bag	PC Plastic Clear	
PA Plastic Amber	PC Plastic Clear		
PC Plastic Clear			
Size(s): 2oz, 4oz, 8oz, 16oz, 32oz, 1Gal, 40ml, 125 ml, 250 ml, 500 ml, 1L, Other			

** Preservative Type Codes			
A. None	E. HCL	I. Ice	J. MCAA
B. HNO ₃	F. MeOH	K. ZnAc&NaOH	L. Asbc Acid&NaOH
C. H ₂ SO ₄	G. Na ₂ S ₂ O ₃		
D. NaOH	H. NaHSO ₄		

^ Matrix Type Codes			
GW Ground Water	S Soil/Sediment/Solid	W Wipe	A Air
WW Waste Water	W Wipe	O Oil	T Tissue
DW Drinking Water	A Air	U Urine	B Blood
SW Surface Water	O Oil		
OW Ocean/Sea Water	T Tissue		
PL Product-Liquid	U Urine		
PS Product-Solid	B Blood		
SL Sludge			

REMARKS

Reg. Program / Clean-up Std						STATE for Certs & Regs								QA/QC Level & Certification				EDDs		COC & Labels		Coolers Temp °C		Lab Use Only		YES NO N/A					
CTLs	TRRP	DW	NPDES	LPST	DryCin	FL	TX	GA	NC	SC	NJ	PA	OK	1	2	3	4	CLP	AFCEE	QAPP	ADaPT	SEDD	ERPIMS	Match	Incomplete	0.1		2	3	Non-Conformances found?	
Other:						LA	AL	NM	Other:					NELAC	DoD-ELAP	Other:					XLS	Other:	Absent	Unclear						Samples intact upon arrival?	
Relinquished by						Affiliation								Date		Time		Received by		Affiliation		Date		Time		Received on Wet Ice?					
1	Josh Halcomb					Trinity								2/13/19		4:28		Brittany Cox		M.S		2/13/19		4:28		Labeled with proper preservatives?					
2	Brittany Cox					M.S								2/13/19		4:45		Brittany Cox		M.S		2/13/19		4:28		Received within holding time?					
3																										Custody seals intact?					
4																										VOCs rec'd w/o headspace?					
																										Proper containers used?					
																										pH verified-acceptable, excl VOCs?					
																										Received on time to meet HTs?					
3A Laboratories: Hobbs 575-392-7550 Dallas 214-902-0300 Houston 281-242-4900																															

SA Laboratories: Hobbs 575-392-7550 Dallas 214-902-0300 Houston 281-242-4200 Odessa 432-563-1800 San Antonio 210-509-3334 Phoenix 602-437-0330
TS Service Centers: Atlanta 770-449-8800 Lakeland 863-646-8526 Tampa 803-543-8099 Philadelphia 610-955-5649 South Carolina 803-543-8099

C.O.C. Serial #

Execution of this document by client creates a legal and binding agreement between client and Xenco for analytical and testing services provided by Xenco to client under Xenco's standard terms and conditions unless previously agreed in writing. Terms of payment are Net 30 days, and all past due amounts shall accrue interest at 1.5% per month until paid in full. All laboratory analytical data and reports generated by Xenco remain the exclusive property of Xenco until invoices for such data are paid in full.
Revision Date: Nov 12, 2009

SHIP DATE: 13FEB19
ACTWGT: 46 00 LB MAN
CAD: 0909328/CAFE3211
DIMS: 26x15x14 IN
BILL RECIPIENT

EX EX
EX SHIP
500 COUNTY RD
MIDLAND TX 79711
563-1800
REF: 1

43
122
80

DEPT

FedEx
Express

THU - 14 FEB HOLD
STANDARD OVERNIGHT
MAFA
TX-US

MAFA LBB
TX-US

TRK#
0201

4705 2520 1625

41 MAFB



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 02/14/2019 12:18:19 PM

Work Order #: 614585

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sample Receipt Checklist

Comments

#1 *Temperature of cooler(s)?	.1
#2 *Shipping container in good condition?	Yes
#3 *Samples received on ice?	Yes
#4 *Custody Seals intact on shipping container/ cooler?	N/A
#5 Custody Seals intact on sample bottles?	N/A
#6 *Custody Seals Signed and dated?	N/A
#7 *Chain of Custody present?	Yes
#8 Any missing/extra samples?	No
#9 Chain of Custody signed when relinquished/ received?	Yes
#10 Chain of Custody agrees with sample labels/matrix?	Yes
#11 Container label(s) legible and intact?	Yes
#12 Samples in proper container/ bottle?	Yes
#13 Samples properly preserved?	Yes
#14 Sample container(s) intact?	Yes
#15 Sufficient sample amount for indicated test(s)?	Yes
#16 All samples received within hold time?	Yes
#17 Subcontract of sample(s)?	N/A
#18 Water VOC samples have zero headspace?	N/A

* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

Analyst:

PH Device/Lot#:

Checklist completed by:

Brianna Teel

Date: 02/14/2019

Checklist reviewed by:

Kelsey Brooks

Date: 02/14/2019



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

November 30, 2022

DAN DUNKELBERG

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587

HOBBS, NM 88241

RE: WDDU #122

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

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-001-00.3-NA-S (H225531-01)

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	11/23/2022	ND	1.98	99.2	2.00	1.43	
Toluene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.615	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.11	105	2.00	1.15	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.44	107	6.00	1.71	
Total BTEX	<0.300	0.300	11/23/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	11/23/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	193	96.3	200	0.896	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	202	101	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 86.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.2 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-002-00.3-NA-S (H225531-02)

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	11/23/2022	ND	1.98	99.2	2.00	1.43		
Toluene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.615		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.11	105	2.00	1.15		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.44	107	6.00	1.71		
Total BTEX	<0.300	0.300	11/23/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	193	96.3	200	0.896	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	202	101	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 86.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.5 % 46.3-178

Cardinal Laboratories

*=Accredited Analyte

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-003-00.3-NA-S (H225531-03)

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	1.98	99.2	2.00	1.43		
Toluene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.615		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.11	105	2.00	1.15		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.44	107	6.00	1.71		
Total BTEX	<0.300	0.300	11/23/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	11/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	193	96.3	200	0.896	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	202	101	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 70.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 76.1 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-004-00.3-NA-S (H225531-04)

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	11/23/2022	ND	1.98	99.2	2.00	1.43		
Toluene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.615		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.11	105	2.00	1.15		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.44	107	6.00	1.71		
Total BTEx	<0.300	0.300	11/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	193	96.3	200	0.896	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	202	101	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 104 % 45.3-161

Surrogate: 1-Chlorooctadecane 116 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-005-00.3-NA-S (H225531-05)

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	11/23/2022	ND	1.98	99.2	2.00	1.43		
Toluene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.615		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.11	105	2.00	1.15		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.44	107	6.00	1.71		
Total BTX	<0.300	0.300	11/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	193	96.3	200	0.896	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	202	101	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 74.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 81.6 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-006-00.3-NA-S (H225531-06)

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	11/23/2022	ND	1.98	99.2	2.00	1.43	
Toluene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.615	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.11	105	2.00	1.15	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.44	107	6.00	1.71	
Total BTX	<0.300	0.300	11/23/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	11/23/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	193	96.3	200	0.896	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	202	101	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 82.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.2 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-007-00.3-NA-S (H225531-07)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	1.98	99.2	2.00	1.43		
Toluene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.615		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.11	105	2.00	1.15		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.44	107	6.00	1.71		
Total BTX	<0.300	0.300	11/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/23/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	193	96.3	200	0.896	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	202	101	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 73.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 79.3 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-008-00.3-NA-S (H225531-08)

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	11/23/2022	ND	1.98	99.2	2.00	1.43		
Toluene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.615		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.11	105	2.00	1.15		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.44	107	6.00	1.71		
Total BTEX	<0.300	0.300	11/23/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/23/2022	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	193	96.3	200	0.896	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	202	101	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 79.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.5 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-009-00.3-NA-S (H225531-09)

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	11/23/2022	ND	1.98	99.2	2.00	1.43		
Toluene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.615		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.11	105	2.00	1.15		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.44	107	6.00	1.71		
Total BTEx	<0.300	0.300	11/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	11/23/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	193	96.3	200	0.896	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	202	101	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 73.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.1 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-010-00.3-NA-S (H225531-10)

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	11/23/2022	ND	1.98	99.2	2.00	1.43	
Toluene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.615	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.11	105	2.00	1.15	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.44	107	6.00	1.71	
Total BTEx	<0.300	0.300	11/23/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	11/23/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	193	96.3	200	0.896	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	202	101	200	2.66	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 62.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 67.4 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-011-00.3-NA-S (H225531-11)

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	11/23/2022	ND	1.98	99.2	2.00	1.43	
Toluene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.615	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.11	105	2.00	1.15	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.44	107	6.00	1.71	
Total BTX	<0.300	0.300	11/23/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	11/23/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 88.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 96.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-012-00.3-NA-S (H225531-12)

BTX 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/23/2022	ND	1.98	99.2	2.00	1.43		
Toluene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.615		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.11	105	2.00	1.15		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.44	107	6.00	1.71		
Total BTX	<0.300	0.300	11/23/2022	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	11/23/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 84.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.4 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-013-00.3-NA-S (H225531-13)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/23/2022	ND	1.98	99.2	2.00	1.43	
Toluene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.615	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.11	105	2.00	1.15	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.44	107	6.00	1.71	
Total BTX	<0.300	0.300	11/23/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	11/23/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 84.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.8 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-014-00.3-NA-S (H225531-14)

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	11/23/2022	ND	1.98	99.2	2.00	1.43	
Toluene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.615	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.11	105	2.00	1.15	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.44	107	6.00	1.71	
Total BTEx	<0.300	0.300	11/23/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1920	16.0	11/23/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 83.8 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-015-00.3-NA-S (H225531-15)

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	11/23/2022	ND	1.98	99.2	2.00	1.43		
Toluene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.615		
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.11	105	2.00	1.15		
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.44	107	6.00	1.71		
Total BTEX	<0.300	0.300	11/23/2022	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	11/23/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 103 % 45.3-161

Surrogate: 1-Chlorooctadecane 114 % 46.3-178

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Analytical Results For:

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

Received: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-016-00.3-NA-S (H225531-16)

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	11/23/2022	ND	1.98	99.2	2.00	1.43	
Toluene*	<0.050	0.050	11/23/2022	ND	2.09	104	2.00	0.615	
Ethylbenzene*	<0.050	0.050	11/23/2022	ND	2.11	105	2.00	1.15	
Total Xylenes*	<0.150	0.150	11/23/2022	ND	6.44	107	6.00	1.71	
Total BTX	<0.300	0.300	11/23/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	11/23/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 85.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 92.7 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-017-00.3-NA-S (H225531-17)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2022	ND	2.04	102	2.00	2.54	
Toluene*	<0.050	0.050	11/24/2022	ND	2.11	105	2.00	0.578	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.15	108	2.00	2.25	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.62	110	6.00	1.36	
Total BTX	<0.300	0.300	11/24/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	11/23/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 87.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.5 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-018-00.5-NA-S (H225531-18)

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	11/24/2022	ND	2.04	102	2.00	2.54	
Toluene*	<0.050	0.050	11/24/2022	ND	2.11	105	2.00	0.578	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.15	108	2.00	2.25	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.62	110	6.00	1.36	
Total BTEx	<0.300	0.300	11/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1600	16.0	11/23/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 87.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 97.0 % 46.3-178

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Analytical Results For:

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

Received: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-019-00.3-NA-S (H225531-19)

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	11/24/2022	ND	2.04	102	2.00	2.54	
Toluene*	<0.050	0.050	11/24/2022	ND	2.11	105	2.00	0.578	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.15	108	2.00	2.25	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.62	110	6.00	1.36	
Total BTEX	<0.300	0.300	11/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	11/23/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 77.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.1 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-020-00.5-NA-S (H225531-20)

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	11/24/2022	ND	2.04	102	2.00	2.54	
Toluene*	<0.050	0.050	11/24/2022	ND	2.11	105	2.00	0.578	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.15	108	2.00	2.25	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.62	110	6.00	1.36	
Total BTEx	<0.300	0.300	11/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1660	16.0	11/23/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 63.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 69.0 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-021-00.3-NA-S (H225531-21)

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	11/24/2022	ND	2.04	102	2.00	2.54	
Toluene*	<0.050	0.050	11/24/2022	ND	2.11	105	2.00	0.578	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.15	108	2.00	2.25	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.62	110	6.00	1.36	
Total BTEx	<0.300	0.300	11/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2600	16.0	11/23/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 86.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.3 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-022-00.3-NA-S (H225531-22)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2022	ND	2.04	102	2.00	2.54	
Toluene*	<0.050	0.050	11/24/2022	ND	2.11	105	2.00	0.578	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.15	108	2.00	2.25	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.62	110	6.00	1.36	
Total BTX	<0.300	0.300	11/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	816	16.0	11/23/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	64.1	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	30.1	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 98.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 117 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-023-00.5-NA-S (H225531-23)

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	11/24/2022	ND	2.04	102	2.00	2.54	
Toluene*	<0.050	0.050	11/24/2022	ND	2.11	105	2.00	0.578	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.15	108	2.00	2.25	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.62	110	6.00	1.36	
Total BTX	<0.300	0.300	11/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	11/23/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 89.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.6 % 46.3-178

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Analytical Results For:

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

Received: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-024-00.5-NA-S (H225531-24)

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	11/24/2022	ND	2.04	102	2.00	2.54	
Toluene*	<0.050	0.050	11/24/2022	ND	2.11	105	2.00	0.578	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.15	108	2.00	2.25	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.62	110	6.00	1.36	
Total BTX	<0.300	0.300	11/24/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	11/23/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	53.7	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	25.9	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 75.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.7 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-025-00.5-NA-S (H225531-25)

BTX 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/24/2022	ND	2.04	102	2.00	2.54	
Toluene*	<0.050	0.050	11/24/2022	ND	2.11	105	2.00	0.578	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.15	108	2.00	2.25	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.62	110	6.00	1.36	
Total BTX	<0.300	0.300	11/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	11/23/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	14.6	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 99.4 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-026-00.5-NA-S (H225531-26)

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	11/24/2022	ND	2.04	102	2.00	2.54	
Toluene*	<0.050	0.050	11/24/2022	ND	2.11	105	2.00	0.578	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.15	108	2.00	2.25	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.62	110	6.00	1.36	
Total BTX	<0.300	0.300	11/24/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	880	16.0	11/23/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	13.5	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 90.8 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-027-00.5-NA-S (H225531-27)

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	11/24/2022	ND	2.04	102	2.00	2.54	
Toluene*	<0.050	0.050	11/24/2022	ND	2.11	105	2.00	0.578	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.15	108	2.00	2.25	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.62	110	6.00	1.36	
Total BTEX	<0.300	0.300	11/24/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2520	16.0	11/23/2022	ND	448	112	400	7.41		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 90.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 99.2 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-028-00.3-NA-S (H225531-28)

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	11/24/2022	ND	2.04	102	2.00	2.54	
Toluene*	<0.050	0.050	11/24/2022	ND	2.11	105	2.00	0.578	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.15	108	2.00	2.25	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.62	110	6.00	1.36	
Total BTEX	<0.300	0.300	11/24/2022	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	11/23/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 73.9 % 45.3-161

Surrogate: 1-Chlorooctadecane 84.5 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-029-00.3-NA-S (H225531-29)

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	11/24/2022	ND	2.04	102	2.00	2.54	
Toluene*	<0.050	0.050	11/24/2022	ND	2.11	105	2.00	0.578	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.15	108	2.00	2.25	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.62	110	6.00	1.36	
Total BTEx	<0.300	0.300	11/24/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	912	16.0	11/23/2022	ND	448	112	400	7.41	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 80.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.8 % 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: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-030-00.3-NA-S (H225531-30)

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	11/24/2022	ND	2.04	102	2.00	2.54	
Toluene*	<0.050	0.050	11/24/2022	ND	2.11	105	2.00	0.578	
Ethylbenzene*	<0.050	0.050	11/24/2022	ND	2.15	108	2.00	2.25	
Total Xylenes*	<0.150	0.150	11/24/2022	ND	6.62	110	6.00	1.36	
Total BTEx	<0.300	0.300	11/24/2022	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	11/28/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	191	95.6	200	7.93	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	176	88.0	200	8.16	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 75.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 83.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 11/22/2022
 Reported: 11/30/2022
 Project Name: WDDU #122
 Project Number: NOT GIVEN
 Project Location: OXY - LEA CO., NM

Sampling Date: 11/22/2022
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: CF-031-00.3-NA-S (H225531-31)

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	11/29/2022	ND	2.04	102	2.00	2.54	
Toluene*	<0.050	0.050	11/29/2022	ND	2.11	105	2.00	0.578	
Ethylbenzene*	<0.050	0.050	11/29/2022	ND	2.15	108	2.00	2.25	
Total Xylenes*	<0.150	0.150	11/29/2022	ND	6.62	110	6.00	1.36	
Total BTEx	<0.300	0.300	11/29/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 86.9 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1140	16.0	11/28/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/23/2022	ND	197	98.3	200	0.448	
DRO >C10-C28*	<10.0	10.0	11/23/2022	ND	185	92.6	200	0.252	
EXT DRO >C28-C36	<10.0	10.0	11/23/2022	ND					

Surrogate: 1-Chlorooctane 87.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 95.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: Trinity Oilfield Services				BILL TO				ANALYSIS REQUEST			
Project Manager: Dan Dunkelberg				P.O. #:							
Address: 8426 N Dal Paso				Company: OXY USA, Inc.							
City: Hobbs				Attn: Wade Dittich							
State: NM Zip: 88241				Address:							
Phone #:				City:							
Project #:				State:							
Project Name: WDDU #122				Zip:							
Project Location: Lea Co., NM				Phone #:							
Sample Name: LP				Fax #:							
FOR LAB USE ONLY											
Lab I.D. 1005531				(G)RAB OR (C)OMP.							
Sample I.D.				# CONTAINERS							
				GROUNDWATER							
				WASTEWATER							
				SOIL							
				OIL							
				SLUDGE							
				OTHER :							
				ACID/BASE:							
				ICE / COOL							
				OTHER :							
				DATE							
				TIME							
CF-001-00.3-NA-S				X				Chloride			
CF-002-00.3-NA-S				X				TPH			
CF-003-00.3-NA-S				X				BTEX			
CF-004-00.3-NA-S				X							
CF-005-00.3-NA-S				X							
CF-006-00.3-NA-S				X							
CF-007-00.3-NA-S				X							
CF-008-00.3-NA-S				X							
CF-009-00.3-NA-S				X							
CF-010-00.3-NA-S				X							

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Relinquished By:		Received By:		Verbal Result:		Yes		No		Add'l Phone #:	
Date: 11/22/22		Date: 11/22/22		All Results are emailed. Please provide Email address:							
Time: 1540		Time: 1540									
Relinquished By: <i>[Signature]</i>		Received By: <i>[Signature]</i>		REMARKS:							
Time:		Time:									

Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)		Turnaround Time:		Standard		Bacteria (only) Sample Condition	
		33.8		Cool Intact		A.C.				X		Cool Intact	
Sampler - UPS - Bus - Other:		Corrected Temp. °C 33.8		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No						Rush		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	
												Observed Temp. °C	
												Corrected Temp. °C	

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

Page 35 of 37

Page 36 of 37

Page 37 of 37

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

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

CONDITIONS

Action 185671

CONDITIONS

Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696
	Action Number: 185671
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jnobui	Closure Report Approved. Please implement 19.15.29.13 NMAC when completing P&A.	2/23/2023