State of New Mexico Energy Minerals and Natural Resources

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Form C-141

Revised April 3, 2017

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505

Release Notification and Corrective Action

				OPERATOR								
					Contact WADE DITTRICH							
					Telephone No. 575-390-2828							
Facility Name MESA VERDE BS UNIT #8				Facility Type WELL								
Surface Owner FEDERAL Mineral Owner					FEDERAL API No. 30-025-44184			4				
LOCATION						EASE						
Unit Letter	Section	Township	Range	Feet from the	North/	South Line	Feet from the	East/V	Vest Line		Count	y
М	M 17 24S 32E 280 SC			OUTH	1146	W	WEST LEA		<u> </u>			
	Latitude_32.2109622 _ Longitude103.7015845 _ NAD83											
				NATU	JRE	OF RELE	ASE					
Type of Relea						Volume of I			Volume R		0 bbls	
Source of Rel	lease Cor	nection on I	Diesel tar	nk failed causing	leak	Date and He 02/27/2018	our of Occurrence	:e	Date and I	Hour of Dis	covery	
Was Immedia	ite Notice G					If YES, To						
			Yes _	No Not Req	uired		J-NMOCD; SHE			LM		
By Whom? Was a Watero	WADE D						our 02/28/2018					
was a water	course Reac		Yes 🛚	No		II YES, VOI	ume Impacting t	ine wate	ercourse.			
If a Watercou	rse was lmr	acted, Descri	be Fully.*									
	•		•			REC	EIVED					
								o4 O./)() am	May 1	1 20	10
	By Olivia Yu at 9:00 am, Mar 14, 2018											
Describe Cause of Problem and Remedial Action Taken.*												
Connection	Connection on Diesel tank failed causing leak. Connection has been repaired and returned to service.											
												20
Describe Area	a Affected a	nd Cleanun A	ction Tak	en *								15
20301100 1110		ina Cicanap i	iction ran									
				75x100 (measur				n GPS t	racking). l	Remediation	on will	be
completed in	n accordan	ce with a rer	nediation	ı plan approved b	y the	NMOCD and	BLM.					
				is true and comple								
				id/or file certain rel se of a C-141 report								
	should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other											
federal, state,	or local lav	/s and/or regu	lations.				OH CON	CEDV	ATION	DRAIGIC	221	
	-//		>		1		OIL CON	<u>SEK v</u>	ATION	DIAIZIC	<u> </u>	
Signature: /1/h/l/h/l/h/l/h/l/h/l/h/l/h/l/h/l/h/l/h			\mathcal{M}_{\perp}									
Printed Name	Printed Name: WADE DITTRICH Approved by Environmental Specialist:											
							3/14/201	8	-			
Title: ENV	IRONMEN	TAL SPECIA	LIST			Approval Date	: [5,11,201	<u> </u>	Expiration I	Date:		
E-mail Addre	ss: wade	dittrich@oxy	.com			Conditions of	Approval:			Attached		
Date: 3	-14-1	P Phone:	ETE 200	2020		see attac	hed directive	ve		Attached		
Date: Attach Addit		,		-202ō						1		
	DIICE	II I 1666331	··· J		14	RP-4992	nOY18	0733	2612	DOV.	1907	332707

State of New Mexico **Energy Minerals and Natural Resources**

Submit 1 Copy to appropriate District Office in accordance with 19.15.29 NMAC.

Oil Conservation Division 1220 South St. Francis Dr.

Form C-141

Revised April 3, 2017

						OPERA	FOR	1	Initia	l Report	Final F
Name of Co	ompany	OXY USA I	INC				VADE DITTRIC		Z Initia	ii Keport	
Address PO BOX 4294; HOUSTON, TX 77210					Telephone No. 575-390-2828						
Facility Name MESA VERDE BS UNIT #8						Facility Type WELL					
Surface Ow	ner FEI	DERAL		Mineral (Owner	FEDERAL			API No.	. 30-025	5-44184
				LOCA	ATIO	OF REI	LEASE				
Unit Letter	Section	Township	Range	Feet from the	North	/South Line	Feet from the	East/W	est Line		County
М	17	245	32E	280	S	OUTH	1146	WI	EST		LEA
			Latitud	de_32.210962	22 _ Loi	ngitude <u>-1</u>	03.7015845_	NAD83	3		
				NAT	TURE	OF RELI	EASE				
Type of Rele						Volume of			Volume R		0 bbls
Source of Re	elease Co	nnection on	Diesel tar	nk failed causin	g leak	Date and H 02/27/2018	lour of Occurrenc	e	Date and I	Hour of Dis	scovery
Was Immedia	ate Notice C	Given?				If YES, To					
		\boxtimes	Yes 🗌	No 🗌 Not R	equired		U-NMOCD; SHE	ELLY TU	JCKER-BI	LM	
By Whom?		DITTRICH				-	lour 02/28/2018				
Was a Water	course Read			l Ma		If YES, Vo	lume Impacting t	he Water	rcourse.		
			Yes 🛚	I NO							
		em and Reme	dial Action	n Taken.*	has been	Ву	CEIVED Olivia Yu a		00 am,	Mar 14	4, 2018
Connection Describe Are	on Diesel	em and Reme tank failed c	dial Action causing lea	n Taken.* ak. Connection l		By (e.			
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Incident ID	NOY1807332612
District RP	
Facility ID	
Application ID	

Closure

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

Closure Report Attachment Checklist: Each of the following	items must be included in the closure report.			
A scaled site and sampling diagram as described in 19.15.29.11 NMAC				
Photographs of the remediated site prior to backfill or photos must be notified 2 days prior to liner inspection)	s of the liner integrity if applicable (Note: appropriate OCD District office			
☐ Laboratory analyses of final sampling (Note: appropriate OD	C District office must be notified 2 days prior to final sampling)			
Description of remediation activities				
and regulations all operators are required to report and/or file certa may endanger public health or the environment. The acceptance of should their operations have failed to adequately investigate and rehuman health or the environment. In addition, OCD acceptance of compliance with any other federal, state, or local laws and/or regularestore, reclaim, and re-vegetate the impacted surface area to the coaccordance with 19.15.29.13 NMAC including notification with 19.15.29.	ations. The responsible party acknowledges they must substantially onditions that existed prior to the release or their final land use in OCD when reclamation and re-vegetation are complete.			
Printed Name: Wade Dittrich	Title: Environmental Coordinator			
Signature: Wrle Ditirh	Date: 11/29/2023			
email: Wade_Dittrich@oxy.com	Telephone: 575-390-2828			
OCD Only				
Received by:	Date:			
	y of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible /or regulations.			
Closure Approved by:	Date:			
Printed Name:	Title:			
_				

of New Mexico

Insident ID NOV1807333612

Incident ID	NOY1807332612
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.

>105 (ft bgs)
☐ Yes ☑ No
tical extents of soil
S.

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.

Received by OCD: 12/11/2023 12:16:33 PM Form C-141 State of New Mexico Page 4 Oil Conservation Division

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Incident ID	NOY1807332612
District RP	
Facility ID	
Application ID	

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Trinity Oilfield Services & Rentals, LLC



November 29th, 2023

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

Re: Closure Request

Mesa Verde BS Unit #8 Tracking #: NOY1807332612

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	NOY1807332612		
Site Name	Mesa Verde BS Unit #8		
Company	OXY USA, Inc.		
County	Lea		
ULSTR	M-17-24S-32E		
GPS Coordinates (NAD 83)	32.2109622, -103.7015845		
Landowner	Federal		

HISTORICAL RELEASE BACKGROUND

This site had previously been remediated but no paperwork existed for verification, therefore, OXY performed confirmation sampling to verify remediation limits had been met.

On 2/28/2018, OXY USA, Inc. reported a release at the Mesa Verde BS Unit #8. The release was caused when a connection on a diesel tank failed. Approximately 11,108 sqft. of the Pad was found to be damp upon initial inspection.

Release Information			
Date of Release	2/27/2018		
Type of Release	Diesel		
Source of Release	Equipment Failure		
Volume Released – Diesel	7 bbls		
Volume Recovered – Diesel	0 bbls		
Affected Area – Damp Soil	Pad - Approximately 11,108 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-13	06/21/2023	105'

A search of the groundwater well databases maintained by the New Mexico Office of the State Engineer (NMOSE) and the United States Geological Survey (USGS) was conducted to determine if any registered groundwater wells are located within a $^{1}/_{2}$ 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 06/21/2023, Trinity was onsite to drill a groundwater determination borehole (SB-13) to 105' below ground surface within a ½ 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 105' below surface at the borehole location (32.21119430, -103.70826819). The driller log is attached for reference.

General Site Characterization:

Site Assessment			
Karst Potential	Low		
Distance to Watercourse	> 1,000 ft.		
Within 100 yr Floodplain	No		
Pasture Impact	No		

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

Closure Criteria:

On-Site & Off-Site 4ft bgs Recommend	ed 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 S	ummary
Delineation Dates	03/06/2019 - 11/15/2023
Depths Sampled	0.5' - 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 (Delineation: Xenco Laboratories of Midland, TX; Remediation: 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 S	Summary
Remediation Dates	03/30/2023 - 09/29/2023
Workplan Approval	At Risk
Confirmation Sample Notification	03/24/2023
Liner Variance Request	None
Deferral Request	None
Depths Excavated	0.3' - 1'
Area Represented by the required 5-point	200 sqft.
Confirmation Samples – Floors and Walls	200 sqrt.
Total Volume of Excavated Soil	176 yards
Remediation Map	Attached
Laboratory Results	Table 2

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

Upon receiving laboratory analytical data showing that confirmation soil samples from the excavated areas yield results below the selected NMOCD Table 1 Closure Criteria; the impacted soil was transported under manifest to an NMOCD-approved disposal facility 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 Landowner requested seed mixture during the first favorable growing season following the closure of the site by the applicable regulatory agency.

REQUEST FOR CLOSURE

Supporting Docu	ımentation
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

Dan Dunkelberg

Cynthia Jordan Project Scientist

Cynthia Jordan



Cynthia Jordan <cynthia@trinityoilfieldservices.com>

Confirmation Sample Notification - NOY1807332612 2018 MINOR A SPL

1 message

Dan Dunkelberg <dan@trinityoilfieldservices.com>

Fri, Mar 24, 2023 at 1:36 PM

To: OCD.Enviro@emnrd.nm.gov

Cc: Josh Halcomb <josh@trinityoilfieldservices.com>, Cynthia Jordan <cynthia@trinityoilfieldservices.com>

This is a notification that Trinity Oilfield Services will conduct confirmation sampling on behalf of OXY USA, Inc. at the above referenced site on Wednesday, March 29, 2023, at 8:00 a.m.

Dan Dunkelberg Environmental Regulatory Manager



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

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

OXY USA, INC. MESA VERDE BS UNIT #8 LEA COUNTY, NEW MEXICO NMOCD REFERENCE #: NOY1807332612

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						NWO	CD REFEREN	CE #: NOY180	OILFIELD SERVICES							
						EPA S	W-846 Method	i 8021B				EPA S	W-846 Method	I 8015M		EPA 300
SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	SOIL STATUS	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 C6-C12 (mg/kg)	DRO C12-C28 (mg/kg)	GRO+ DRO (mg/kg)	MRO C28-C35 (mg/kg)	TPH C6-C35 (mg/kg)	CHLORIDE (mg/kg)
NMOC	D Closure Lim	its (mg/kg)	•	10	NE	NE	NE	NE	NE	50	NE	NE	1,000	NE	2,500	20,000
							Vertical	Delineation								
SP-1 @ 6"	6"	4/9/2019	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	124	124	<15.0	124	2,020
SP-1	1.5'	3/6/2019	In-Situ	<0.0020	<0.0020	<0.0020	0.0046	<0.0020	0.0046	0.0046	<14.9	<14.9	<14.9	<14.9	<14.9	502
SP-2	1.5'	3/6/2019	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	388
SP-3 @ 6"	6"	4/9/2019	In-Situ	<0.0020	0.0022	0.0061	0.0494	0.0409	0.0903	0.0985	436	5,800	6,236	925	7,160	279
SP-3	1.5'	3/6/2019	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	121	121	28.0	149	514
SP-4	1.5'	3/6/2019	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	18.8
SP-5 @ 6"	6"	4/9/2019	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	68.5	68.5	17.5	86.0	121
SP-5	1.5'	3/6/2019	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	<5.00
SP-6	1.5'	3/6/2019	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-7 @ 6"	6"	4/9/2019	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	24.4	24.4	<15.0	24.4	76.6
SP-7	1.5'	3/6/2019	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	156
SP-8	1.5'	3/6/2019	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	10.4
SP-9 @ 6"	6"	4/9/2019	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	29.9	29.9	<15.0	29.9	237
SP-9	1.5'	3/6/2019	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	83.2
SP-10	1.5'	3/6/2019	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	44.5
SP-11 @ 6"	6"	4/9/2019	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	19.0	19.0	<15.0	19.0	68.4
SP-11	1.5'	3/6/2019	In-Situ	<0.0020	<0.0020	0.0028	<0.0040	<0.0020	<0.0020	0.0028	<15.0	<15.0	<15.0	<15.0	<15.0	68.0
SP-12 @ 6"	6"	4/9/2019	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	218	218	32.8	251	108
SP-12	1.5'	3/6/2019	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	45.8
SP-13 @ 6"	6"	4/9/2019	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	217	217	17.1	234	682
SP-13	1.5'	3/6/2019	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	56.4
SP-14	1.5'	3/6/2019	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	8.74
SP-15 @ 6"	6"	4/9/2019	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<14.9	1,060	1,060	17.9	1,080	127
SP-15	1.5'	3/6/2019	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	16.4
SP-16 @ 6"	6"	4/9/2019	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	3,230	3,230	1,120	4,350	1,200
SP-16	1.5'	3/7/2019	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	307	307	309	616	280
SP-17 @ 6"	6"	4/9/2019	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	59.6	59.6	89.8	149	206
SP-17	1.5'	3/7/2019	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	66.0	66.0	498	564	113
SP-18	1.5'	3/7/2019	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	101
SP-19 @ 6"	6"	4/9/2019	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	706	706	130	836	1,010
SP-19	1.5'	3/7/2019	In-Situ	<0.0020	<0.0020	<0.0020	<0.0040	<0.0020	<0.0020	<0.0020	<15.0	116	116	19.5	136	189
							Horizont	al Delineation								
DH-001-01.0-HS-S	1'	11/15/2023	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
DH-002-01.0-HE-S	1'	11/15/2023	In-Situ	<0.050	<0.050	<0.050	-	_	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
DH-003-01.0-HN-S	1'	11/15/2023	In-Situ	<0.050	<0.050	<0.050	-	-	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
DH-004-01.0-HW-S	1'	11/15/2023	In-Situ	<0.050	< 0.050	< 0.050	-	-	<0.150	< 0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576

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

OXY USA, INC. MESA VERDE BS UNIT #8 LEA COUNTY, NEW MEXICO NMOCD REFERENCE #: NOY1807332612

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SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	FLOOR/ WALL	OFF-SITE/ ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
		NMOCD Clo	sure Limits Pac	d			20000	2500	1000	NE	NE	NE	50	10
	١	IMOCD Closure	Limits Pasture	e to 4'			600	100	NE	NE	NE	NE	50	10
						Remedi	ation Floors							
CF-001.0-00.5-S	0.5	3/30/2023	Floor	On-Site	Composite	In-Situ	1090	74.2	61.5	<10.0	61.5	12.7	<.300	<0.50
CF-002.0-00.5-S	0.5	3/30/2023	Floor	On-Site	Composite	In-Situ	192	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-003.0-00.5-S	0.5	3/30/2023	Floor	On-Site	Composite	In-Situ	304	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-004.0-00.5-S	0.5	3/30/2023	Floor	On-Site	Composite	In-Situ	320	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-005.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	192	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-006.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	208	55.1	55.1	<10.0	55.1	<10.0	<.300	<0.50
CF-007.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	240	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-008.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	640	16.3	16.3	<10.0	16.3	<10.0	<.300	<0.50
CF-009.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	864	370	254	<10.0	254	116	<.300	<0.50
CF-010.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	480	388	244	<10.0	244	144	<.300	<0.50
CF-011.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	272	66.2	44.1	<10.0	44.1	22.1	<.300	<0.50
CF-012.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	496	28.7	28.7	<10.0	28.7	<10.0	<.300	<0.50
CF-013.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	192	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-014.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	160	48.2	48.2	<10.0	48.2	<10.0	<.300	<0.50
CF-015.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	128	32.3	32.3	<10.0	32.3	<10.0	<.300	<0.50
CF-016.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	80	21.1	21.1	<10.0	21.1	<10.0	<.300	<0.50
CF-017.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	48	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-018.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	288	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-019.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	1010	41.7	29.4	<10.0	29.4	12.3	<.300	<0.50
CF-020.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	6960	75.1	75.1	<10.0	75.1	<10.0	<.300	<0.50
CF-021.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	4960	140.7	123	<10.0	123	17.7	<.300	<0.50
CF-022.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	1200	25.3	25.3	<10.0	25.3	<10.0	<.300	<0.50
CF-023.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	208	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-024.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	240	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-025.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	160	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-026.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	160	259.3	194	<10.0	194	65.3	<.300	<0.50
CF-027.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	80	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-028.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	112	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-029.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	192	26.1	26.1	<10.0	26.1	<10.0	<.300	<0.50
CF-030.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	208	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-031.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	176	60	48.1	<10.0	48.1	11.9	<.300	<0.50
CF-032.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	272	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-033.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	208	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-034.0-00.3-S	0.3	3/30/2023	Floor	On-Site	Composite	In-Situ	240	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-035.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	160	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-036.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	400	17.5	17.5	<10.0	17.5	<10.0	<.300	<0.50
CF-037.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	640	181.8	124	<10.0	124	57.8	<.300	<0.50

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

OXY USA, INC. MESA VERDE BS UNIT #8 LEA COUNTY, NEW MEXICO NMOCD REFERENCE #: NOY1807332612

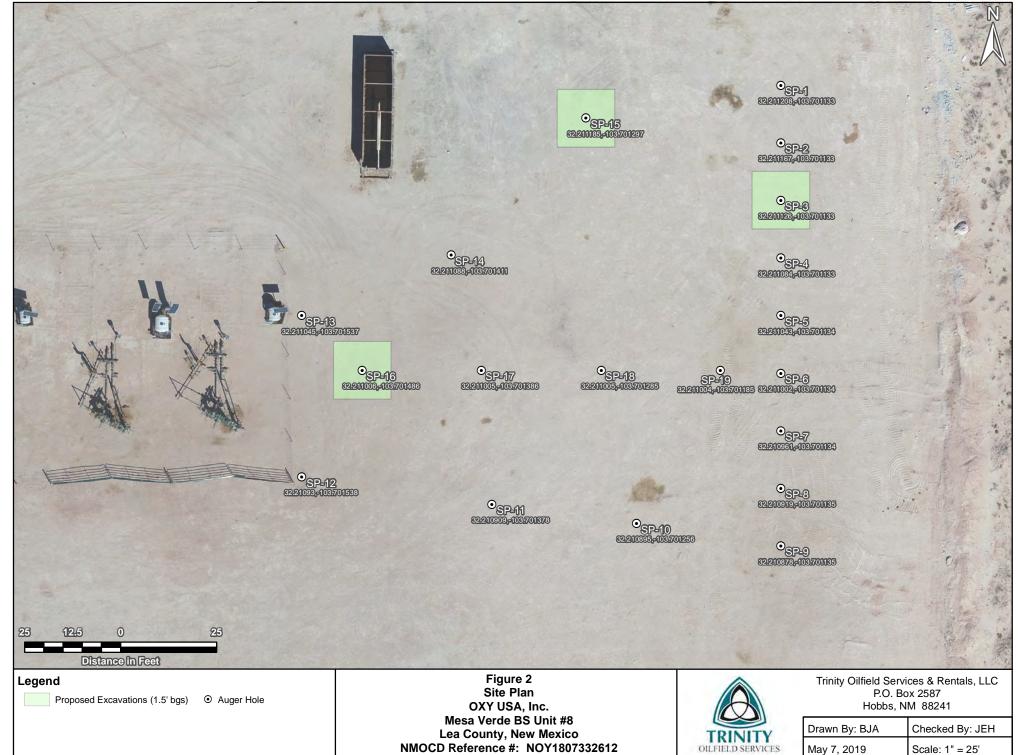


SAMPLE LOCATION	SAMPLE DEPTH (BGS)	SAMPLE DATE	FLOOR/ WALL	OFF-SITE/ ON-SITE	SAMPLE TYPE	SOIL STATUS	CHLORIDE (mg/Kg)	TPH C6-C36 (mg/Kg)	GRO+ DRO (mg/kg)	GRO C6-C10 (mg/Kg)	DRO C10-C28 (mg/Kg)	MRO C28-C36 (mg/Kg)	TOTAL BTEX (mg/Kg)	BENZENE (mg/Kg)
	I.	NMOCD Clo	sure Limits Pa	d	L	1	20000	2500	1000	NE	NE	NE	50	10
	N	NMOCD Closure	Limits Pasture	to 4'			600	100	NE	NE	NE	NE	50	10
CF-038.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	4240	82.4	62.6	<10.0	62.6	19.8	<.300	<0.50
CF-039.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	5440	97.4	84.4	<10.0	84.4	13	<.300	<0.50
CF-040.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	2200	321.9	282	<10.0	282	39.9	<.300	<0.50
CF-041.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	880	831	655	<10.0	655	176	<.300	<0.50
CF-042.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	2240	331.4	282	<10.0	282	49.4	<.300	<0.50
CF-043.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	1060	339.7	246	<10.0	246	93.7	<.300	<0.50
CF-044.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	Excavated	608	1878	1380	<10.0	1380	498	<.300	<0.50
CF-044.0-01.0-S	1	4/14/2023	Floor	On-Site	Composite	In-Situ	160	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-045.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	Excavated	320	1923	1470	<10.0	1470	453	<.300	<0.50
CF-045.0-01.0-S	1	4/14/2023	Floor	On-Site	Composite	In-Situ	160	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-046.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	320	667	488	<10.0	488	179	<.300	<0.50
CF-047.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	Excavated	160	2074	1530	<10.0	1530	544	<.300	<0.50
CF-047.0-01.0-S	1	4/14/2023	Floor	On-Site	Composite	In-Situ	32	656	543	<10.0	543	113	<.300	<0.50
CF-048.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	Excavated	240	1576	1240	<10.0	1240	336	<.300	<0.50
CF-048.0-01.0-S	1	4/14/2023	Floor	On-Site	Composite	In-Situ	144	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-049.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	336	1369	954	<10.0	954	415	<.300	<0.50
CF-050.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	384	1051	771	<10.0	771	280	<.300	<0.50
CF-051.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	Excavated	384	1420	1050	<10.0	1050	370	<.300	<0.50
CF-051.0-01.0-S	1	4/14/2023	Floor	On-Site	Composite	In-Situ	144	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-052.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	Excavated	400	1970	1530	<10.0	1530	440	<.300	<0.50
CF-052.0-01.0-S	1	4/14/2023	Floor	On-Site	Composite	In-Situ	160	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-053.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	Excavated	384	2442	1940	<10.0	1940	502	<.300	<0.50
CF-053.0-01.0-S	1	4/14/2023	Floor	On-Site	Composite	In-Situ	160	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-054.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	In-Situ	464	103	103	<10.0	103	<10.0	<.300	<0.50
CF-055.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	Excavated	1760	1263.3	1220	<10.0	1220	43.3	<.300	<0.50
CF-055.0-01.0-S	1	4/14/2023	Floor	On-Site	Composite	In-Situ	16	<10.0	<10.0	<10.0	<10.0	<10.0	<.300	<0.50
CF-056.0-00.3-S	0.3	3/31/2023	Floor	On-Site	Composite	Excavated	1220	2506	2390	<10.0	2390	116	<.300	<0.50
CF-056.0-01.0-S	1	4/14/2023	Floor	On-Site	Composite	In-Situ	16	667	554	<10.0	554	113	<.300	<0.50
						Remed	iation Walls							
CW-001.0-00.0-S	0	9/29/2023	Floor	On-Site	Composite	In-Situ	1,040.00	127.70	117.00	<10.0	117.00	10.70	<.300	<0.50

NMOCD Reference #: NOY1807332612

March 20, 2019

Scale: 1" = 2,000'





SOIL BORE LOG SB-13



PROJECT NAME Mesa Verde BS Unit #8 **CLIENT** OXY USA, Inc.

DRILLING DATE 06/21/2023 TOTAL DEPTH 105' $\textbf{COORDINATES} \ \ 32.21119430, \ \textbf{-}103.70826819$

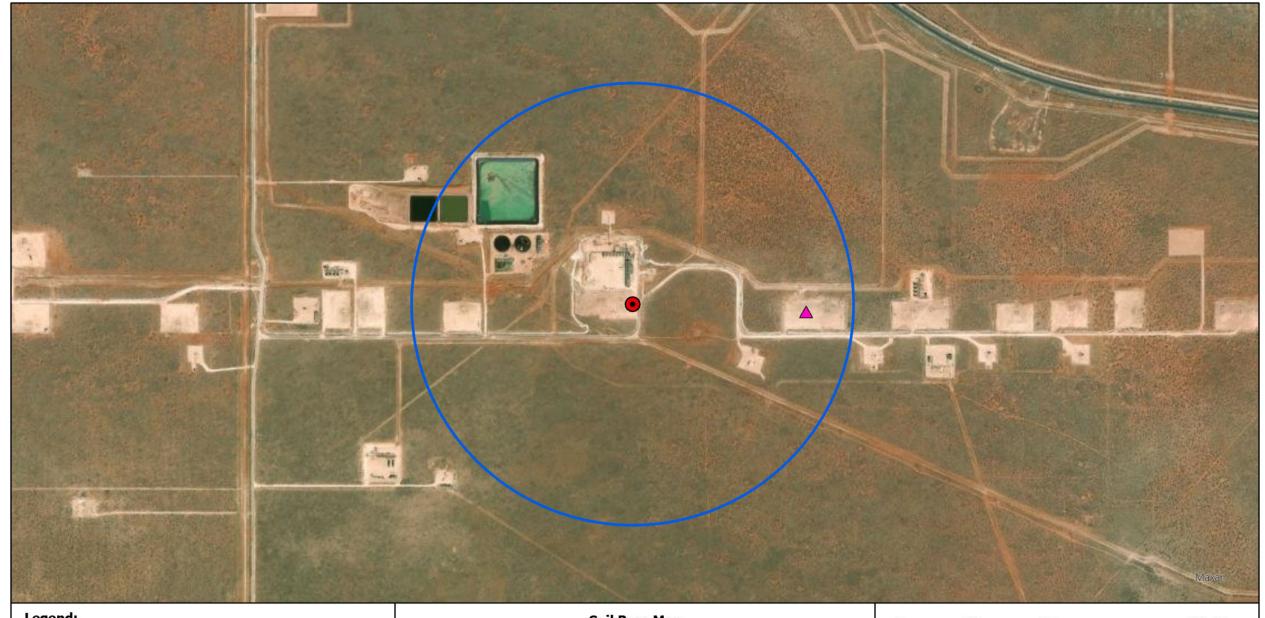
COORD SYS NAD 83 ULSTR P-18-24S-32E SURFACE ELEVATION 3721'

COMMENTS Spud on the Southeast side of the Mesa Verde Bone Spring Unit #011H Well Pad. Bore Hole was observed to be dry after 72 hrs.

LOGGED BY CJ CHECKED BY DD

Depth (ft)	Moisture	Material Description	Elevation (ft)
	D	Reddish Yellow Sandy Clay Loam. Dry	3720
		Reddish Yellow Sandy Loam. Dry	3715
		Light Red Sandy Clay Loam. Dry	3710
		Red Sandy Loam. Dry	3705
		Reddish Brown Sandy Loam. Dry	3700
i		Red Sandy Clay Loam. Dry	3695
)			- 3690
5			- 3685
0			3680
5		Red Sandy Clay. Dry	3675
0			- 3670
5			3665
0		Yellowish Red Sandy Clay Loam. Dry	3660
5		Red Sandy Clay Loam. Dry	3655
)			3650
5			3645
0			3640
5		Red Sandy Clay. Dry	3635
0		Red Sandy Clay Loam. Dry	3630
5			3625
00			3620
05		Termination Depth at: 105 ft.	3615

Received by OCD: 12/11/2023 12:16:33 PM Page 19 of 225



Legend:



△ Site Location

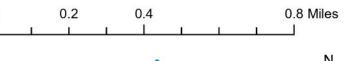


Soil Bore



1/2 Mile Buffer

Soil Bore Map OXY USA, Inc. Mesa Verde BS Unit #8 Lea County, New Mexico 32.2109622, -103.7015845 NMOCD Reference # NOY1807332612







OXY USA, Inc. – Mesa Verde BS Unit #8

Unit Letter "M" (SW/SW), Section 17, Township 24S, Range 32E



Release Site



Release Site

OXY USA, Inc. – Mesa Verde BS Unit #8

Unit Letter "M" (SW/SW), Section 17, Township 24S, Range 32E



Release Site

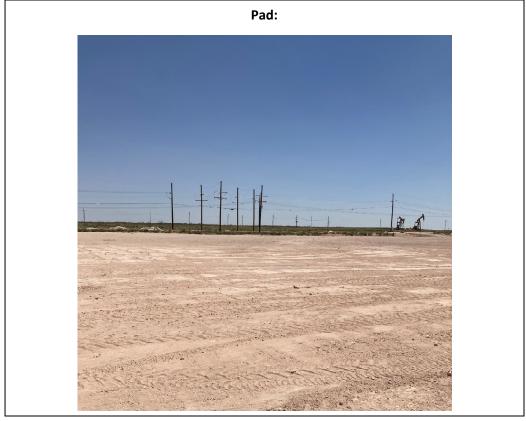


Release Site



Excavation

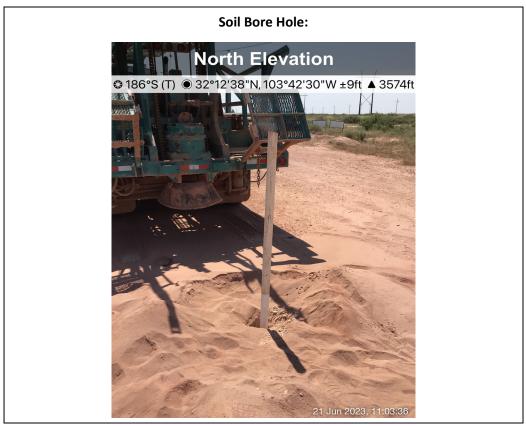






Excavation

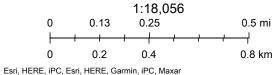




NOY1807332612 | MESA VERDE BS UNIT #8

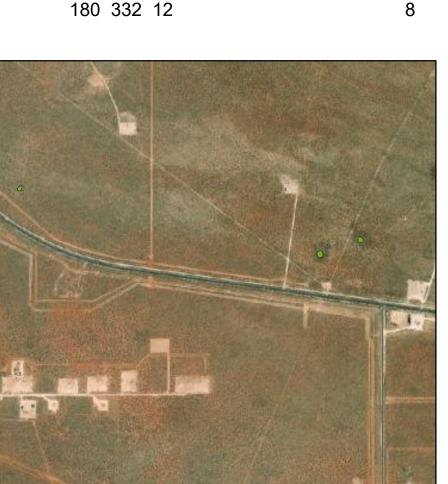


5/2/2023, 8:44:04 AM





National Wetlands Inventory





Estuarine and Marine Deepwater

Estuarine and Marine Wetland

Freshwater Emergent Wetland

Freshwater Forested/Shrub Wetland

Freshwater Pond

Other

Riverine

be used in accordance with the layer metadata found on the Wetlands Mapper web site.

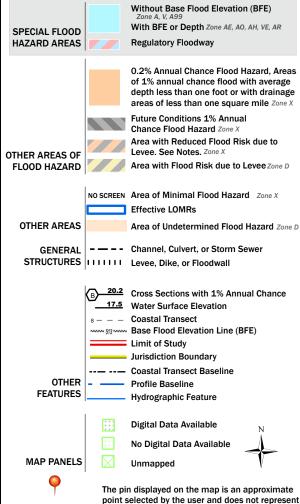
National Flood Hazard Layer FIRMette





Legend

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



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 5/2/2023 at 10:48 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

an authoritative property location.

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.



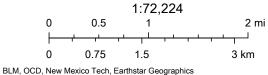
NOY1807332612 | MESA VERDE BS UNIT #8

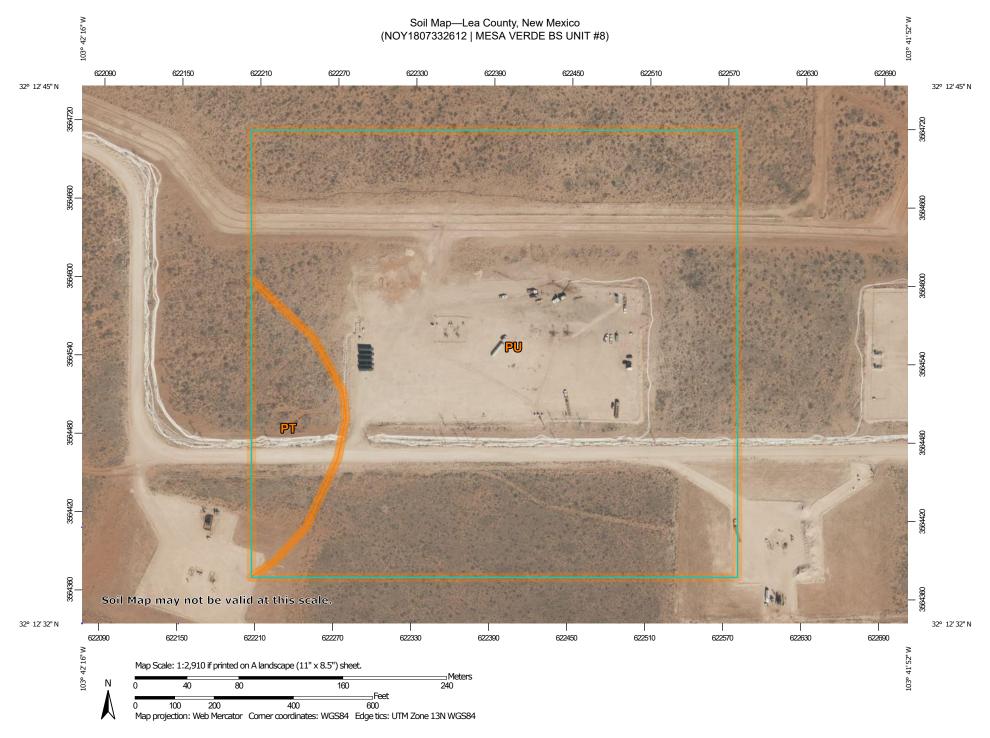


5/2/2023, 8:46:48 AM

Karst Occurrence Potential







Soil Map—Lea County, New Mexico (NOY1807332612 | MESA VERDE BS UNIT #8)

MAP LEGEND

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0

Δ

Water Features

Transportation

Background

Spoil Area

Stony Spot

Wet Spot

Other

Rails

US Routes

Major Roads

Local Roads

Very Stony Spot

Special Line Features

Streams and Canals

Interstate Highways

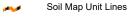
Aerial Photography

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Unit Polygons



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

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: Feb 7, 2020—May 12, 2020

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

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
PT	Pyote loamy fine sand	2.7	8.5%
PU	Pyote and Maljamar fine sands	29.1	91.5%
Totals for Area of Interest		31.8	100.0%



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Mesa Verde BS Unit #8



Project Id: Contact:

Ben Arguijo

Project Location:

Date Received in Lab: Wed Mar-13-19 12:45 pm

Report Date: 21-MAR-19 **Project Manager:** Holly Taylor

	Lab Id:	617507-0	001	617507-0	002	617507-0	003	617507-	004	617507-	005	617507-0	006
Anglusis Paguastad	Field Id:	SP-1		SP-2		SP-3		SP-4		SP-5		SP-6	
Analysis Requested	Depth:												
	Matrix:	SOIL	,	SOIL		SOIL		SOIL		SOIL		SOIL	,
	Sampled:	Mar-06-19	Mar-06-19 11:50		11:56	Mar-06-19	12:03	Mar-06-19	12:08	Mar-06-19	12:12	Mar-06-19	12:14
BTEX by EPA 8021B	Extracted:	Mar-19-19	13:00	Mar-19-19	13:00	Mar-19-19	13:00	Mar-19-19	13:00	Mar-19-19	13:00	Mar-19-19	13:00
	Analyzed:	Mar-19-19	Mar-19-19 20:54		21:13	Mar-19-19	21:32	Mar-19-19	21:51	Mar-19-19	22:10	Mar-19-19	22:29
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		< 0.00200	0.00200	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00201	0.00201	< 0.00199	0.00199
Toluene		< 0.00200	0.00200	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00201	0.00201	< 0.00199	0.00199
Ethylbenzene		< 0.00200	0.00200	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00201	0.00201	< 0.00199	0.00199
n,p-Xylenes		0.00461	0.00400	< 0.00403	0.00403	< 0.00400	0.00400	< 0.00399	0.00399	< 0.00402	0.00402	< 0.00398	0.00398
o-Xylene		< 0.00200	0.00200	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00201	0.00201	< 0.00199	0.00199
Total Xylenes		0.00461	0.00200	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00201	0.00201	< 0.00199	0.00199
Total BTEX		0.00461	0.00200	< 0.00202	0.00202	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00201	0.00201	< 0.00199	0.00199
Chloride by EPA 300	Extracted:	Mar-14-19	12:00	Mar-14-19 12:00		Mar-14-19 12:00		Mar-14-19 12:00		Mar-14-19 12:00		Mar-14-19 12:0	
	Analyzed:	Mar-14-19	16:11	Mar-14-19 16:22		Mar-14-19 16:33		Mar-14-19 16:43		Mar-14-19 16:54		Mar-14-19 17:	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		502	5.00	388	5.00	514	4.95	18.8	4.99	< 5.00	5.00	106	4.96
TPH By SW8015 Mod	Extracted:	Mar-15-19	10:00	Mar-15-19	10:00	Mar-15-19	10:00	Mar-15-19	10:00	Mar-15-19	10:00	Mar-15-19	10:00
	Analyzed:	Mar-15-19	16:29	Mar-15-19	17:27	Mar-15-19	17:47	Mar-15-19	18:07	Mar-15-19	18:26	Mar-15-19	18:46
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Gasoline Range Hydrocarbons (GRO)		<14.9	14.9	<15.0	15.0	<14.9	14.9	<15.0	15.0	<15.0	15.0	<15.0	15.0
Diesel Range Organics (DRO)		<14.9	14.9	<15.0	15.0	121	14.9	<15.0	15.0	<15.0	15.0	<15.0	15.0
Motor Oil Range Hydrocarbons (MRO)		<14.9	14.9	<15.0	15.0	28.0	14.9	<15.0	15.0	<15.0	15.0	<15.0	15.0
Total TPH		<14.9	14.9	<15.0	15.0	149	14.9	<15.0	15.0	<15.0	15.0	<15.0	15.0

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Holly Taylor Project Manager



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Mesa Verde BS Unit #8



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Wed Mar-13-19 12:45 pm

Report Date: 21-MAR-19 **Project Manager:** Holly Taylor

	Lab Id:	617507-0	007	617507-0	no	617507-0	000	617507-	010	617507-	011	617507-0	012
)O /		108		109						
Analysis Requested	Field Id:	SP-7		SP-8		SP-9		SP-10		SP-11		SP-12	2
1	Depth:												
	Matrix:	SOIL		SOIL		SOIL		SOIL	,	SOIL		SOIL	,
	Sampled:	Mar-06-19	Mar-06-19 12:17		12:19	Mar-06-19	12:21	Mar-06-19	13:29	Mar-06-19	13:32	Mar-06-19	13:34
BTEX by EPA 8021B	Extracted:	Mar-19-19	13:00	Mar-19-19	13:00	Mar-19-19	13:00	Mar-19-19	13:00	Mar-19-19	13:00	Mar-19-19	13:00
	Analyzed:	Mar-19-19	Mar-19-19 22:48		23:07	Mar-19-19	23:26	Mar-19-19	23:45	Mar-20-19	00:59	Mar-20-19	01:18
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene		< 0.00199	0.00199	< 0.00202	0.00202	< 0.00198	0.00198	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00199	0.00199
Toluene		< 0.00199	0.00199	< 0.00202	0.00202	< 0.00198	0.00198	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00199	0.00199
Ethylbenzene		< 0.00199	0.00199	< 0.00202	0.00202	< 0.00198	0.00198	< 0.00200	0.00200	0.00275	0.00200	< 0.00199	0.00199
m,p-Xylenes		< 0.00398	0.00398	< 0.00403	0.00403	< 0.00397	0.00397	< 0.00400	0.00400	< 0.00401	0.00401	< 0.00398	0.00398
o-Xylene		< 0.00199	0.00199	< 0.00202	0.00202	< 0.00198	0.00198	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00199	0.00199
Total Xylenes		< 0.00199	0.00199	< 0.00202	0.00202	< 0.00198	0.00198	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00199	0.00199
Total BTEX		< 0.00199	0.00199	< 0.00202	0.00202	< 0.00198	0.00198	< 0.00200	0.00200	0.00275	0.00200	< 0.00199	0.00199
Chloride by EPA 300	Extracted:	Mar-14-19	12:00	Mar-14-19 12:30		Mar-14-19 12:30		Mar-14-19 12:30		Mar-14-19 12:30		Mar-14-19	12:30
	Analyzed:	Mar-14-19	17:15	Mar-15-19	08:55	Mar-15-19 09:14		Mar-15-19 09:20		Mar-15-19 09:26		26 Mar-15-19 (
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride	·	156	5.00	10.4	5.01	83.2	5.01	44.5	5.00	68.0	4.97	45.8	4.98
TPH By SW8015 Mod	Extracted:	Mar-15-19	10:00	Mar-15-19	10:00	Mar-15-19	10:00	Mar-15-19	10:00	Mar-15-19	10:00	Mar-15-19	10:00
	Analyzed:	Mar-15-19	Mar-15-19 19:05		19:25	Mar-15-19	19:44	Mar-15-19	20:04	Mar-15-19	21:02	Mar-15-19	21:22
	Units/RL:	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	<15.0	15.0
Motor Oil Range Hydrocarbons (MRO)		<15.0	15.0	<15.0	15.0	<15.0	15.0	<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	<15.0	15.0	<15.0	15.0	<15.0	15.0

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Holly Taylor
Project Manager



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Mesa Verde BS Unit #8



Project Id: Contact:

Ben Arguijo

Project Location:

Date Received in Lab: Wed Mar-13-19 12:45 pm

Report Date: 21-MAR-19 **Project Manager:** Holly Taylor

			1										
	Lab Id:	617507-0	013	617507-0	014	617507-0	015	617507-	016	617507-	017	617507-0	018
Analysis Requested	Field Id:	SP-13	;	SP-14	,	SP-15		SP-16		SP-17		SP-18	3
Anaiysis Requesteu	Depth:												
	Matrix:	SOIL	,	SOIL		SOIL		SOIL	,	SOIL		SOIL	
	Sampled:	Mar-06-19	Mar-06-19 13:40		13:43	Mar-06-19	13:45	Mar-07-19	10:54	Mar-07-19	10:57	Mar-07-19	11:01
BTEX by EPA 8021B	Extracted:	Mar-19-19	13:00	Mar-19-19	13:00	Mar-19-19	13:00	Mar-20-19	13:30	Mar-20-19	13:30	Mar-20-19	13:30
	Analyzed:	Mar-20-19	Mar-20-19 01:37		01:56	Mar-20-19	02:15	Mar-20-19	22:45	Mar-20-19	23:04	Mar-20-19	23:23
	Units/RL:	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	< 0.00200	0.00200	< 0.00199	0.00199
Toluene		< 0.00200	0.00200	< 0.00201	0.00201	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00199	0.00199
Ethylbenzene		< 0.00200	0.00200	< 0.00201	0.00201	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00199	0.00199
ı,p-Xylenes		< 0.00399	0.00399	< 0.00402	0.00402	< 0.00398	0.00398	< 0.00400	0.00400	< 0.00401	0.00401	< 0.00398	0.00398
o-Xylene		< 0.00200	0.00200	< 0.00201	0.00201	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00199	0.00199
Total Xylenes		< 0.00200	0.00200	< 0.00201	0.00201	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00199	0.00199
Total BTEX		< 0.00200	0.00200	< 0.00201	0.00201	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00199	0.00199
Chloride by EPA 300	Extracted:	Mar-14-19	12:30	Mar-14-19 12:30		Mar-14-19 12:30		Mar-14-19	12:30	Mar-14-19 15:00		Mar-14-19 15:0	
	Analyzed:	Mar-15-19	09:50	Mar-15-19	09:56	Mar-15-19 10:02		Mar-15-19 10:08		Mar-14-19 17:48		Mar-14-19 18:	
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		56.4	4.96	8.74	5.01	16.4	4.97	280	4.97	113	4.97	101	5.00
TPH By SW8015 Mod	Extracted:	Mar-15-19	10:00	Mar-15-19	10:00	Mar-15-19	10:00	Mar-15-19	10:00	Mar-15-19	10:00	Mar-15-19	10:00
	Analyzed:	Mar-15-19	21:42	Mar-15-19	22:01	Mar-15-19	22:21	Mar-15-19	22:40	Mar-15-19	23:00	Mar-15-19	23:20
	Units/RL:	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	<14.9	14.9	<15.0	15.0	<15.0	15.0	<15.0	15.0	<15.0	15.0
Diesel Range Organics (DRO)		<15.0	15.0	<14.9	14.9	<15.0	15.0	307	15.0	66.0	15.0	<15.0	15.0
Motor Oil Range Hydrocarbons (MRO)		<15.0	15.0	<14.9	14.9	<15.0	15.0	309	15.0	498	15.0	<15.0	15.0
Total TPH		<15.0	15.0	<14.9	14.9	<15.0	15.0	616	15.0	564	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



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Mesa Verde BS Unit #8



Project Id:

Contact: Ben Arguijo

Project Location:

Date Received in Lab: Wed Mar-13-19 12:45 pm

Report Date: 21-MAR-19 **Project Manager:** Holly Taylor

Analysis Requested	Lab Id:	617507-019			
	Field Id:	SP-19			
	Depth:				
	Matrix:	SOIL			
	Sampled:	Mar-07-19 11:03			
BTEX by EPA 8021B	Extracted:	Mar-20-19 13:30			
	Analyzed:	Mar-20-19 23:42			
	Units/RL:	mg/kg RL			
Benzene		< 0.00199 0.00199			
Toluene		< 0.00199 0.00199			
Ethylbenzene		< 0.00199 0.00199			
m,p-Xylenes		<0.00398 0.00398			
o-Xylene		< 0.00199 0.00199			
Total Xylenes		<0.00199 0.00199			
Total BTEX		< 0.00199 0.00199			
Chloride by EPA 300	Extracted:	Mar-14-19 15:00			
	Analyzed:	Mar-14-19 18:12			
	Units/RL:	mg/kg RL			
Chloride		189 4.96			
TPH By SW8015 Mod	Extracted:	Mar-15-19 10:00			
	Analyzed:	Mar-15-19 23:39			
	Units/RL:	mg/kg RL			
Gasoline Range Hydrocarbons (GRO)		<15.0 15.0			
Diesel Range Organics (DRO)		116 15.0			
Motor Oil Range Hydrocarbons (MRO)		19.5 15.0	_		
Total TPH		136 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 617507

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo Mesa Verde BS Unit #8

21-MAR-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-MAR-19

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

Reference: XENCO Report No(s): 617507

Mesa Verde BS Unit #8

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) 617507. 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. 617507 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,

thely 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 617507



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Matrix	Date Collected	Sample Depth	Lab Sample Id
S	03-06-19 11:50		617507-001
S	03-06-19 11:56		617507-002
S	03-06-19 12:03		617507-003
S	03-06-19 12:08		617507-004
S	03-06-19 12:12		617507-005
S	03-06-19 12:14		617507-006
S	03-06-19 12:17		617507-007
S	03-06-19 12:19		617507-008
S	03-06-19 12:21		617507-009
S	03-06-19 13:29		617507-010
S	03-06-19 13:32		617507-011
S	03-06-19 13:34		617507-012
S	03-06-19 13:40		617507-013
S	03-06-19 13:43		617507-014
S	03-06-19 13:45		617507-015
S	03-07-19 10:54		617507-016
S	03-07-19 10:57		617507-017
S	03-07-19 11:01		617507-018
S	03-07-19 11:03		617507-019
	S S S S S S S S S S S S S S S S S S S	\$ 03-06-19 11:50 \$ 03-06-19 11:56 \$ 03-06-19 12:03 \$ 03-06-19 12:08 \$ 03-06-19 12:12 \$ 03-06-19 12:14 \$ 03-06-19 12:17 \$ 03-06-19 12:19 \$ 03-06-19 12:21 \$ 03-06-19 13:29 \$ 03-06-19 13:32 \$ 03-06-19 13:34 \$ 03-06-19 13:40 \$ 03-06-19 13:45 \$ 03-07-19 10:57 \$ 03-07-19 11:01	S 03-06-19 11:50 S 03-06-19 11:56 S 03-06-19 12:03 S 03-06-19 12:08 S 03-06-19 12:12 S 03-06-19 12:14 S 03-06-19 12:17 S 03-06-19 12:19 S 03-06-19 12:21 S 03-06-19 13:29 S 03-06-19 13:32 S 03-06-19 13:34 S 03-06-19 13:40 S 03-06-19 13:45 S 03-07-19 10:54 S 03-07-19 10:57 S 03-07-19 11:01

CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Mesa Verde BS Unit #8

Project ID: Report Date: 21-MAR-19
Work Order Number(s): 617507
Date Received: 03/13/2019

Sample receipt non conformances and comments:

None

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3082733 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030. Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected. Samples affected are: 617507-001,617507-009,617507-015,617507-011,617507-012,617507-010.

Batch: LBA-3082772 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030. Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected. Samples affected are: 617507-019,617507-017.





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-1 Matrix: Soil Date Received:03.13.19 12.45

Lab Sample Id: 617507-001

Date Collected: 03.06.19 11.50

Analytical Method: Chloride by EPA 300

Prep Method: E300P

CHE Tech:

% Moisture:

CHE

Analyst:

Date Prep:

Basis: 03.14.19 12.00

Wet Weight

Seq Number: 3082186

Parameter Cas Number Result RLUnits **Analysis Date** Flag Dil Chloride 16887-00-6 03.14.19 16.11 502 5.00 mg/kg 1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

ARM Tech:

% Moisture:

ARM Analyst: Date Prep: Basis: Wet Weight

Seq Number: 3082335

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9		mg/kg	03.15.19 16.29	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9		mg/kg	03.15.19 16.29	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9		mg/kg	03.15.19 16.29	U	1
Total TPH	PHC635	<14.9	14.9		mg/kg	03.15.19 16.29	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	96	%	70-135	03.15.19 16.29		
o-Terphenyl		84-15-1	94	%	70-135	03.15.19 16.29		

03.15.19 10.00





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

03.19.19 13.00

Sample Id: SP-1 Matrix: Soil Date Received:03.13.19 12.45

Lab Sample Id: 617507-001

Date Collected: 03.06.19 11.50

Analytical Method: BTEX by EPA 8021B

SCM

Prep Method: SW5030B

Tech: SCM % Moisture:

Analyst:

Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	03.19.19 20.54	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	03.19.19 20.54	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	03.19.19 20.54	U	1
m,p-Xylenes	179601-23-1	0.00461	0.00400		mg/kg	03.19.19 20.54		1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	03.19.19 20.54	U	1
Total Xylenes	1330-20-7	0.00461	0.00200		mg/kg	03.19.19 20.54		1
Total BTEX		0.00461	0.00200		mg/kg	03.19.19 20.54		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	173	%	70-130	03.19.19 20.54	**	
1,4-Difluorobenzene		540-36-3	108	%	70-130	03.19.19 20.54		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Soil

Sample Id: SP-2 Matrix:

Date Received:03.13.19 12.45

Lab Sample Id: 617507-002

Date Collected: 03.06.19 11.56

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

CHE Analyst:

Date Prep:

Basis: 03.14.19 12.00

Wet Weight

Seq Number: 3082186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	388	5.00	mg/kg	03.14.19 16.22		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

ARM

% Moisture:

ARM Analyst:

Tech:

03.15.19 10.00 Date Prep:

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.15.19 17.27	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0		mg/kg	03.15.19 17.27	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	03.15.19 17.27	U	1
Total TPH	PHC635	<15.0	15.0		mg/kg	03.15.19 17.27	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	92	%	70-135	03.15.19 17.27		
o-Terphenyl		84-15-1	87	%	70-135	03.15.19 17.27		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-2

Matrix: Soil

Date Received:03.13.19 12.45

Lab Sample Id: 617507-002

Date Collected: 03.06.19 11.56

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

% Moisture:

Tech: SCI

Analyst:

SCM SCM

Date Prep: 03.19.19 13.00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00202	0.00202		mg/kg	03.19.19 21.13	U	1
Toluene	108-88-3	< 0.00202	0.00202		mg/kg	03.19.19 21.13	U	1
Ethylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	03.19.19 21.13	U	1
m,p-Xylenes	179601-23-1	< 0.00403	0.00403		mg/kg	03.19.19 21.13	U	1
o-Xylene	95-47-6	< 0.00202	0.00202		mg/kg	03.19.19 21.13	U	1
Total Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	03.19.19 21.13	U	1
Total BTEX		< 0.00202	0.00202		mg/kg	03.19.19 21.13	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	122	%	70-130	03.19.19 21.13		
1,4-Difluorobenzene		540-36-3	116	%	70-130	03.19.19 21.13		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-3

Matrix:

Soil

Date Received:03.13.19 12.45

Lab Sample Id: 617507-003

Date Collected: 03.06.19 12.03

ite Conceicu. 03.00.17 12.03

Prep Method: E300P

% Moisture:

Tech: Analyst: CHE CHE

Analytical Method: Chloride by EPA 300

Date Prep:

03.14.19 12.00

Basis:

Wet Weight

Seq Number: 3082186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	514	4.95	mg/kg	03.14.19 16.33		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

% Moisture:

Tech: Analyst: ARM ARM

Date Prep: 03.15.19 10.00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9		mg/kg	03.15.19 17.47	U	1
Diesel Range Organics (DRO)	C10C28DRO	121	14.9		mg/kg	03.15.19 17.47		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	28.0	14.9		mg/kg	03.15.19 17.47		1
Total TPH	PHC635	149	14.9		mg/kg	03.15.19 17.47		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	93	%	70-135	03.15.19 17.47		
o-Terphenyl		84-15-1	91	%	70-135	03.15.19 17.47		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Soil

Sample Id: SP-3 Matrix:

Date Received:03.13.19 12.45

Lab Sample Id: 617507-003

Date Collected: 03.06.19 12.03

Date Prep:

Prep Method: SW5030B

Tech:

SCM

Analytical Method: BTEX by EPA 8021B

% Moisture:

SCM Analyst:

03.19.19 13.00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	03.19.19 21.32	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	03.19.19 21.32	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	03.19.19 21.32	U	1
m,p-Xylenes	179601-23-1	< 0.00400	0.00400		mg/kg	03.19.19 21.32	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	03.19.19 21.32	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	03.19.19 21.32	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	03.19.19 21.32	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	120	%	70-130	03.19.19 21.32		
1,4-Difluorobenzene		540-36-3	117	%	70-130	03.19.19 21.32		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Soil

Sample Id: SP-4

Date Collected: 03.06.19 12.08

Date Received:03.13.19 12.45

Lab Sample Id: 617507-004

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

CHE Analyst:

Date Prep: 03.14.19 12.00 % Moisture: Basis:

Wet Weight

Seq Number: 3082186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	18.8	4.99	mg/kg	03.14.19 16.43		1

Matrix:

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

% Moisture:

Tech: Analyst: ARMARM

03.15.19 10.00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.15.19 18.07	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0		mg/kg	03.15.19 18.07	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	03.15.19 18.07	U	1
Total TPH	PHC635	<15.0	15.0		mg/kg	03.15.19 18.07	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	88	%	70-135	03.15.19 18.07		
o-Terphenyl		84-15-1	85	%	70-135	03.15.19 18.07		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-4 Matrix:

Soil

03.19.19 13.00

Date Received:03.13.19 12.45

Lab Sample Id: 617507-004

Date Collected: 03.06.19 12.08

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM % Moisture:

Analyst:

SCM Date Prep: Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	03.19.19 21.51	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	03.19.19 21.51	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	03.19.19 21.51	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	03.19.19 21.51	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	03.19.19 21.51	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	03.19.19 21.51	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	03.19.19 21.51	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	122	%	70-130	03.19.19 21.51		
1,4-Difluorobenzene		540-36-3	115	%	70-130	03.19.19 21.51		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: **SP-5** Matrix:

Soil

Date Received:03.13.19 12.45

Lab Sample Id: 617507-005

Date Collected: 03.06.19 12.12

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

CHE Analyst:

Date Prep:

03.14.19 12.00

Basis:

Wet Weight

Seq Number: 3082186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	< 5.00	5.00	mg/kg	03.14.19 16.54	U	1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

ARMTech: ARM Analyst:

03.15.19 10.00 Date Prep:

% Moisture: Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.15.19 18.26	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0		mg/kg	03.15.19 18.26	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	03.15.19 18.26	U	1
Total TPH	PHC635	<15.0	15.0		mg/kg	03.15.19 18.26	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	90	%	70-135	03.15.19 18.26		
o-Terphenyl		84-15-1	90	%	70-135	03.15.19 18.26		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Soil

Sample Id: SP-5

Matrix:

Date Received:03.13.19 12.45

Lab Sample Id: 617507-005

Date Collected: 03.06.19 12.12

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

SCM SCM % Moisture:

Tech: SCM

Analyst:

Date Prep: 03.19.19 13.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	03.19.19 22.10	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	03.19.19 22.10	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	03.19.19 22.10	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	03.19.19 22.10	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	03.19.19 22.10	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	03.19.19 22.10	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	03.19.19 22.10	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	120	%	70-130	03.19.19 22.10		
1,4-Difluorobenzene		540-36-3	115	%	70-130	03.19.19 22.10		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-6

Matrix:

Soil

Date Received:03.13.19 12.45

Lab Sample Id: 617507-006

Date Collected: 03.06.19 12.14

2 4.0 2011-01:04:05:00:17 12

Prep Method: E300P

% Moisture:

Tech: Analyst: CHE CHE

Analytical Method: Chloride by EPA 300

Date Prep:

03.14.19 12.00

Basis:

Wet Weight

Seq Number: 3082186

....

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	106	4.96	mg/kg	03.14.19 17.05		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

% Moisture:

Tech: Analyst: ARM ARM

Date Prep: 03.15.19 10.00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.15.19 18.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0		mg/kg	03.15.19 18.46	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	03.15.19 18.46	U	1
Total TPH	PHC635	<15.0	15.0		mg/kg	03.15.19 18.46	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	90	%	70-135	03.15.19 18.46		
o-Terphenyl		84-15-1	88	%	70-135	03.15.19 18.46		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-6

Matrix: Soil

Date Received:03.13.19 12.45

Lab Sample Id: 617507-006

Date Collected: 03.06.19 12.14

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

Analyst:

SCM

% Moisture:

Date Prep: 03.19.19 13.00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	03.19.19 22.29	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	03.19.19 22.29	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	03.19.19 22.29	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	03.19.19 22.29	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	03.19.19 22.29	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	03.19.19 22.29	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	03.19.19 22.29	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	115	%	70-130	03.19.19 22.29		
4-Bromofluorobenzene		460-00-4	119	%	70-130	03.19.19 22.29		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-7

Matrix:

Soil

Date Received:03.13.19 12.45

Lab Sample Id: 617507-007

Date Collected: 03.06.19 12.17

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moistu

% Moisture:

Analyst:

CHE CHE

Date Prep: 03.14.19 12.00

Basis:

Wet Weight

Seq Number: 3082186

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	156	5.00	mg/kg	03.14.19 17.15		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

.

ARM

% Moisture:

Analyst: ARM

Tech:

Date Prep: 03.15.19 10.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.15.19 19.05	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0		mg/kg	03.15.19 19.05	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	03.15.19 19.05	U	1
Total TPH	PHC635	<15.0	15.0		mg/kg	03.15.19 19.05	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	90	%	70-135	03.15.19 19.05		
o-Terphenyl		84-15-1	88	%	70-135	03.15.19 19.05		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

03.19.19 13.00

Sample Id: **SP-7** Matrix: Soil Date Received:03.13.19 12.45

Lab Sample Id: 617507-007

Date Collected: 03.06.19 12.17

Analytical Method: BTEX by EPA 8021B

SCM

Prep Method: SW5030B

Tech: SCM

Analyst:

Date Prep:

Basis:

% Moisture:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	03.19.19 22.48	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	03.19.19 22.48	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	03.19.19 22.48	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	03.19.19 22.48	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	03.19.19 22.48	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	03.19.19 22.48	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	03.19.19 22.48	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	125	%	70-130	03.19.19 22.48		
1,4-Difluorobenzene		540-36-3	114	%	70-130	03.19.19 22.48		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Soil

Sample Id: **SP-8** Matrix:

Date Received:03.13.19 12.45

Lab Sample Id: 617507-008

Date Collected: 03.06.19 12.19

Analytical Method: Chloride by EPA 300

Prep Method: E300P

% Moisture:

Tech:

CHE

10.4

Result

Wet Weight

Analyst: Seq Number: 3082248

CHE

Date Prep:

03.14.19 12.30

Basis:

Parameter

Cas Number Chloride 16887-00-6

RL5.01

Units **Analysis Date** 03.15.19 08.55 mg/kg

Flag

Dil 1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: Analyst: ARM ARM

Date Prep:

03.15.19 10.00

Basis:

% Moisture:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.15.19 19.25	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0		mg/kg	03.15.19 19.25	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	03.15.19 19.25	U	1
Total TPH	PHC635	<15.0	15.0		mg/kg	03.15.19 19.25	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: **SP-8**

Soil Matrix:

Date Received:03.13.19 12.45

Lab Sample Id: 617507-008

Date Collected: 03.06.19 12.19

Prep Method: SW5030B

% Moisture:

Tech: SCM

Basis:

Wet Weight

Analyst:

SCM

Analytical Method: BTEX by EPA 8021B

Date Prep: 03.19.19 13.00

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00202	0.00202		mg/kg	03.19.19 23.07	U	1
Toluene	108-88-3	< 0.00202	0.00202		mg/kg	03.19.19 23.07	U	1
Ethylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	03.19.19 23.07	U	1
m,p-Xylenes	179601-23-1	< 0.00403	0.00403		mg/kg	03.19.19 23.07	U	1
o-Xylene	95-47-6	< 0.00202	0.00202		mg/kg	03.19.19 23.07	U	1
Total Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	03.19.19 23.07	U	1
Total BTEX		< 0.00202	0.00202		mg/kg	03.19.19 23.07	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	121	%	70-130	03.19.19 23.07		
1,4-Difluorobenzene		540-36-3	115	%	70-130	03.19.19 23.07		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Soil

Sample Id: **SP-9** Matrix:

Date Received:03.13.19 12.45

Lab Sample Id: 617507-009

Date Collected: 03.06.19 12.21

Basis:

Prep Method: E300P

Tech:

CHE

Analytical Method: Chloride by EPA 300

% Moisture:

Wet Weight

Analyst:

CHE

Date Prep:

Date Prep:

03.14.19 12.30

03.15.19 10.00

Seq Number: 3082248

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	83.2	5.01	mg/kg	03.15.19 09.14		1

Analytical Method: TPH By SW8015 Mod

ARM

Prep Method: TX1005P

% Moisture:

Basis: Wet Weight

ARM Analyst: Seq Number: 3082335

Tech:

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.15.19 19.44	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0		mg/kg	03.15.19 19.44	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	03.15.19 19.44	U	1
Total TPH	PHC635	<15.0	15.0		mg/kg	03.15.19 19.44	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	89	%	70-135	03.15.19 19.44		
o-Terphenyl		84-15-1	87	%	70-135	03.15.19 19.44		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Soil

Sample Id: SP-9

Matrix:

Date Received:03.13.19 12.45

Lab Sample Id: 617507-009

Date Collected: 03.06.19 12.21

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

1

% Moisture:

Analyst: SCM

Date Prep: 03.19.19 13.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	03.19.19 23.26	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	03.19.19 23.26	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	03.19.19 23.26	U	1
m,p-Xylenes	179601-23-1	< 0.00397	0.00397		mg/kg	03.19.19 23.26	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	03.19.19 23.26	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	03.19.19 23.26	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	03.19.19 23.26	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	158	%	70-130	03.19.19 23.26	**	
1,4-Difluorobenzene		540-36-3	106	%	70-130	03.19.19 23.26		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: **SP-10** Matrix: Soil Date Received:03.13.19 12.45

Lab Sample Id: 617507-010

Date Collected: 03.06.19 13.29

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

CHE

% Moisture:

Analyst:

CHE

Date Prep: 03.14.19 12.30 Basis:

Wet Weight

Seq Number: 3082248

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	44.5	5.00	mg/kg	03.15.19 09.20		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech:

ARM

% Moisture:

Analyst:

ARM

03.15.19 10.00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.15.19 20.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0		mg/kg	03.15.19 20.04	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	03.15.19 20.04	U	1
Total TPH	PHC635	<15.0	15.0		mg/kg	03.15.19 20.04	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	93	%	70-135	03.15.19 20.04		
o-Terphenyl		84-15-1	90	%	70-135	03.15.19 20.04		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: **SP-10** Matrix:

Date Prep:

Soil

03.19.19 13.00

Date Received:03.13.19 12.45

Lab Sample Id: 617507-010

Date Collected: 03.06.19 13.29

Prep Method: SW5030B

Tech:

SCM

Analytical Method: BTEX by EPA 8021B

% Moisture:

Basis: Wet Weight

SCM Analyst: Seq Number: 3082733

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	03.19.19 23.45	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	03.19.19 23.45	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	03.19.19 23.45	U	1
m,p-Xylenes	179601-23-1	< 0.00400	0.00400		mg/kg	03.19.19 23.45	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	03.19.19 23.45	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	03.19.19 23.45	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	03.19.19 23.45	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	166	%	70-130	03.19.19 23.45	**	
1,4-Difluorobenzene		540-36-3	113	%	70-130	03.19.19 23.45		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: **SP-11** Matrix:

Soil

Date Received:03.13.19 12.45

Lab Sample Id: 617507-011

Date Collected: 03.06.19 13.32

Prep Method: E300P

Tech:

Analytical Method: Chloride by EPA 300

% Moisture:

Analyst:

CHE CHE

Date Prep:

03.14.19 12.30

Basis:

Wet Weight

Seq Number: 3082248

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	68.0	4.97	mg/kg	03.15.19 09.26		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

% Moisture:

Tech: Analyst: ARMARM

Date Prep:

03.15.19 10.00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.15.19 21.02	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0		mg/kg	03.15.19 21.02	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	03.15.19 21.02	U	1
Total TPH	PHC635	<15.0	15.0		mg/kg	03.15.19 21.02	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	94	%	70-135	03.15.19 21.02		
o-Terphenyl		84-15-1	92	%	70-135	03.15.19 21.02		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: **SP-11** Matrix:

Soil

03.19.19 13.00

Date Received:03.13.19 12.45

Lab Sample Id: 617507-011

Date Collected: 03.06.19 13.32

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Date Prep:

% Moisture:

Basis:

Wet Weight

Tech: SCM

Analyst:

SCM

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200	mg/kg	03.20.19 00.59	U	1
Toluene	108-88-3	< 0.00200	0.00200	mg/kg	03.20.19 00.59	U	1
Ethylbenzene	100-41-4	0.00275	0.00200	mg/kg	03.20.19 00.59		1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401	mg/kg	03.20.19 00.59	U	1
o-Xylene	95-47-6	< 0.00200	0.00200	mg/kg	03.20.19 00.59	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200	mg/kg	03.20.19 00.59	U	1

Total BTEX	0.00275	0.00275 0.00200					
Surrogate	Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene	540-36-3	105	%	70-130	03.20.19 00.59		
4-Bromofluorobenzene	460-00-4	160	%	70-130	03.20.19 00.59	**	





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: **SP-12**

Matrix: Soil Date Received:03.13.19 12.45

Lab Sample Id: 617507-012

Date Collected: 03.06.19 13.34

Analytical Method: Chloride by EPA 300

Prep Method: E300P

% Moisture:

Tech:

CHE CHE

03.14.19 12.30

Basis:

Wet Weight

Analyst:

Seq Number: 3082248

Parameter Cas Number Result RLUnits **Analysis Date** Flag Dil Chloride 16887-00-6 03.15.19 09.32 45.8 4.98 mg/kg 1

Date Prep:

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

% Moisture:

Tech: Analyst: ARM ARM

03.15.19 10.00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.15.19 21.22	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0		mg/kg	03.15.19 21.22	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	03.15.19 21.22	U	1
Total TPH	PHC635	<15.0	15.0		mg/kg	03.15.19 21.22	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	93	%	70-135	03.15.19 21.22		
o-Terphenyl		84-15-1	88	%	70-135	03.15.19 21.22		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: **SP-12** Matrix: Soil Date Received:03.13.19 12.45

Lab Sample Id: 617507-012

Date Collected: 03.06.19 13.34

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

SCM

% Moisture:

Tech: SCM Analyst:

Date Prep:

03.19.19 13.00

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	03.20.19 01.18	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	03.20.19 01.18	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	03.20.19 01.18	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	03.20.19 01.18	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	03.20.19 01.18	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	03.20.19 01.18	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	03.20.19 01.18	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	111	%	70-130	03.20.19 01.18		
4-Bromofluorobenzene		460-00-4	150	%	70-130	03.20.19 01.18	**	





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: **SP-13**

Matrix: Soil Date Received:03.13.19 12.45

Lab Sample Id: 617507-013

Date Collected: 03.06.19 13.40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

CHE

% Moisture:

Analyst:

Chloride

Tech:

CHE

Date Prep: 03.14.19 12.30 Basis:

Wet Weight

Seq Number: 3082248

Parameter

Cas Number 16887-00-6

RL56.4 4.96

Result

Units mg/kg

Analysis Date Flag

Dil 1

Analytical Method: TPH By SW8015 Mod

ARM

ARM Analyst:

Date Prep:

03.15.19 10.00

Prep Method: TX1005P

03.15.19 09.50

% Moisture: Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.15.19 21.42	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0		mg/kg	03.15.19 21.42	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	03.15.19 21.42	U	1
Total TPH	PHC635	<15.0	15.0		mg/kg	03.15.19 21.42	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

Surrogate	Cas Number	Recovery	Units	Limits	Analysis Date
1-Chlorooctane	111-85-3	92	%	70-135	03.15.19 21.42
o-Terphenyl	84-15-1	88	%	70-135	03.15.19 21.42





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Soil

Sample Id: **SP-13** Matrix:

Date Received:03.13.19 12.45

Lab Sample Id: 617507-013

Date Collected: 03.06.19 13.40

Prep Method: SW5030B

Analytical Method: BTEX by EPA 8021B

SCM

% Moisture:

Tech:

Analyst:

SCM

Date Prep: 03.19.19 13.00 Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	03.20.19 01.37	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	03.20.19 01.37	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	03.20.19 01.37	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	03.20.19 01.37	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	03.20.19 01.37	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	03.20.19 01.37	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	03.20.19 01.37	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	124	%	70-130	03.20.19 01.37		
1,4-Difluorobenzene		540-36-3	116	%	70-130	03.20.19 01.37		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Soil

Sample Id: **SP-14** Matrix:

Date Prep:

Date Received:03.13.19 12.45

Lab Sample Id: 617507-014

Date Collected: 03.06.19 13.43

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: Analyst: CHE

% Moisture:

CHE

03.14.19 12.30

Basis:

Wet Weight

Seq Number: 3082248

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	8.74	5.01	mg/kg	03.15.19 09.56		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

% Moisture:

Tech: Analyst: ARMARM

03.15.19 10.00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9		mg/kg	03.15.19 22.01	U	1
Diesel Range Organics (DRO)	C10C28DRO	<14.9	14.9		mg/kg	03.15.19 22.01	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<14.9	14.9		mg/kg	03.15.19 22.01	U	1
Total TPH	PHC635	<14.9	14.9		mg/kg	03.15.19 22.01	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	102	%	70-135	03.15.19 22.01		
o-Terphenyl		84-15-1	101	%	70-135	03.15.19 22.01		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Soil

Sample Id: **SP-14** Matrix:

Date Received:03.13.19 12.45

Lab Sample Id: 617507-014

Date Collected: 03.06.19 13.43

Analytical Method: BTEX by EPA 8021B

SCM

Prep Method: SW5030B

Tech: SCM % Moisture:

Analyst:

Date Prep: 03.19.19 13.00 Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	03.20.19 01.56	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	03.20.19 01.56	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	03.20.19 01.56	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	03.20.19 01.56	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	03.20.19 01.56	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	03.20.19 01.56	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	03.20.19 01.56	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	113	%	70-130	03.20.19 01.56		
4-Bromofluorobenzene		460-00-4	119	%	70-130	03.20.19 01.56		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-15

Matrix: Soil

Date Received:03.13.19 12.45

Lab Sample Id: 617507-015

Date Collected: 03.06.19 13.45

Prep Method: E300P

% Moisture:

Tech: CHE

Analyst:

CHE

Analytical Method: Chloride by EPA 300

Date Prep: 03.14.19 12.30

Basis:

Wet Weight

Seq Number: 3082248

 Parameter
 Cas Number
 Result
 RL
 Units
 Analysis Date
 Flag
 Dil

 Chloride
 16887-00-6
 16.4
 4.97
 mg/kg
 03.15.19 10.02
 1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

% Moisture:

Tech: Analyst: ARM ARM

Date Prep: 03.15.19 10.00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.15.19 22.21	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0		mg/kg	03.15.19 22.21	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	03.15.19 22.21	U	1
Total TPH	PHC635	<15.0	15.0		mg/kg	03.15.19 22.21	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	91	%	70-135	03.15.19 22.21		
o-Terphenyl		84-15-1	88	%	70-135	03.15.19 22.21		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-15

Matrix: Soil

Date Received:03.13.19 12.45

Lab Sample Id: 617507-015

Date Collected: 03.06.19 13.45

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: So

SCM

% Moisture:

Analyst: SCM

Date Prep: 03.19.19 13.00

Basis: W

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	03.20.19 02.15	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	03.20.19 02.15	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	03.20.19 02.15	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	03.20.19 02.15	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	03.20.19 02.15	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	03.20.19 02.15	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	03.20.19 02.15	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	165	%	70-130	03.20.19 02.15	**	
1,4-Difluorobenzene		540-36-3	108	%	70-130	03.20.19 02.15		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: **SP-16** Matrix: Soil Date Received:03.13.19 12.45

Lab Sample Id: 617507-016

Analytical Method: Chloride by EPA 300

CHE

Date Collected: 03.07.19 10.54

Prep Method: E300P

CHE

% Moisture:

Tech:

Analyst:

Date Prep:

03.14.19 12.30

Basis:

Wet Weight

Seq Number: 3082248

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	280	4.97	mg/kg	03.15.19 10.08		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

% Moisture:

Tech: Analyst: ARMARM

03.15.19 10.00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.15.19 22.40	U	1
Diesel Range Organics (DRO)	C10C28DRO	307	15.0		mg/kg	03.15.19 22.40		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	309	15.0		mg/kg	03.15.19 22.40		1
Total TPH	PHC635	616	15.0		mg/kg	03.15.19 22.40		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	93	%	70-135	03.15.19 22.40		
o-Terphenyl		84-15-1	93	%	70-135	03.15.19 22.40		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: **SP-16**

Soil Matrix:

Date Received:03.13.19 12.45

Lab Sample Id: 617507-016

Date Collected: 03.07.19 10.54

03.20.19 13.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

% Moisture:

Basis:

Wet Weight

SCM Analyst:

Date Prep:

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	03.20.19 22.45	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	03.20.19 22.45	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	03.20.19 22.45	U	1
m,p-Xylenes	179601-23-1	< 0.00400	0.00400		mg/kg	03.20.19 22.45	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	03.20.19 22.45	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	03.20.19 22.45	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	03.20.19 22.45	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	125	%	70-130	03.20.19 22.45		
1,4-Difluorobenzene		540-36-3	110	%	70-130	03.20.19 22.45		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: **SP-17** Matrix: Soil Date Received:03.13.19 12.45

Lab Sample Id: 617507-017

Date Collected: 03.07.19 10.57

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

CHE

% Moisture:

Analyst:

CHE

Date Prep: 03.14.19 15.00 Basis:

Wet Weight

Seq Number: 3082188

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	113	4.97	mg/kg	03.14.19 17.48		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech:

ARM

% Moisture:

ARM Analyst:

03.15.19 10.00 Date Prep:

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.15.19 23.00	U	1
Diesel Range Organics (DRO)	C10C28DRO	66.0	15.0		mg/kg	03.15.19 23.00		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	498	15.0		mg/kg	03.15.19 23.00		1
Total TPH	PHC635	564	15.0		mg/kg	03.15.19 23.00		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	93	%	70-135	03.15.19 23.00		
o-Terphenyl		84-15-1	92	%	70-135	03.15.19 23.00		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: **SP-17** Matrix: Soil Date Received:03.13.19 12.45

Lab Sample Id: 617507-017

Date Collected: 03.07.19 10.57

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

SCM

Analyst:

% Moisture:

Date Prep:

03.20.19 13.30

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	03.20.19 23.04	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	03.20.19 23.04	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	03.20.19 23.04	U	1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401		mg/kg	03.20.19 23.04	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	03.20.19 23.04	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	03.20.19 23.04	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	03.20.19 23.04	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	141	%	70-130	03.20.19 23.04	**	
1,4-Difluorobenzene		540-36-3	110	%	70-130	03.20.19 23.04		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: **SP-18** Matrix: Soil Date Received:03.13.19 12.45

Lab Sample Id: 617507-018

Date Collected: 03.07.19 11.01

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

CHE Analyst:

03.14.19 15.00

Basis:

Wet Weight

Seq Number: 3082188

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	101	5.00	mg/kg	03.14.19 18.06		1

Date Prep:

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

03.15.19 23.20

ARM

84-15-1

70-135

% Moisture:

ARM Analyst: Seq Number: 3082335

o-Terphenyl

Tech:

03.15.19 10.00 Date Prep:

89

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.15.19 23.20	U	1
Diesel Range Organics (DRO)	C10C28DRO	<15.0	15.0		mg/kg	03.15.19 23.20	U	1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	03.15.19 23.20	U	1
Total TPH	PHC635	<15.0	15.0		mg/kg	03.15.19 23.20	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	91	%	70-135	03.15.19.23.20		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Soil

Sample Id: **SP-18** Matrix:

Date Prep:

Date Received:03.13.19 12.45

Lab Sample Id: 617507-018

Date Collected: 03.07.19 11.01

Analytical Method: BTEX by EPA 8021B

SCM

Prep Method: SW5030B

Tech: SCM % Moisture:

Analyst:

Basis: 03.20.19 13.30

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	03.20.19 23.23	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	03.20.19 23.23	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	03.20.19 23.23	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	03.20.19 23.23	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	03.20.19 23.23	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	03.20.19 23.23	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	03.20.19 23.23	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	113	%	70-130	03.20.19 23.23		
1,4-Difluorobenzene		540-36-3	114	%	70-130	03.20.19 23.23		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-19

Matrix: Soil

Date Received:03.13.19 12.45

Lab Sample Id: 617507-019

Date Collected: 03.07.19 11.03

Prep Method: E300P

% Moisture:

Tech: CHE

Analyst:

Date Prep:

03.14.19 15.00 Basis:

Wet Weight

Seq Number: 3082188

 Parameter
 Cas Number
 Result
 RL
 Units
 Analysis Date
 Flag
 Dil

 Chloride
 16887-00-6
 189
 4.96
 mg/kg
 03.14.19 18.12
 1

Analytical Method: TPH By SW8015 Mod

Analytical Method: Chloride by EPA 300

CHE

Prep Method: TX1005P

% Moisture:

Tech: Analyst: ARM ARM

Date Prep: 03.15.19 10.00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	03.15.19 23.39	U	1
Diesel Range Organics (DRO)	C10C28DRO	116	15.0		mg/kg	03.15.19 23.39		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	19.5	15.0		mg/kg	03.15.19 23.39		1
Total TPH	PHC635	136	15.0		mg/kg	03.15.19 23.39		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	96	%	70-135	03.15.19 23.39		
o-Terphenyl		84-15-1	96	%	70-135	03.15.19 23.39		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Soil

Sample Id: **SP-19** Matrix:

Date Received:03.13.19 12.45

Lab Sample Id: 617507-019

Date Collected: 03.07.19 11.03

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: SCM

Date Prep: 03.20.19 13.30 % Moisture:

Basis:

Wet Weight

SCM Analyst:

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	03.20.19 23.42	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	03.20.19 23.42	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	03.20.19 23.42	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	03.20.19 23.42	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	03.20.19 23.42	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	03.20.19 23.42	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	03.20.19 23.42	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	109	%	70-130	03.20.19 23.42		
4-Bromofluorobenzene		460-00-4	147	%	70-130	03.20.19 23.42	**	



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.

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

^{**} Surrogate recovered outside laboratory control limit.



QC Summary 617507

Trinity Oilfield Services & Rentals, LLC

Mesa Verde BS Unit #8

Analytical Method: Chloride by EPA 300

Seq Number: 3082186 Matrix: Solid

MB Sample Id: 7673570-1-BLK

LCS Sample Id:

LCS

Result

LCS

MS

276

Spike

7673570-1-BKS

LCSD

LCSD

%Rec

LCSD

MSD

111

E300P Prep Method:

%RPD RPD Limit Units

Prep Method:

Analysis

Date

Date Prep: 03.14.19

LCSD Sample Id: 7673570-1-BSD

Flag **Parameter** Result Amount Result %Rec Date %Rec Result 03.14.19 10:15 Chloride < 0.858 250 263 105 263 105 90-110 0 20 mg/kg

Analytical Method: Chloride by EPA 300

Seq Number: 3082248

Result

MB

Parent

1.48

MR

Matrix: Solid LCS Sample Id:

%Rec

LCS

7673573-1-BKS

Result

LCSD

E300P 03.14.19

Date Prep: LCSD Sample Id: 7673573-1-BSD

MB Sample Id: 7673573-1-BLK MB Spike LCS LCS %RPD RPD Limit Units LCSD LCSD Limits Analysis **Parameter**

Chloride < 0.858 250 243 97 244 98 90-110 0 20 mg/kg 03.15.19 08:43

Analytical Method: Chloride by EPA 300

Seq Number:

3082188

Amount

Matrix: Solid

Prep Method:

Limits

Limits

E300P

03.14.19 Date Prep: 7673579-1-BKS LCSD Sample Id: 7673579-1-BSD MB Sample Id:

LCS

LCS Sample Id: 7673579-1-BLK

%RPD RPD Limit Units

Analysis Flag

Flag

Spike **Parameter** Result Date Result Amount %Rec Result %Rec Chloride 250 245 98 245 98 90-110 0 20 03.14.19 15:48 < 5.00 mg/kg

Analytical Method: Chloride by EPA 300

Seq Number: Parent Sample Id:

Parameter

Chloride

3082186

617505-006 S 617505-006 MS Sample Id:

Spike

Matrix: Soil

MSD

Prep Method:

E300P

Date Prep: 03.14.19

Date Prep:

20

MSD Sample Id: 617505-006 SD

%RPD RPD Limit Units Analysis Flag Date

03.14.19 15:07

X

Result %Rec Result Amount Result %Rec Chloride 415 105 415 90-110 0 20 03.14.19 12:38 155 248 105 mg/kg

MS

Analytical Method: Chloride by EPA 300

Seq Number: Parent Sample Id:

3082186 617506-007

MS Sample Id:

248

Matrix: Soil

617506-007 S

276

Prep Method:

90-110

Limits

E300P

mg/kg

03.14.19 MSD Sample Id: 617506-007 SD

Parent Spike MS MS Limits %RPD RPD Limit Units Analysis **MSD MSD** Flag **Parameter** Result Date Result Amount %Rec Result %Rec

111

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

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

Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample A = Parent Result = MS/LCS Result

= MSD/LCSD Result

0

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



QC Summary 617507

Trinity Oilfield Services & Rentals, LLC

Mesa Verde BS Unit #8

Analytical Method: Chloride by EPA 300

Seq Number: 3082248

Parent Sample Id: 617507-008

Matrix: Soil MS Sample Id: 617507-008 S

E300P Prep Method:

Date Prep: 03.14.19

MSD Sample Id: 617507-008 SD

%RPD RPD Limit Units Spike MS MS Parent **MSD MSD** Limits Analysis Flag **Parameter** Result Amount Result Date %Rec %Rec Result 03.15.19 09:01 Chloride 10.4 251 258 99 259 99 90-110 0 20 mg/kg

Analytical Method: Chloride by EPA 300

Seq Number: 3082248

Parameter

Parent

Result

Matrix: Soil MS Sample Id:

MS

%Rec

MS

Result

E300P Prep Method: Date Prep:

03.14.19

Parent Sample Id: 617561-002 Spike

617561-002 S

MSD

MSD

Limits

MSD Sample Id: 617561-002 SD %RPD RPD Limit Units

Analysis Flag Date

Flag

Flag

Amount Result %Rec Chloride 2.01 248 245 98 245 98 90-110 0 20 mg/kg 03.15.19 10:45

Analytical Method: Chloride by EPA 300

3082188 Seq Number:

Matrix: Soil

Prep Method: E300P Date Prep:

03.14.19

MS Sample Id: Parent Sample Id: 617631-004

617631-004 S

MSD Sample Id: 617631-004 SD

MS %RPD RPD Limit Units Parent Spike MS **MSD MSD** Limits Analysis **Parameter** Result Date Result %Rec Amount Result %Rec Chloride 5.78 250 258 101 259 101 90-110 0 20 03.14.19 16:06 mg/kg

Analytical Method: Chloride by EPA 300

Seq Number: Parent Sample Id: Prep Method:

Prep Method:

Date Prep:

E300P

3082188 Matrix: Soil Date Prep: 03.14.19 617687-004 S MSD Sample Id: 617687-004 SD MS Sample Id: 617687-004

MS MSD %RPD RPD Limit Units Parent Spike MS **MSD** Limits Analysis Flag **Parameter** Result %Rec Date Result Amount Result %Rec Chloride 7.45 254 99 253 99 90-110 0 20 03.14.19 17:30 248 mg/kg

Analytical Method: TPH By SW8015 Mod

3082335 Seq Number:

Matrix: Solid

TX1005P

03.15.19

MS = Matrix Spike

MB Sample Id: 7673699-1-BLK LCS Sample Id: 7673699-1-BKS LCSD Sample Id: 7673699-1-BSD

MB Spike LCS LCS Limits %RPD RPD Limit Units Analysis LCSD LCSD **Parameter** Result Date Result Amount %Rec Result %Rec Gasoline Range Hydrocarbons (GRO) < 8.001000 1030 103 1100 110 70-135 7 20 mg/kg 03.15.19 15:51 Diesel Range Organics (DRO) < 8.13 1000 1020 102 1090 109 70-135 7 20 mg/kg 03.15.19 15:51

LCS MB MB LCS LCSD Limits Units Analysis LCSD **Surrogate** %Rec Flag %Rec Flag %Rec Flag Date 1-Chlorooctane 90 117 129 70-135 03.15.19 15:51 % 03.15.19 15:51 o-Terphenyl 91 98 113 70-135 %

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

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

Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample A = Parent Result

B = Spike Added = MS/LCS Result D = MSD/LCSD % Rec = MSD/LCSD Result



QC Summary 617507

Trinity Oilfield Services & Rentals, LLC

Mesa Verde BS Unit #8

Analytical Method: TPH By SW8015 Mod

Seq Number: 3082335 Matrix: Soil

TX1005P Prep Method:

Date Prep: 03.15.19

MS Sample Id: 617507-001 S Parent Sample Id: 617507-001

MSD Sample Id: 617507-001 SD PD DDD I :--.:4 II-.:4

Parameter	Result	Spike Amount	Result	MS %Rec	MSD Result	MSD %Rec	Limits	%KPD	KPD LIM	it Units	Analysis Date	Flag
Gasoline Range Hydrocarbons (GRO)	< 7.99	998	1020	102	908	91	70-135	12	20	mg/kg	03.15.19 16:48	
Diesel Range Organics (DRO)	<8.11	998	1040	104	917	92	70-135	13	20	mg/kg	03.15.19 16:48	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1-Chlorooctane	115		104		70-135	%	03.15.19 16:48
o-Terphenyl	102		88		70-135	%	03.15.19 16:48

Analytical Method: BTEX by EPA 8021B

Seq Number: 3082733 Matrix: Solid

Prep Method: Date Prep: 03.19.19

SW5030B

Flag

Flag

MB Sample Id:

Seq Number:

7673950-1-BLK

LCS Sample Id: 7673950-1-BKS

LCSD Sample Id: 7673950-1-BSD

%RPD RPD Limit Units LCS LCS MB Spike Limits Analysis **LCSD** LCSD **Parameter** Amount Date Result Result %Rec Result %Rec 0.0998 mg/kg 03.19.19 19:02 Benzene < 0.00200 0.120 120 0.121 120 70-130 1 35 Toluene < 0.00200 0.0998 0.121 121 0.121 70-130 0 03.19.19 19:02 120 35 mg/kg 03.19.19 19:02 < 0.000564 0.0998 0.107 107 0.107 70-130 0 35 Ethylbenzene 106 mg/kg m,p-Xylenes < 0.00101 0.200 0.211 106 0.211 105 70-130 0 35 mg/kg 03.19.19 19:02 < 0.00200 0.0998 0.106 106 70-130 35 03.19.19 19:02 o-Xylene 0.106 105 0 mg/kg

Surrogate	MB %Rec	MB Flag	LCS %Rec	LCS Flag	LCSD %Rec	LCSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	116		107		109		70-130	%	03.19.19 19:02
4-Bromofluorobenzene	110		107		108		70-130	%	03.19.19 19:02

Analytical Method: BTEX by EPA 8021B

3082772

Matrix: Solid

7673968-1-BKS

Prep Method: Date Prep: SW5030B

03.20.19 LCSD Sample Id: 7673968-1-BSD

LCS Sample Id: MB Sample Id: 7673968-1-BLK LCS LCS %RPD RPD Limit Units MB Spike LCSD LCSD Limits Analysis **Parameter** Result Amount Result %Rec Date Result %Rec 03.20.19 14:50 Benzene < 0.00200 0.100 0.113 113 0.117 117 70-130 3 35 mg/kg Toluene < 0.00200 0.100 0.114 114 0.118 118 70-130 3 35 03.20.19 14:50 mg/kg mg/kg 03.20.19 14:50 Ethylbenzene < 0.000565 0.100 0.101 101 0.103 103 70-130 2 35 03.20.19 14:50 < 0.00101 0.200 0.198 99 0.203 101 70-130 2. 35 m,p-Xylenes mg/kg 03.20.19 14:50 99 0.102 o-Xylene < 0.00200 0.100 0.0992 102 70-130 3 35 mg/kg

Surrogate	MB %Rec	MB Flag	LCS LCS %Rec Flag	LCSD %Rec	LCSD Limits Flag	Units	Analysis Date
1,4-Difluorobenzene	117		108	109	70-130	%	03.20.19 14:50
4-Bromofluorobenzene	114		105	108	70-130	%	03.20.19 14:50

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

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

Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample

A = Parent Result

= MS/LCS Result E = MSD/LCSD Result MS = Matrix SpikeB = Spike Added D = MSD/LCSD % Rec

Flag



QC Summary 617507

Trinity Oilfield Services & Rentals, LLC

Mesa Verde BS Unit #8

Analytical Method: BTEX by EPA 8021B

3082733 Matrix: Soil Date Prep: 03.19.19

Prep Method: SW5030B

Seq Number: Parent Sample Id:

MS Sample Id: 617507-001 S 617507-001

MSD Sample Id: 617507-001 SD

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limit	Units	Analysis Date
Benzene	< 0.00200	0.100	0.0942	94	0.108	109	70-130	14	35	mg/kg	03.19.19 19:40
Toluene	< 0.00200	0.100	0.111	111	0.108	109	70-130	3	35	mg/kg	03.19.19 19:40
Ethylbenzene	< 0.00200	0.100	0.0953	95	0.0915	92	70-130	4	35	mg/kg	03.19.19 19:40
m,p-Xylenes	0.00461	0.200	0.195	95	0.180	88	70-130	8	35	mg/kg	03.19.19 19:40
o-Xylene	< 0.00200	0.100	0.100	100	0.0915	92	70-130	9	35	mg/kg	03.19.19 19:40

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104		109		70-130	%	03.19.19 19:40
4-Bromofluorobenzene	126		112		70-130	%	03.19.19 19:40

Analytical Method: BTEX by EPA 8021B

3082772

Matrix: Soil

Prep Method:

SW5030B

Seq Number: Parent Sample Id:

618088-010

MS Sample Id: 618088-010 S

Date Prep: MSD Sample Id: 618088-010 SD

03.20.19

Flag

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Lim	it Units	Analysis Date	I
Benzene	< 0.00199	0.0994	0.104	105	0.107	107	70-130	3	35	mg/kg	03.20.19 15:32	
Toluene	0.000601	0.0994	0.107	107	0.109	108	70-130	2	35	mg/kg	03.20.19 15:32	
Ethylbenzene	< 0.000561	0.0994	0.0960	97	0.0944	94	70-130	2	35	mg/kg	03.20.19 15:32	
m,p-Xylenes	< 0.00101	0.199	0.189	95	0.186	93	70-130	2	35	mg/kg	03.20.19 15:32	
o-Xylene	0.000391	0.0994	0.0955	96	0.0931	93	70-130	3	35	mg/kg	03.20.19 15:32	

Surrogate	MS %Rec	MS Flag	MSD %Rec	MSD Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	107		110		70-130	%	03.20.19 15:32
4-Bromofluorobenzene	113		111		70-130	%	03.20.19 15:32

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

[D] = 100*(C-A) / BRPD = 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

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

Page 1 of 2

LAB W.O#: \Q\

VA Vial Amber
VC Vial Clear
VP Vial Pre-preserved
GA Glass Amber
GC Glass Clear
PA Plastic Amber

ES Encore Sampler
TS TerraCore Sampler
AC Air Canister
TB Tedlar Bag
ZB Zip Lock Bag
PC Plastic Clear

Field billable Hrs:

Compa	ny: Trinity Oilfield Services & Rentals, I	LC		Phone:	(575)39	90-7208	TAT W	ork Day	s = D	Need re	esults by	/:			Time	e:	Other
Addres	s: P.O. Box 2587			Fax:	-			Std (5-	7 D) 5Hr	rs 1D 2	2D 3D 4	4D 5D	7D 10D	14D	Other_		Size(s): 2oz, 4oz, 8oz, 16oz, 32oz , 1Gal 40ml, 125 ml, 250 ml, 500 ml, 1L, Other
City:	Hobbs	-	State: NM	Zip:	88241					ANA	ALYSE	SREC	OUEST	ED			** Preservative Type Codes
PM/Att	n: Ben J. Arguijo		Email: wade ben@trinity				Cont Type *	GC	GC	GC							A. None E. HCL I. Ice B. HNO ₃ F. MeOH J. MCAA
Project	ID: Mesa Verde BS Unit #8		<u> </u>	PO#:			Pres Type"	-	ı								C. H ₂ SO ₄ G. Na ₂ S ₂ O ₃ K. ZnAc&NaOH D. NaOH H. NaHSO ₄ L Asbc Acid&NaOH O.
nvoice	To: Oxy - Wade Dittrich (575)390-2828	·	-	Quote #:			99	•		•						£	^ Matrix Type Codes
			Event: Daily Semi-Annual		Month! N/A	У	Example files by 8260	8015M	втех	Chloride						d Sample Run	GW Ground Water S Soil/Sediment/Solid WW Waste Water W Wipe DW Drinking Water A Air
Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field	OK (Y/N) Total # of	Exam Volatiles I	TPH	В	ర్						CALL BO	SW Surface Water O Oil OW Ocean/Sea Water T Tissue PL Product-Liquid U Urine PS Product-Solid B Blood SL Sludge
San		100					# Cent	Lab Only	r:	L	<u> </u>					No.	REMARKS
1	SP-1	3/6/19	1150	S		1		Х	Х	Х							
_2	SP-2	3/6/19	1156	S		1		Х	Х	Х							
3	SP-3	3/6/19	1203	S		1		X	Х	Х				·			
4	SP-4	3/6/19	1208	S		1		X	Х	Х							
5	SP-5	3/6/19	1212	S		1		X	X	Х							
6	SP-6	3/6/19	1214	s				X	Х	Х							
7	SP-7	3/6/19	1217	S		_ 1		X	Х	X					* .:*	100	
8	SP-8	3/6/19	1219	S				X	X	X				11			
9	SP-9	3/6/19	1221	s				Х	X	X							
0	SP-10	3/6/19	1329	S				X	X	X							
	Reg. Program / Clean-up Std TRRP DW NPDES LPST DryCln			PA OK	1 <u>2</u>	3 4 (vel & Certi CLP AFCEE (LAP Other:		ADaPT XLS Oth		ERPIMS	Match Absent	Labels Incomplete Unclear	1/10	f ₂	Temp °C	Lab Use Only YES NO N// Non-Conformances found? Samples intact upon arrival?
1	Relinquished by		Affilia Trini		3/	Date <i>(2/19</i>	92	me 56 (eceived		Affil	lation S	318		95L	Received on Wet Ice? Labeled with proper preservatives? Received within holding time?
2	Ritte		W	3	31	13/10		$\overline{\Omega}$	1/0	1		Cor	100	3/13	119	1245	Custody seals intact? VOCs rec'd w/o headspace? Proper containers used?
3	~~				<u> </u>									<u> </u>			pH verified-acceptable, excl VOCs? Received on time to meet HTs?
4												1		<u> </u>			

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

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

Final 1.000

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H	We call to the	
ì	PQJ,LQ91	
И		
H	Laboratories	
Н		
b		

CHAIN OF CUSTODY RECORD

Page 2 of 2

/ial Amber	ES	Encore Sample
/ial Clear	TS	TerraCore Sa
/ial Pre-preserved	AC	Air Canister
Glass Amber	TB	Tedlar Bag
Glass Clear	ZΒ	Zip Lock Bag
Patrick Co. A. and Co.	-	DI (0)

*Container Type Codes

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

LAB W.O#:

												Field bil	lable Hr	s :			PA Plastic Amber PC Plastic Clear
ompany:	Trinity Oilfield Services & Rentals	, LLC		Phone:	(575)390	0-7208	TAT V	Vork Day	s = D	Need re	esults by	/:			Time	e:	PC Plastic Clear Other
	P.O. Box 2587		· .	Fax:				Std (5-	7 D) 5H	rs 1D 2	2D 3D 4	4D 5D	7D 10D	14D	Other_	<u> </u>	Size(s): 2oz, 4oz, 8oz, 16oz, 32oz , 1Gal 40ml, 125 ml, 250 ml, 500 ml, 1L, Other
	Hobbs		State: NM	Zip:	88241					ANA	ALYSE	SREC	MUEST	ED		1,000	** Preservative Type Codes
M/Attn:	Ben J. Arguijo		Email: wade ben@trinity				Cont Type VC	GC	GC	G							A. None E. HCL I. ice B. HNO ₃ F. MeOH J. MCAA
roject ID:	Mesa Verde BS Unit #8			PO#:			Pres Type	1	ı	1							C. H ₂ SO ₄ G. Na ₂ S ₂ O ₃ K. ZnAc&NaOH D. NaOH H. NaHSO ₄ L Asbc Acid&NaOH O
voice To:	Oxy - Wade Dittrich (575)390-282	8		Quote #:			092									- 5	^ Matrix Type Codes
ampler Na osh Halcon			Event: Daily Semi-Annual		Monthly N/A	OSTITUS MODERNS	Example Volatiles by 8260	8015M	втех	Chloride					•	ld Sampi	GW Ground Water S Soil/Sediment/Solid W Waste Water DW Drinking Water SW Surface Water SW Surface Water O Oil
Sample #	Sample ID	Collect Date	Collect Time	Matrix Code ^	Field Filtered Integrity	OK (Y/N) Total # of	Ex Volatific	ТРН	<u></u>	ס						Ho CALL	OW Ocean/Sea Water T Tissue PL Product-Liquid U Urine PS Product-Solid B Blood SL Sludge
Sa							# Con	Lab Only	y:	L	1						REMARKS
1	SP-11	3/6/19	1332	S		1		X	Х	Х							
2	SP-12	3/6/19	1334	S		1		Х	Х	Х							
3	SP-13	3/6/19	1340	s		1		X	X	x							
4	SP-14	3/6/19	1343	s		1		X	x	X							
5	SP-15	3/6/19	1345	s		1		X	X	X				-			
	SP-16	3/7/19	1054	s		 		X	X	X				· .			
7	SP-17	3/7/19	1057	s		\top		$\frac{1}{x}$	X	X							
						1			†	 	1						
8	SP-18	3/7/19	1101	S		1		X	X	X							
9	SP-19	3/7/19	1103	S		1		X	X	X	1						
0					0.17											= 10	Library 1950 No. 1950 No. 1950
	Program / Glean-up Std P DW NPDES LPST DryCln			PA OK	1 <u>2</u> NELAC	3 4 C DoD-EL	vel & Certi LP AFCEE AP Other:	QAPP	XLS Oth	A STATE OF THE STA	ERPIMS	Match Absent	incomplete Unclear	1-13	200lers 2 ate	Temp 'C	Lab Use Orlly YES NO N// Non-Conformances found? Samples intact upon arrival?
1 2	Relinquished by		Affilia Trivit	k	3/1	ate - / (4)	Same and definition of the	ime ミフ		ceived	t	YY	ation	200000000000000000000000000000000000000	019	Time 95	Labeled with proper preservatives?
2	Britta		m	<	31	2110	1 26	NAME OF THE PERSON NAME OF THE P	1000			XON	ita	216	(Tia	1345	Received within holding time? Custody seals intact? VOCs rec'd w/o headspace?
3						(/)	16		1			\\~`	<u>, - 0</u>	1	71.	100	Proper containers used? pH verified-acceptable, excl VOCs?

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

C.O.C. Serial #

Received on time to meet HTs?

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

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XENCO Laboratories Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 03/13/2019 12:45:00 PM

Acceptable Temperature Range: 0 - 6 degC
Air and Metal samples Acceptable Range: Ambient

Work Order #: 617507

Temperature Measuring device used: R8

	Sample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?		1.2
#2 *Shipping container in good condition	?	Yes
#3 *Samples received on ice?		Yes
#4 *Custody Seals intact on shipping cor	ntainer/ cooler?	N/A
#5 Custody Seals intact on sample bottle	es?	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 relinqu	uished/ received?	Yes
#10 Chain of Custody agrees with sampl	e 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 indicate	ed test(s)?	Yes
#16 All samples received within hold time	e?	Yes
#17 Subcontract of sample(s)?		N/A
#18 Water VOC samples have zero head	dspace?	N/A
* Must be completed for after-hours de Analyst:	livery of samples prior to placing in PH Device/Lot#:	the refrigerator
Checklist completed by: Checklist reviewed by:	Bawa Tul Brianna Teel Hely Taulor	Date: 03/13/2019
Oncomist reviewed by.	Holly Taylor	Date: 03/15/2019



Certificate of Analysis Summary 620782

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Mesa Verde BS Unit #8



Project Id: Contact:

Ben Arguijo

Project Location:

Date Received in Lab: Thu Apr-11-19 11:15 am

Report Date: 23-APR-19 **Project Manager:** Holly Taylor

	Lab Id:	620782-0	001	620782-	002	620782-0	003	620782-	004	620782-0	005	620782-	006
Amalusia Daguastad	Field Id:	SP-1 @	6"	SP-3 @	6"	SP-5 @	6"	SP-7 @	6"	SP-9 @	6"	SP-11 @	6"
Analysis Requested	Depth:												
	Matrix:	SOIL		SOIL	SOIL			SOIL		SOIL	,	SOIL	
	Sampled:	Apr-09-19	09:58	Apr-09-19	09:49	Apr-09-19	09:47	Apr-09-19	09:43	Apr-09-19	09:30	Apr-09-19	09:25
BTEX by EPA 8021B	Extracted:	Apr-16-19	08:30	Apr-17-19	08:30	Apr-17-19	08:30	Apr-17-19	08:30	Apr-17-19 08:30		Apr-17-19	08:30
	Analyzed:	Apr-16-19	20:22	Apr-17-19	23:19	Apr-17-19	23:38	Apr-17-19	23:57	Apr-17-19	12:16	Apr-17-19	12:35
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Benzene	·	< 0.00199	0.00199	< 0.00201	0.00201	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00202	0.00202
Toluene		< 0.00199	0.00199	0.00215	0.00201	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00202	0.00202
Ethylbenzene		< 0.00199	0.00199	0.00608	0.00201	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00202	0.00202
m,p-Xylenes		< 0.00398	0.00398	0.0494	0.00402	< 0.00398	0.00398	< 0.00400	0.00400	< 0.00400	0.00400	< 0.00404	0.00404
o-Xylene		< 0.00199	0.00199	0.0409	0.00201	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00202	0.00202
Total Xylenes		< 0.00199	0.00199	0.0903	0.00201	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00202	0.00202
Total BTEX		< 0.00199	0.00199	0.0985	0.00201	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00202	0.00202
Chloride by EPA 300	Extracted:	Apr-17-19	19:00	Apr-17-19	19:00	Apr-19-19	09:40	Apr-19-19	09:40	Apr-19-19	09:40	Apr-19-19	09:40
	Analyzed:	Apr-18-19	02:21	Apr-18-19	02:27	Apr-19-19	20:31	Apr-19-19	20:37	Apr-19-19	20:44	Apr-19-19	20:50
	Units/RL:	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL	mg/kg	RL
Chloride		2020	24.8	279	5.00	121	4.98	76.6	4.98	237	5.01	68.4	5.01
TPH By SW8015 Mod	Extracted:	Apr-13-19	09:00	Apr-13-19	09:00	Apr-13-19	09:00	Apr-13-19	09:00	Apr-13-19	09:00	Apr-13-19	09:00
	Analyzed:	Apr-13-19	11:13	Apr-14-19	09:50	Apr-13-19	12:30	Apr-13-19	12:50	Apr-13-19	13:09	Apr-13-19	13:28
	Units/RL:	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	436	74.9	<14.9	14.9	<15.0	15.0	<15.0	15.0	<15.0	15.0
Diesel Range Organics (DRO)		124	15.0	5800	74.9	68.5	14.9	24.4	15.0	29.9	15.0	19.0	15.0
Motor Oil Range Hydrocarbons (MRO)		<15.0	15.0	925	74.9	17.5	14.9	<15.0	15.0	<15.0	15.0	<15.0	15.0
Total TPH		124	15.0	7160	74.9	86.0	14.9	24.4	15.0	29.9	15.0	19.0	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

thely Taylor



Certificate of Analysis Summary 620782

Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Project Name: Mesa Verde BS Unit #8

Pag

Project Id: Contact:

Ben Arguijo

Project Location:

Date Received in Lab: Thu Apr-11-19 11:15 am

Report Date: 23-APR-19

Project Manager: Holly Taylor

	Lab Id:	620782-	007	620782-	800	620782-0	009	620782-	010	620782-	011	620782-	012
Anglysis Paguested	Field Id:	SP-12 @	6"	SP-13 @	6"	SP-15 @	6"	SP-16 @	6"	SP-17 @	6"	SP-19 @	6"
Analysis Requested	Depth:												
	Matrix:	SOIL		SOIL	SOIL		,	SOIL		SOIL	.	SOIL	_
	Sampled:	Apr-09-19	08:52	Apr-09-19	08:56	Apr-09-19	10:09	Apr-09-19	11:00	Apr-09-19	10:45	Apr-09-19	10:30
BTEX by EPA 8021B	Extracted:	Apr-17-19	08:30										
	Analyzed:	Apr-17-19	12:54	Apr-17-19	13:13	Apr-17-19	13:32	Apr-17-19	13:51	Apr-17-19	14:10	Apr-17-19	15:24
	Units/RL:	mg/kg	RL										
Benzene		< 0.00198	0.00198	< 0.00201	0.00201	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00202	0.00202
Toluene		< 0.00198	0.00198	< 0.00201	0.00201	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00202	0.00202
Ethylbenzene		< 0.00198	0.00198	< 0.00201	0.00201	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00202	0.00202
m,p-Xylenes		< 0.00397	0.00397	< 0.00402	0.00402	< 0.00398	0.00398	< 0.00401	0.00401	< 0.00399	0.00399	< 0.00403	0.00403
o-Xylene		< 0.00198	0.00198	< 0.00201	0.00201	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00202	0.00202
Total Xylenes		< 0.00198	0.00198	< 0.00201	0.00201	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00202	0.00202
Total BTEX		< 0.00198	0.00198	< 0.00201	0.00201	< 0.00199	0.00199	< 0.00200	0.00200	< 0.00200	0.00200	< 0.00202	0.00202
Chloride by EPA 300	Extracted:	Apr-19-19	09:40	Apr-19-19	09:40	Apr-19-19	12:00	Apr-19-19	12:00	Apr-19-19	12:00	Apr-19-19	12:00
	Analyzed:	Apr-19-19	20:57	Apr-19-19	21:03	Apr-19-19	17:36	Apr-19-19	17:56	Apr-19-19	18:02	Apr-19-19	18:09
	Units/RL:	mg/kg	RL										
Chloride		108	5.01	682	24.8	127	5.00	1200	25.2	206	4.99	1010	25.0
TPH By SW8015 Mod	Extracted:	Apr-13-19	09:00										
	Analyzed:	Apr-13-19	13:47	Apr-13-19	14:07	Apr-13-19	14:26	Apr-13-19	14:46	Apr-13-19	15:45	Apr-13-19	16:04
	Units/RL:	mg/kg	RL										
Gasoline Range Hydrocarbons (GRO)		<15.0	15.0	<14.9	14.9	<14.9	14.9	<15.0	15.0	<15.0	15.0	<15.0	15.0
Diesel Range Organics (DRO)		218	15.0	217	14.9	1060	14.9	3230	15.0	59.6	15.0	706	15.0
Motor Oil Range Hydrocarbons (MRO)		32.8	15.0	17.1	14.9	17.9	14.9	1120 E	15.0	89.8	15.0	130	15.0
Total TPH		251	15.0	234	14.9	1080	14.9	4350	15.0	149	15.0	836	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

Analytical Report 620782

for

Trinity Oilfield Services & Rentals, LLC

Project Manager: Ben Arguijo Mesa Verde BS Unit #8

23-APR-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)





23-APR-19

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

Reference: XENCO Report No(s): 620782

Mesa Verde BS Unit #8

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) 620782. 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. 620782 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,

thely Taylor

Holly Taylor

Project Manager

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

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



Sample Cross Reference 620782



Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id	Matrix	Date Collected	Sample Depth	Lab Sample Id
SP-1 @ 6"	S	04-09-19 09:58		620782-001
SP-3 @ 6"	S	04-09-19 09:49		620782-002
SP-5 @ 6"	S	04-09-19 09:47		620782-003
SP-7 @ 6"	S	04-09-19 09:43		620782-004
SP-9 @ 6"	S	04-09-19 09:30		620782-005
SP-11 @ 6"	S	04-09-19 09:25		620782-006
SP-12 @ 6"	S	04-09-19 08:52		620782-007
SP-13 @ 6"	S	04-09-19 08:56		620782-008
SP-15 @ 6"	S	04-09-19 10:09		620782-009
SP-16 @ 6"	S	04-09-19 11:00		620782-010
SP-17 @ 6"	S	04-09-19 10:45		620782-011
SP-19 @ 6"	S	04-09-19 10:30		620782-012

CASE NARRATIVE

Client Name: Trinity Oilfield Services & Rentals, LLC

Project Name: Mesa Verde BS Unit #8

Project ID: Report Date: 23-APR-19
Work Order Number(s): 620782 Date Received: 04/11/2019

Sample receipt non conformances and comments:

Chloride Batch 3086469: MB of 1.39 mg/kg is acceptable as it is below the reporting limit of 5.00 mg/kg.

Sample receipt non conformances and comments per sample:

None

Analytical non conformances and comments:

Batch: LBA-3085698 TPH By SW8015 Mod

Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected; data confirmed by

re-analysis.

Samples affected are: 620782-002.

Batch: LBA-3085867 BTEX by EPA 8021B

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

Batch: LBA-3086132 BTEX by EPA 8021B

Toluene Relative Percent Difference (RPD) between matrix spike and duplicate was above quality control limits.

Samples in the analytical batch are: 620782-002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012 Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Lab Sample ID 620782-002 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Benzene, Ethylbenzene, Toluene, m,p-Xylenes, o-Xylene recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 620782-002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012.

The Laboratory Control Sample for Toluene, Benzene, m,p-Xylenes, Ethylbenzene, o-Xylene is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3086451 Chloride by EPA 300

Lab Sample ID 621142-003 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 620782-009, -010, -011, -012.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

SP-1 @ 6" Sample Id:

Matrix: Soil Date Received:04.11.19 11.15

Lab Sample Id: 620782-001

Date Collected: 04.09.19 09.58

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

SPC

% Moisture:

Analyst:

SPC

Date Prep: 04.17.19 19.00 Basis:

Wet Weight

Seq Number: 3086191

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	2020	24.8	mg/kg	04.18.19 02.21		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech:

ARM

% Moisture:

ARM Analyst:

04.13.19 09.00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	04.13.19 11.13	U	1
Diesel Range Organics (DRO)	C10C28DRO	124	15.0		mg/kg	04.13.19 11.13		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	04.13.19 11.13	U	1
Total TPH	PHC635	124	15.0		mg/kg	04.13.19 11.13		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	1	11-85-3	96	%	70-135	04.13.19 11.13		
o-Terphenyl	8	34-15-1	103	%	70-135	04.13.19 11.13		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-1 @ 6" Matrix: Soil Date Received:04.11.19 11.15

Lab Sample Id: 620782-001

Date Collected: 04.09.19 09.58

Prep Method: SW5030B

Analytical Method: BTEX by EPA 8021B

SCM

% Moisture:

Tech: SCM

Analyst:

Date Prep:

04.16.19 08.30

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	04.16.19 20.22	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	04.16.19 20.22	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	04.16.19 20.22	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	04.16.19 20.22	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	04.16.19 20.22	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	04.16.19 20.22	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	04.16.19 20.22	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	96	%	70-130	04.16.19 20.22		
1,4-Difluorobenzene		540-36-3	101	%	70-130	04.16.19 20.22		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

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

Matrix: Soil

Date Prep:

279

Result

16887-00-6

Date Received:04.11.19 11.15

Lab Sample Id: 620782-002

Date Collected: 04.09.19 09.49

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Analysis Date

04.18.19 02.27

% Moisture:

Tech:

Analyst:

Chloride

SPC SPC

70

04.17.19 19.00

Basis:

Wet Weight

Seq Number: 3086191

Parameter Cas Number

RL

5.00

Units

mg/kg

Dil

1

Flag

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

% Moisture:

Tech: Analyst: ARM ARM

Date Prep:

04.13.19 09.00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	436	74.9		mg/kg	04.14.19 09.50		5
Diesel Range Organics (DRO)	C10C28DRO	5800	74.9		mg/kg	04.14.19 09.50		5
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	925	74.9		mg/kg	04.14.19 09.50		5
Total TPH	PHC635	7160	74.9		mg/kg	04.14.19 09.50		5
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	1	111-85-3	124	%	70-135	04.14.19 09.50		
o-Terphenyl	8	34-15-1	200	%	70-135	04.14.19 09.50	**	





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-3 @ 6" Matrix: Soil Date Received:04.11.19 11.15

Lab Sample Id: 620782-002

Date Collected: 04.09.19 09.49

Prep Method: SW5030B

% Moisture:

Tech: SCM

Analyst:

SCM

Analytical Method: BTEX by EPA 8021B

Date Prep:

04.17.19 08.30

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	04.17.19 23.19	U	1
Toluene	108-88-3	0.00215	0.00201		mg/kg	04.17.19 23.19		1
Ethylbenzene	100-41-4	0.00608	0.00201		mg/kg	04.17.19 23.19		1
m,p-Xylenes	179601-23-1	0.0494	0.00402		mg/kg	04.17.19 23.19		1
o-Xylene	95-47-6	0.0409	0.00201		mg/kg	04.17.19 23.19		1
Total Xylenes	1330-20-7	0.0903	0.00201		mg/kg	04.17.19 23.19		1
Total BTEX		0.0985	0.00201		mg/kg	04.17.19 23.19		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	122	%	70-130	04.17.19 23.19		
1,4-Difluorobenzene		540-36-3	99	%	70-130	04.17.19 23.19		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

SP-5 @ 6" Sample Id:

Matrix: Soil Date Received:04.11.19 11.15

Lab Sample Id: 620782-003

Date Collected: 04.09.19 09.47

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

CHE Analyst:

Date Prep:

04.19.19 09.40

Basis:

Wet Weight

Seq Number: 3086469

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	121	4.98	mg/kg	04.19.19 20.31		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech:

ARM

% Moisture:

ARM Analyst:

04.13.19 09.00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9		mg/kg	04.13.19 12.30	U	1
Diesel Range Organics (DRO)	C10C28DRO	68.5	14.9		mg/kg	04.13.19 12.30		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	17.5	14.9		mg/kg	04.13.19 12.30		1
Total TPH	PHC635	86.0	14.9		mg/kg	04.13.19 12.30		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	1	111-85-3	92	%	70-135	04.13.19 12.30		
o-Terphenyl	8	84-15-1	91	%	70-135	04.13.19 12.30		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-5 @ 6"

Soil Matrix:

Date Received:04.11.19 11.15

Lab Sample Id: 620782-003

Date Collected: 04.09.19 09.47

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

SCM

% Moisture:

Tech: SCM Analyst:

Date Prep:

04.17.19 08.30

Basis: Wet Weight

Parameter	Cas Number	Result	\mathbf{RL}		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	04.17.19 23.38	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	04.17.19 23.38	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	04.17.19 23.38	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	04.17.19 23.38	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	04.17.19 23.38	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	04.17.19 23.38	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	04.17.19 23.38	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	96	%	70-130	04.17.19 23.38		
1 4-Difluorobenzene		540-36-3	99	%	70-130	04 17 19 23 38		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-7 @ 6"

Matrix: Soil

Date Received:04.11.19 11.15

Lab Sample Id: 620782-004

Date Collected: 04.09.19 09.43

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:
Analyst:

CHE

% Moisture:

Tech: CHI

CHE

Date Prep: 04.19.19 09.40

Basis:

Wet Weight

Seq Number: 3086469

 Parameter
 Cas Number
 Result
 RL
 Units
 Analysis Date
 Flag
 Dil

 Chloride
 16887-00-6
 76.6
 4.98
 mg/kg
 04.19.19 20.37
 1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech:

ARM

% Moisture:

Analyst: ARM

Date Prep: 04.13.19 09.00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	04.13.19 12.50	U	1
Diesel Range Organics (DRO)	C10C28DRO	24.4	15.0		mg/kg	04.13.19 12.50		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	04.13.19 12.50	U	1
Total TPH	PHC635	24.4	15.0		mg/kg	04.13.19 12.50		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	1	11-85-3	95	%	70-135	04.13.19 12.50		
o-Terphenyl	8-	4-15-1	94	%	70-135	04.13.19 12.50		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

SP-7 @ 6" Sample Id:

Matrix: Soil Date Received:04.11.19 11.15

Lab Sample Id: 620782-004

Date Collected: 04.09.19 09.43

04.17.19 08.30

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Date Prep:

% Moisture:

Basis:

Wet Weight

Tech: SCM

SCM Analyst:

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	04.17.19 23.57	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	04.17.19 23.57	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	04.17.19 23.57	U	1
m,p-Xylenes	179601-23-1	< 0.00400	0.00400		mg/kg	04.17.19 23.57	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	04.17.19 23.57	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	04.17.19 23.57	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	04.17.19 23.57	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
	_							





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

SP-9 @ 6" Sample Id:

Matrix: Soil Date Received:04.11.19 11.15

Lab Sample Id: 620782-005

Date Collected: 04.09.19 09.30

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: Analyst: CHE

% Moisture:

CHE

04.19.19 09.40

Basis:

Wet Weight

Seq Number: 3086469

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	237	5.01	mg/kg	04.19.19 20.44		1

Date Prep:

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech:

ARM

% Moisture:

ARM Analyst:

04.13.19 09.00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	04.13.19 13.09	U	1
Diesel Range Organics (DRO)	C10C28DRO	29.9	15.0		mg/kg	04.13.19 13.09		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	04.13.19 13.09	U	1
Total TPH	PHC635	29.9	15.0		mg/kg	04.13.19 13.09		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	1	11-85-3	97	%	70-135	04.13.19 13.09		
o-Terphenyl	84	4-15-1	96	%	70-135	04.13.19 13.09		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-9 @ 6"

Matrix: Soil

Date Received:04.11.19 11.15

Lab Sample Id: 620782-005

Date Collected: 04.09.19 09.30

Prep Method: SW5030B

Analytical Method: BTEX by EPA 8021B

% Moisture:

Tech: SCM

Analyst:

SCM SCM

Date Prep: 04.17.19 08.30

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	04.17.19 12.16	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	04.17.19 12.16	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	04.17.19 12.16	U	1
m,p-Xylenes	179601-23-1	< 0.00400	0.00400		mg/kg	04.17.19 12.16	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	04.17.19 12.16	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	04.17.19 12.16	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	04.17.19 12.16	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	102	%	70-130	04.17.19 12.16		
4-Bromofluorobenzene		460-00-4	99	%	70-130	04.17.19 12.16		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-11 @ 6" Matrix: Soil Date Received:04.11.19 11.15

Lab Sample Id: 620782-006

Date Collected: 04.09.19 09.25

Analytical Method: Chloride by EPA 300

Prep Method: E300P

CHE Tech:

Date Prep:

84-15-1

% Moisture:

CHE Analyst:

04.19.19 09.40

Basis:

Wet Weight

Seq Number: 3086469

Parameter Cas Number Result RL Units **Analysis Date** Flag Dil Chloride 16887-00-6 68.4 04.19.19 20.50 5.01 mg/kg 1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

04.13.19 13.28

ARM Tech:

Seq Number: 3085698

% Moisture:

70-135

ARM Analyst:

o-Terphenyl

04.13.19 09.00 Date Prep:

101

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	04.13.19 13.28	U	1
Diesel Range Organics (DRO)	C10C28DRO	19.0	15.0		mg/kg	04.13.19 13.28		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	<15.0	15.0		mg/kg	04.13.19 13.28	U	1
Total TPH	PHC635	19.0	15.0		mg/kg	04.13.19 13.28		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane		111-85-3	100	%	70-135	04.13.19 13.28		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-11 @ 6" Matrix: Soil Date Received:04.11.19 11.15

Lab Sample Id: 620782-006

Date Collected: 04.09.19 09.25

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

SCM

% Moisture:

Tech: SCM

Analyst:

Date Prep: 04.17.19 08.30 Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00202	0.00202		mg/kg	04.17.19 12.35	U	1
Toluene	108-88-3	< 0.00202	0.00202		mg/kg	04.17.19 12.35	U	1
Ethylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	04.17.19 12.35	U	1
m,p-Xylenes	179601-23-1	< 0.00404	0.00404		mg/kg	04.17.19 12.35	U	1
o-Xylene	95-47-6	< 0.00202	0.00202		mg/kg	04.17.19 12.35	U	1
Total Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	04.17.19 12.35	U	1
Total BTEX		< 0.00202	0.00202		mg/kg	04.17.19 12.35	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	97	%	70-130	04.17.19 12.35		
1,4-Difluorobenzene		540-36-3	101	%	70-130	04.17.19 12.35		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-12 @ 6" Matrix: Soil Date Received:04.11.19 11.15

Lab Sample Id: 620782-007

Date Collected: 04.09.19 08.52

Analytical Method: Chloride by EPA 300

Prep Method: E300P

% Moisture:

Tech: Analyst: CHE

Wet Weight

Seq Number: 3086469

CHE

Date Prep: 04.19.19 09.40 Basis:

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	108	5.01	mg/kg	04.19.19 20.57		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

% Moisture:

Tech: Analyst: ARMARM

04.13.19 09.00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	04.13.19 13.47	U	1
Diesel Range Organics (DRO)	C10C28DRO	218	15.0		mg/kg	04.13.19 13.47		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	32.8	15.0		mg/kg	04.13.19 13.47		1
Total TPH	PHC635	251	15.0		mg/kg	04.13.19 13.47		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	1	11-85-3	100	%	70-135	04.13.19 13.47		
o-Terphenyl	8	34-15-1	110	%	70-135	04.13.19 13.47		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-12 @ 6"

Matrix: Soil

Date Received:04.11.19 11.15

Lab Sample Id: 620782-007

Date Collected: 04.09.19 08.52

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech:

SCM

% Moisture:

Analyst: SCM

Date Prep:

04.17.19 08.30

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00198	0.00198		mg/kg	04.17.19 12.54	U	1
Toluene	108-88-3	< 0.00198	0.00198		mg/kg	04.17.19 12.54	U	1
Ethylbenzene	100-41-4	< 0.00198	0.00198		mg/kg	04.17.19 12.54	U	1
m,p-Xylenes	179601-23-1	< 0.00397	0.00397		mg/kg	04.17.19 12.54	U	1
o-Xylene	95-47-6	< 0.00198	0.00198		mg/kg	04.17.19 12.54	U	1
Total Xylenes	1330-20-7	< 0.00198	0.00198		mg/kg	04.17.19 12.54	U	1
Total BTEX		< 0.00198	0.00198		mg/kg	04.17.19 12.54	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	102	%	70-130	04.17.19 12.54		
4-Bromofluorobenzene		460-00-4	97	%	70-130	04.17.19 12.54		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

SP-13 @ 6" Sample Id:

Matrix: Soil Date Received:04.11.19 11.15

Lab Sample Id: 620782-008

Date Collected: 04.09.19 08.56

04.19.19 09.40

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech:

CHE

% Moisture:

CHE Analyst:

Date Prep:

Basis:

Wet Weight

Seq Number: 3086469

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	682	24.8	mg/kg	04.19.19 21.03		

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech:

ARM

% Moisture:

ARM Analyst: Seq Number: 3085698

04.13.19 09.00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9		mg/kg	04.13.19 14.07	U	1
Diesel Range Organics (DRO)	C10C28DRO	217	14.9		mg/kg	04.13.19 14.07		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	17.1	14.9		mg/kg	04.13.19 14.07		1
Total TPH	PHC635	234	14.9		mg/kg	04.13.19 14.07		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	

	% I					
ogate	Cas Number		Units	Limits	Analysis Date	Flag
orooctane	111-85-3	95	%	70-135	04.13.19 14.07	
phenyl	84-15-1	110	%	70-135	04.13.19 14.07	
orooctane	Cas Number 111-85-3	95	%	70-135	04.13.19 14.07	





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: **SP-13** @ **6**"

Matrix: Soil

Date Received:04.11.19 11.15

Lab Sample Id: 620782-008

Date Collected: 04.09.19 08.56

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech:

SCM

% Moisture:

Analyst: SCM

Date Prep: 04.17.19 08.30

Basis: Wet

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00201	0.00201		mg/kg	04.17.19 13.13	U	1
Toluene	108-88-3	< 0.00201	0.00201		mg/kg	04.17.19 13.13	U	1
Ethylbenzene	100-41-4	< 0.00201	0.00201		mg/kg	04.17.19 13.13	U	1
m,p-Xylenes	179601-23-1	< 0.00402	0.00402		mg/kg	04.17.19 13.13	U	1
o-Xylene	95-47-6	< 0.00201	0.00201		mg/kg	04.17.19 13.13	U	1
Total Xylenes	1330-20-7	< 0.00201	0.00201		mg/kg	04.17.19 13.13	U	1
Total BTEX		< 0.00201	0.00201		mg/kg	04.17.19 13.13	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	98	%	70-130	04.17.19 13.13		
1,4-Difluorobenzene		540-36-3	102	%	70-130	04.17.19 13.13		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

SP-15 @ 6" Sample Id:

Matrix: Soil Date Received:04.11.19 11.15

Lab Sample Id: 620782-009

Date Collected: 04.09.19 10.09

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: Analyst: CHE

% Moisture:

CHE

Date Prep: 04.19.19 12.00 Basis:

Wet Weight

Seq Number: 3086451

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	127	5.00	mg/kg	04.19.19 17.36		1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

% Moisture:

Tech: Analyst: ARMARM

04.13.19 09.00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<14.9	14.9		mg/kg	04.13.19 14.26	U	1
Diesel Range Organics (DRO)	C10C28DRO	1060	14.9		mg/kg	04.13.19 14.26		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	17.9	14.9		mg/kg	04.13.19 14.26		1
Total TPH	PHC635	1080	14.9		mg/kg	04.13.19 14.26		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	1	11-85-3	96	%	70-135	04.13.19 14.26		
o-Terphenyl	84	4-15-1	123	%	70-135	04.13.19 14.26		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: **SP-15** @ 6"

Matrix: Soil

Date Received:04.11.19 11.15

Lab Sample Id: 620782-009

Date Collected: 04.09.19 10.09

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: So

SCM

% Moisture:

Analyst: SCM

Date Prep: 0

04.17.19 08.30

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00199	0.00199		mg/kg	04.17.19 13.32	U	1
Toluene	108-88-3	< 0.00199	0.00199		mg/kg	04.17.19 13.32	U	1
Ethylbenzene	100-41-4	< 0.00199	0.00199		mg/kg	04.17.19 13.32	U	1
m,p-Xylenes	179601-23-1	< 0.00398	0.00398		mg/kg	04.17.19 13.32	U	1
o-Xylene	95-47-6	< 0.00199	0.00199		mg/kg	04.17.19 13.32	U	1
Total Xylenes	1330-20-7	< 0.00199	0.00199		mg/kg	04.17.19 13.32	U	1
Total BTEX		< 0.00199	0.00199		mg/kg	04.17.19 13.32	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	99	%	70-130	04.17.19 13.32		
4-Bromofluorobenzene		460-00-4	93	%	70-130	04.17.19 13.32		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-16 @ 6" Matrix: Soil Date Received:04.11.19 11.15

Lab Sample Id: 620782-010

Date Collected: 04.09.19 11.00

Prep Method: E300P

CHE

CHE

Analytical Method: Chloride by EPA 300

Tech:

% Moisture:

Analyst:

Date Prep:

04.19.19 12.00

Basis:

Wet Weight

Seq Number: 3086451

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1200	25.2	mg/kg	04.19.19 17.56		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech:

ARM

% Moisture:

Analyst:

ARM

04.13.19 09.00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	04.13.19 14.46	U	1
Diesel Range Organics (DRO)	C10C28DRO	3230	15.0		mg/kg	04.13.19 14.46		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	1120	15.0		mg/kg	04.13.19 14.46	E	1
Total TPH	PHC635	4350	15.0		mg/kg	04.13.19 14.46		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	1	11-85-3	106	%	70-135	04.13.19 14.46		
o-Terphenyl	8	4-15-1	127	%	70-135	04.13.19 14.46		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

SP-16 @ 6" Sample Id:

Soil Matrix:

Date Received:04.11.19 11.15

Lab Sample Id: 620782-010

Date Collected: 04.09.19 11.00

04.17.19 08.30

Analytical Method: BTEX by EPA 8021B

SCM

Prep Method: SW5030B

Tech: SCM

Analyst:

Date Prep:

% Moisture:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	04.17.19 13.51	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	04.17.19 13.51	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	04.17.19 13.51	U	1
m,p-Xylenes	179601-23-1	< 0.00401	0.00401		mg/kg	04.17.19 13.51	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	04.17.19 13.51	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	04.17.19 13.51	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	04.17.19 13.51	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	105	%	70-130	04.17.19 13.51		
1,4-Difluorobenzene		540-36-3	105	%	70-130	04.17.19 13.51		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: SP-17 @ 6" Matrix: Soil Date Received:04.11.19 11.15

Lab Sample Id: 620782-011

Date Collected: 04.09.19 10.45

Prep Method: E300P

% Moisture:

Tech:

CHE CHE

Analytical Method: Chloride by EPA 300

Date Prep: 04.19.19 12.00

Basis:

Wet Weight

Analyst:

Seq Number: 3086451

Parameter Cas Number Result RL Units **Analysis Date** Flag Dil Chloride 16887-00-6 206 04.19.19 18.02 4.99 mg/kg 1

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

% Moisture:

Tech: Analyst: ARM ARM

04.13.19 09.00 Date Prep:

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	04.13.19 15.45	U	1
Diesel Range Organics (DRO)	C10C28DRO	59.6	15.0		mg/kg	04.13.19 15.45		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	89.8	15.0		mg/kg	04.13.19 15.45		1
Total TPH	PHC635	149	15.0		mg/kg	04.13.19 15.45		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	1	11-85-3	91	%	70-135	04.13.19 15.45		
o-Terphenyl	84	1 -15-1	91	%	70-135	04.13.19 15.45		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: **SP-17** @ **6**"

Matrix: Soil

Date Received:04.11.19 11.15

Lab Sample Id: 620782-011

Date Collected: 04.09.19 10.45

ate conceted: 0 1.05.15 10.15

Prep Method: SW5030B

SCM

Analytical Method: BTEX by EPA 8021B

% Moisture:

Analyst: SCM

Tech:

Date Prep:

04.17.19 08.30

Basis: Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00200	0.00200		mg/kg	04.17.19 14.10	U	1
Toluene	108-88-3	< 0.00200	0.00200		mg/kg	04.17.19 14.10	U	1
Ethylbenzene	100-41-4	< 0.00200	0.00200		mg/kg	04.17.19 14.10	U	1
m,p-Xylenes	179601-23-1	< 0.00399	0.00399		mg/kg	04.17.19 14.10	U	1
o-Xylene	95-47-6	< 0.00200	0.00200		mg/kg	04.17.19 14.10	U	1
Total Xylenes	1330-20-7	< 0.00200	0.00200		mg/kg	04.17.19 14.10	U	1
Total BTEX		< 0.00200	0.00200		mg/kg	04.17.19 14.10	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
4-Bromofluorobenzene		460-00-4	102	%	70-130	04.17.19 14.10		
1,4-Difluorobenzene		540-36-3	102	%	70-130	04.17.19 14.10		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

Sample Id: **SP-19** @ **6**"

Matrix: Soil

Date Received:04.11.19 11.15

Lab Sample Id: 620782-012

Date Collected: 04.09.19 10.30

04.19.19 12.00

Analytical Method: Chloride by EPA 300

Prep Method: E300P

CHE CHE

Date Prep:

% Moisture:

Basis:

Wet Weight

Seq Number: 3086451

Parameter	Cas Number	Result	RL	Units	Analysis Date	Flag	Dil
Chloride	16887-00-6	1010	25.0	mg/kg	04.19.19 18.09		5

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

% Moisture:

Tech: Analyst:

Tech:

Analyst:

ARM ARM

Date Prep: 04.13.19 09.00

Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Gasoline Range Hydrocarbons (GRO)	PHC610	<15.0	15.0		mg/kg	04.13.19 16.04	U	1
Diesel Range Organics (DRO)	C10C28DRO	706	15.0		mg/kg	04.13.19 16.04		1
Motor Oil Range Hydrocarbons (MRO)	PHCG2835	130	15.0		mg/kg	04.13.19 16.04		1
Total TPH	PHC635	836	15.0		mg/kg	04.13.19 16.04		1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1-Chlorooctane	1	11-85-3	97	%	70-135	04.13.19 16.04		
o-Terphenyl	84	4-15-1	116	%	70-135	04.13.19 16.04		





Trinity Oilfield Services & Rentals, LLC, Hobbs, NM

Mesa Verde BS Unit #8

04.17.19 08.30

Sample Id: SP-19 @ 6"

Analytical Method: BTEX by EPA 8021B

Matrix: Soil Date Received:04.11.19 11.15

Lab Sample Id: 620782-012

Date Collected: 04.09.19 10.30

Prep Method: SW5030B

% Moisture:

Tech: SCM

Analyst:

SCM Date Prep: Basis:

Wet Weight

Parameter	Cas Number	Result	RL		Units	Analysis Date	Flag	Dil
Benzene	71-43-2	< 0.00202	0.00202		mg/kg	04.17.19 15.24	U	1
Toluene	108-88-3	< 0.00202	0.00202		mg/kg	04.17.19 15.24	U	1
Ethylbenzene	100-41-4	< 0.00202	0.00202		mg/kg	04.17.19 15.24	U	1
m,p-Xylenes	179601-23-1	< 0.00403	0.00403		mg/kg	04.17.19 15.24	U	1
o-Xylene	95-47-6	< 0.00202	0.00202		mg/kg	04.17.19 15.24	U	1
Total Xylenes	1330-20-7	< 0.00202	0.00202		mg/kg	04.17.19 15.24	U	1
Total BTEX		< 0.00202	0.00202		mg/kg	04.17.19 15.24	U	1
Surrogate		Cas Number	% Recovery	Units	Limits	Analysis Date	Flag	
1,4-Difluorobenzene		540-36-3	100	%	70-130	04.17.19 15.24		
4-Bromofluorobenzene		460-00-4	92	%	70-130	04.17.19 15.24		



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.

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

^{**} Surrogate recovered outside laboratory control limit.

Flag

E300P

E300P

Prep Method:

04.17.19



QC Summary 620782

Trinity Oilfield Services & Rentals, LLC

Mesa Verde BS Unit #8

Analytical Method: Chloride by EPA 300 Prep Method: Seq Number: 3086191 Matrix: Solid Date Prep:

LCS Sample Id: 7676024-1-BKS LCSD Sample Id: 7676024-1-BSD MB Sample Id: 7676024-1-BLK

Spike LCS %RPD RPD Limit Units MR LCS Limits LCSD LCSD Analysis Flag **Parameter** Result **Amount** Result %Rec %Rec Date Result 04.17.19 23:20 Chloride < 0.858 250 249 100 252 101 90-110 20 mg/kg

Analytical Method: Chloride by EPA 300 E300P Prep Method:

Seq Number: 3086469 Matrix: Solid Date Prep: 04.19.19

MB Sample Id: 7676193-1-BLK LCS Sample Id: 7676193-1-BKS LCSD Sample Id: 7676193-1-BSD

Spike MB LCS LCS Limits %RPD RPD Limit Units LCSD LCSD **Analysis** Flag **Parameter** Result %Rec Result Amount Result %Rec Date Chloride 1.39 250 254 102 253 101 90-110 0 20 mg/kg 04.19.19 17:56

Analytical Method: Chloride by EPA 300

MB

Prep Method: E300P Seq Number: 3086451 Matrix: Solid 04.19.19 Date Prep:

LCSD Sample Id: 7676196-1-BSD LCS Sample Id: 7676196-1-BKS 7676196-1-BLK MB Sample Id:

LCS %RPD RPD Limit Units Spike LCS Limits LCSD LCSD Analysis **Parameter** Result Amount Result %Rec Date Result %Rec Chloride < 0.858 250 272 109 269 108 90-110 20 04.19.19 17:23 mg/kg

Analytical Method: Chloride by EPA 300

3086191 Matrix: Soil Seq Number: Date Prep: 04.17.19 MSD Sample Id: 620782-002 SD 620782-002 MS Sample Id: 620782-002 S Parent Sample Id:

%RPD RPD Limit Units MS MS Parent Spike **MSD MSD** Limits **Analysis** Flag **Parameter** Result %Rec Date Result Amount Result %Rec Chloride 279 250 514 94 507 91 90-110 20 04.18.19 17:07 mg/kg 1

Analytical Method: Chloride by EPA 300 E300P Prep Method:

3086191 Matrix: Soil Seq Number: Date Prep: 04.17.19 Parent Sample Id: 620948-004 MS Sample Id: 620948-004 S MSD Sample Id: 620948-004 SD

Parent Spike MS MS **MSD** Limits %RPD RPD Limit Units Analysis **MSD** Flag **Parameter** Result Date Result %Rec Amount Result %Rec

Chloride 2 16 252 254 100 258 102 90-110 2 20 mg/kg 04.17.19 23:40

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

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

Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample A = Parent Result

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



QC Summary 620782

Trinity Oilfield Services & Rentals, LLC

Mesa Verde BS Unit #8

Analytical Method: Chloride by EPA 300

Seq Number: 3086469 Matrix: Soil

Date Prep:

MS Sample Id: 621004-003 S Parent Sample Id: 621004-003

MSD Sample Id: 621004-003 SD %RPD RPD Limit Units Analysis

E300P

04.19.19

MS Spike Parent MS Limits **MSD MSD** Flag **Parameter** Result Amount Result %Rec %Rec Date Result 04.19.19 18:16 Chloride 19.3 250 196 71 269 100 90-110 31 20 XF mg/kg

Analytical Method: Chloride by EPA 300

Seq Number: 3086469

621045-001

E300P Prep Method: 04.19.19 Date Prep:

Prep Method:

Matrix: Soil MS Sample Id: 621045-001 S MSD Sample Id: 621045-001 SD

Parent Spike MS MS Limits %RPD RPD Limit Units **MSD MSD** Analysis Flag **Parameter** Result Amount Result %Rec Result %Rec Date Chloride 178 248 256 31 366 76 90-110 35 20 mg/kg 04.22.19 11:04 XF

Analytical Method: Chloride by EPA 300

3086451 Seq Number:

Parent Sample Id:

Prep Method: E300P

04.19.19

Matrix: Soil Date Prep: 620782-009 S Parent Sample Id:

MS Sample Id: 620782-009

MSD Sample Id: 620782-009 SD

%RPD RPD Limit Units Spike MS MS Parent **MSD MSD** Limits Analysis Flag **Parameter** Result Amount Result %Rec Date Result %Rec Chloride 127 250 339 85 334 83 90-110 20 04.19.19 17:43 X mg/kg

Analytical Method: Chloride by EPA 300

Seq Number:

3086451 Matrix: Soil

E300P Prep Method:

04.19.19

MS Sample Id: Parent Sample Id: 621142-003

621142-003 S

Date Prep: MSD Sample Id: 621142-003 SD

%RPD RPD Limit Units MS Parent Spike MS **MSD** Limits Analysis **MSD** Flag **Parameter** Result Date Result Amount %Rec Result %Rec Chloride 6.85 250 279 109 260 90-110 7 20 04.19.19 19:14 101 mg/kg

Analytical Method: TPH By SW8015 Mod

Seq Number:

3085698

Matrix: Solid

Prep Method:

TX1005P

Flag

MB Sample Id:

7675750-1-BLK

LCS Sample Id: 7675750-1-BKS Date Prep: 04.13.19

LCSD Sample Id: 7675750-1-BSD

MB Spike LCS LCS Limits %RPD RPD Limit Units **Analysis** LCSD LCSD **Parameter** Result Date %Rec Result Amount Result %Rec Gasoline Range Hydrocarbons (GRO) < 8.001000 928 93 966 97 70 - 1354 20 mg/kg 04.13.19 10:34 Diesel Range Organics (DRO) < 8.13 1000 965 97 987 99 70-135 2 20 mg/kg 04.13.19 10:34

MBLCS LCSD MB LCS LCSD Limits Units Analysis **Surrogate** %Rec Flag %Rec Flag %Rec Flag Date 1-Chlorooctane 106 123 124 70-135 04.13.19 10:34 % o-Terphenyl 107 120 119 70-135 % 04.13.19 10:34

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

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

Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample

A = Parent Result = MS/LCS Result = MSD/LCSD Result MS = Matrix Spike B = Spike Added D = MSD/LCSD % Rec

Flag

Flag

Flag



QC Summary 620782

Trinity Oilfield Services & Rentals, LLC

Mesa Verde BS Unit #8

Analytical Method: TPH By SW8015 Mod

Seq Number: 3085698 Matrix: Soil

MS Sample Id: 620782-001 S Parent Sample Id: 620782-001

MR

TX1005P Prep Method:

Date Prep: 04.13.19 MSD Sample Id: 620782-001 SD

SW5030B

SW5030B

%RPD RPD Limit Units Parent Spike MS MS Limits **MSD** MSD Analysis **Parameter** Result Amount Result %Rec %Rec Date Result Gasoline Range Hydrocarbons (GRO) 04.13.19 11:32 < 7.99 999 1010 101 1040 104 70-135 3 20 mg/kg 2 20 04.13.19 11:32 Diesel Range Organics (DRO) 124 999 1220 1240 112 70-135 110 mg/kg

MS MS MSD MSD Limits Units **Analysis** Surrogate %Rec Flag Flag Date %Rec 1-Chlorooctane 124 128 70-135 % 04.13.19 11:32 o-Terphenyl 116 119 70-135 % 04.13.19 11:32

Analytical Method: BTEX by EPA 8021B

Prep Method: Seq Number: 3085867 Matrix: Solid Date Prep: 04.16.19 LCS Sample Id: 7675871-1-BKS LCSD Sample Id: 7675871-1-BSD MB Sample Id: 7675871-1-BLK

LCS %RPD RPD Limit Units MR LCS Limits Analysis Spike LCSD LCSD **Parameter** Amount Result %Rec Date Result Result %Rec < 0.000387 0.0994 04.16.19 08:57 Benzene 0.101 0.0990 98 100 70-130 0 35 mg/kg Toluene < 0.000458 0.101 0.0996 99 100 70-130 0 35 04.16.19 08:57 0.100 mg/kg < 0.000568 04.16.19 08:57 0.101 90 0.0918 70-130 0 35 Ethylbenzene 0.0914 92 mg/kg 04.16.19 08:57 m,p-Xylenes < 0.00102 0.201 0.182 91 0.182 91 70-130 0 35 mg/kg < 0.000346 0.0919 0.0921 92 70-130 35 04.16.19 08:57 o-Xylene 0.101 91 mg/kg

MB LCS LCSD LCSD Units Analysis **Surrogate** Flag %Rec Flag %Rec Flag Date %Rec 1.4-Difluorobenzene 90 100 101 70-130 % 04.16.19 08:57 04.16.19 08:57 4-Bromofluorobenzene 82 95 96 70-130 %

LCS

Analytical Method: BTEX by EPA 8021B

Prep Method: Seq Number: 3086132 Matrix: Solid Date Prep: 04.17.19 LCSD Sample Id: 7676055-1-BSD LCS Sample Id: 7676055-1-BKS MB Sample Id: 7676055-1-BLK

LCS LCS Limits %RPD RPD Limit Units Spike LCSD LCSD Analysis **Parameter** %Rec Result Amount Result Result %Rec Date 04.17.19 09:27 < 0.000383 0.0994 0.0929 93 0.0939 Benzene 94 70-130 1 35 mg/kg Toluene < 0.000453 0.0994 0.0930 94 0.0943 94 70-130 1 35 04.17.19 09:27 mg/kg 04.17.19 09:27 Ethylbenzene < 0.000561 0.0994 0.0858 86 0.0868 87 70-130 1 35 mg/kg 04.17.19 09:27 < 0.00101 0.199 0.169 85 0.172 70-130 2 35 m,p-Xylenes 86 mg/kg < 0.000342 04.17.19 09:27 0.0994 0.0856 o-Xylene 86 0.0871 87 70-130 2 35 mg/kg

MB MB LCS LCS LCSD Units Analysis LCSD Limits **Surrogate** Flag %Rec %Rec Flag %Rec Flag Date 1,4-Difluorobenzene 92 100 100 70-130 % 04.17.19 09:27 4-Bromofluorobenzene 86 95 94 70-130 % 04.17.19 09:27

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

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

Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample

A = Parent Result = MS/LCS Result

= MSD/LCSD Result

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

Limits

Flag



QC Summary 620782

Trinity Oilfield Services & Rentals, LLC

Mesa Verde BS Unit #8

Analytical Method: BTEX by EPA 8021B SW5030B Prep Method: Seq Number: 3085867 Matrix: Soil Date Prep: 04.16.19

MS Sample Id: 621040-001 S MSD Sample Id: 621040-001 SD Parent Sample Id: 621040-001

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Limi	t Units	Analysis Date
Benzene	< 0.000383	0.0994	0.0887	89	0.0929	93	70-130	5	35	mg/kg	04.16.19 09:35
Toluene	< 0.000453	0.0994	0.0894	90	0.0929	93	70-130	4	35	mg/kg	04.16.19 09:35
Ethylbenzene	< 0.000561	0.0994	0.0827	83	0.0842	84	70-130	2	35	mg/kg	04.16.19 09:35
m,p-Xylenes	< 0.00101	0.199	0.163	82	0.167	84	70-130	2	35	mg/kg	04.16.19 09:35
o-Xylene	< 0.000342	0.0994	0.0831	84	0.0850	85	70-130	2	35	mg/kg	04.16.19 09:35

MSD Limits MS Units Analysis MS MSD **Surrogate** %Rec Flag Flag Date %Rec 1,4-Difluorobenzene 101 102 70-130 04.16.19 09:35 % 102 04.16.19 09:35 4-Bromofluorobenzene 97 70-130 %

Analytical Method: BTEX by EPA 8021B SW5030B Prep Method: 3086132 Matrix: Soil

Seq Number: Date Prep: 04.17.19 MS Sample Id: 620782-002 S MSD Sample Id: 620782-002 SD Parent Sample Id: 620782-002

Parameter	Parent Result	Spike Amount	MS Result	MS %Rec	MSD Result	MSD %Rec	Limits	%RPD	RPD Lim	it Units	Analysis Date	Flag
Benzene	< 0.000384	0.0998	0.0658	66	0.0470	47	70-130	33	35	mg/kg	04.17.19 22:05	X
Toluene	0.00215	0.0998	0.0531	51	0.0364	34	70-130	37	35	mg/kg	04.17.19 22:05	XF
Ethylbenzene	0.00608	0.0998	0.0434	37	0.0311	25	70-130	33	35	mg/kg	04.17.19 22:05	X
m,p-Xylenes	0.0494	0.200	0.115	33	0.0956	23	70-130	18	35	mg/kg	04.17.19 22:05	X
o-Xylene	0.0409	0.0998	0.0732	32	0.0643	23	70-130	13	35	mg/kg	04.17.19 22:05	X

Surrogate	MS MS %Rec Flag	MSD MSD %Rec Flag	Limits	Units	Analysis Date
1,4-Difluorobenzene	104	105	70-130	%	04.17.19 22:05
4-Bromofluorobenzene	126	126	70-130	%	04.17.19 22:05

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P.O. Box 2587

Ben J. Arguijo

Mesa Verde BS Unit #8

Oxy - Wade Dittrich (575)390-2828

Sample ID

SP-1 @ 6"

SP-3 @ 6"

.SP-5 @ 6"

SP-7 @ 6"

SP-9 @ 6"

SP-11 @ 6"

SP-12 @ 6"

SP-13 @ 6"

SP-15 @ 6"

SP-16 @ 6"

Relinquished by

Reg. Program / Clean-up Std

CTLs TRRP DW NPDES LPST DryCln

Hobbs

Trinity Oilfield Services & Rentals, LLC

Company:

Address:

PM/Attn:

Project ID:

Invoice To:

Sampler Name:

Daniel Rasler

Sample

5

6

8

9

0

Other

2

3

4

City:

CHAIN OF CUSTODY RECORD

(575)390-7208

ont Type

res Type

1

1

1

1

1

1

1

1

QA/QC Level & Certification

1 2 3 4 CLP AFCEE QAPP

NELAC DoD-ELAP Other:

GC

8015M

Lab Only:

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Time

TAT Work Days = D Need results by:

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XLS Other:

GC

Chloride

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EDIDS

ADaPT SEDD ERPIMS

COC & Labels

Affiliation

Incomplete

Unclear

Match

Absent

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

88241

Monthly

N/A

Phone:

Fax:

Zip:

Email: wade.dittrich@oxy.com &

ben@trinityoilfieldservices.com

Quote #:

Annual

Matrix

Code

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PO#:

State: NM

Circle One Event: Daily Weekly

Collect

Time

0958

0949

0947

0943

0930

0925

0852

0856

1009

1100

Affiliation

STATE for Certs & Regs

FL TX GA NC SC NJ PA OK

Quartely Semi-Annual

Collect

Date

4/9/19

4/9/19

4/9/19

4/9/19

4/9/19

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4/9/19

4/9/19

4/9/19

4/9/19

LA AL NM Other:

Page 1 of 2

Std (5-7D) 5Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other

ANALYSES REQUESTED

LAB W.O#: Field billable Hrs Container Type Codes ES Encore Sampler TS TerraCore Sample AC Air Canister TB Tedlar Bag

Vial Clear Vial Pre-preserved Glass Amber ΖB GC Glass Clear PA Plastic Amber PC PC Plastic Clear Time:

Vial Amber

Zip Lock Bag Plastic Clear

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

E. HCL B. HNO₃ F. MeOH J. MCAA K. ZnAc&NaOH C. H₂SO₄ G. Na₂S₂O₃ D. NaOH H. NaĤSO L Asbc Acid&NaOH

^ Matrix Type Codes GW Ground Water S Soil/Sediment/Solid W Wipe WW Waste Water DW Drinking Water A Air SW Surface Water O Oil

Final 1.000

of 39

36

Page 3

OW Ocean/Sea Water T Tissue Product-Liquid U Urine Product-Solid В Blood Sludge

REMARKS

PS

SL

Coolers Temp 'C Lab Use Only YES NO N Non-Conformances found? Samples intact upon arrival?

> Received on Wet Ice? abeled 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?

C.O.C. Serial #

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

Revision Date: Nov 12, 2009

Sac	NCO
rence	ratories

P.O. Box 2587

Ben J. Arguijo

Mesa Verde BS Unit #8

Oxy - Wade Dittrich (575)390-2828

Sample ID

SP-17 @ 6"

SP-19 @ 6"

Reg. Program / Clean-up Std

NPDES LPST DryCln

Relinquished by

DW

Hobbs

Trinity Oilfield Services & Rentals, LLC

Company:

Address:

PM/Attn:

Project ID:

Invoice To:

Sampler Name:

Daniel Rasler

Sample

2

5 6

9 O

CTLs TRRP

Other:

1

3

City:

CHAIN OF CUSTODY RECORD

(575)390-7208

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

88241

Monthly

N/A

Phone:

Fax:

Zip:

Email: wade.dittrich@oxy.com &

ben@trinityoilfieldservices.com

Quote #:

PO#:

Annual

Matri

Code

S

S

State: NM

Circle One Event: Daily Weekly

Collect

Time

1045

1030

Quartely Semi-Annual

Collect

Date

4/9/19

4/9/19

Page 2 of 2

Field billable Hrs :

Std (5-7D) 5Hrs 1D 2D 3D 4D 5D 7D 10D 14D Other

ANALYSES REQUESTED

LAB W.O#:

Time:

Container Type Codes VA Vial Amber VC Vial Clear TS Vial Pre-preserved AÇ Glass Amber TB GC Glass Clear ZΒ Plastic Amber

Encore Sampler TerraCore Sampler Air Canister Tedlar Bag Zip Lock Bag Plastic Clear

Size(s): 2oz, 4oz, 8oz, 16oz, 32oz , 1Gal

PC Plastic Clear

SL Sludge

70iiii, 125	1111, 230 Hill, 300 Hill, TE, (Julier
** Pr	eservative Typ	e Codes
A. None	E. HCL I. Ice	

B. HNO₃ F. MeOH C. H₂SO₄ G. Na₂S₂O₃ K. ZnAc&NaOH D. NaOH H. NaHSO₄ L Asbc Acid&NaOH

^ Matrix Type Codes GW Ground Water S Soil/Sediment/Solid

WW Waste Water Wipe 0 Oil

DW Drinking Water SW Surface Water OW Ocean/Sea Water T Tissue Product-Liquid U Urine Product-Solid

B Blood

REMARKS

37

YES NO N

Page ;

of 39

Final 1.000

Released

8

Affiliation

STATE for Certs & Regs

FL TX GA NC SC NJ PA OK

LA AL NM Other:

OA/QC Level & Certification **EDDs**

XLS Other

ADaPT SEDD ERPIMS

TAT Work Days = D Need results by:

GC

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GC

GC

8015M

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Lab Only:

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res Type

2

Cont

Coolers Temp °C

COC & Labels

Incomplete

Unclear

Match

Absent

Non-Conformances found? Samples intact upon arrivat?

Received on Wet Ice? abeled with proper preservatives

Lab Use Only

Received within holding time? Custody seals intact? VOCs rec'd w/o headspace?

Received on time to meet HTs?

Proper containers used? pH verified-acceptable, excl VOCs

C.O.C. Serial #

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

1 2 3 4 CLP AFCEE QAPP

NELAC DoD-ELAP Other:

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





Work Order #: 620782

XENCO Laboratories Prelogin/Nonconformance Report- Sample Log-In



Client: Trinity Oilfield Services & Rentals, LLC

Date/ Time Received: 04/11/2019 11:15:00 AM

Acceptable Temperature Range: 0 - 6 degC Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used: R8

Sa	ample Receipt Checklist	Comments
#1 *Temperature of cooler(s)?	1.9	
#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 labe	ls/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 tes	t(s)? Yes	
#16 All samples received within hold time?	Yes	
#17 Subcontract of sample(s)?	N/A	
#18 Water VOC samples have zero headspace	e? N/A	

* Must ha	completed for after-hours de	slivery of samples prior to p	lacing in the refrigerator
Analyst:	completed for alter-flours de	PH Device/Lot#:	acing in the remgerator
	Checklist completed by:	Brianna Teel	Date: <u>04/11/2019</u>
	Checklist reviewed by:	Hely Taylor Holly Taylor	Date: 04/12/2019



November 22, 2023

DAN DUNKELBERG
TRINITY OILFIELD SERVICES & RENTALS, LLC
P. O. BOX 2587
HOBBS, NM 88241

RE: MESA VERDE BS UNIT #8

Enclosed are the results of analyses for samples received by the laboratory on 11/20/23 16:33.

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

Cardinal Laboratories is accreditated 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.

Wite Sough

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,

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 11/20/2023 Sampling Date: 11/15/2023

Reported: 11/22/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: DH-001-01.0-HS-S (H236324-01)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.98	98.9	2.00	0.340	
Toluene*	<0.050	0.050	11/21/2023	ND	2.07	103	2.00	0.873	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.08	104	2.00	0.856	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.26	104	6.00	1.04	
Total BTEX	<0.300	0.300	11/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/21/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	198	99.1	200	1.23	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	217	109	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					
Surrogate: 1-Chlorooctane	107 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 11/20/2023 Sampling Date: 11/15/2023

Reported: 11/22/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: OXY - LEA CO NM

Sample ID: DH-002-01.0-HE-S (H236324-02)

RTFY 8021R

B1EX 8021B	mg	/кд	Anaiyze	a By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.98	98.9	2.00	0.340	
Toluene*	<0.050	0.050	11/21/2023	ND	2.07	103	2.00	0.873	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.08	104	2.00	0.856	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.26	104	6.00	1.04	
Total BTEX	<0.300	0.300	11/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	118	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	11/21/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	198	99.1	200	1.23	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	217	109	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 11/20/2023 Sampling Date: 11/15/2023

Reported: Sampling Type: Soil 11/22/2023

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: DH-003-01.0-HN-S (H236324-03)

BTEX 8021B	mg/	kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.98	98.9	2.00	0.340	
Toluene*	<0.050	0.050	11/21/2023	ND	2.07	103	2.00	0.873	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.08	104	2.00	0.856	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.26	104	6.00	1.04	
Total BTEX	<0.300	0.300	11/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119 9	6 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	11/21/2023	ND	432	108	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	198	99.1	200	1.23	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	217	109	200	2.52	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					
Surrogate: 1-Chlorooctane	108 9	48.2-13	4						
Surrogate: 1-Chlorooctadecane	123 9	% 49.1-14	8						

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with Sigh



11/15/2023

Soil

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Received: 11/20/2023 Sampling Date:
Reported: 11/22/2023 Sampling Type:

Fax To:

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

NONE

Project Location: OXY - LEA CO NM

Sample ID: DH-004-01.0-HW-S (H236324-04)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/21/2023	ND	1.98	98.9	2.00	0.340	
Toluene*	<0.050	0.050	11/21/2023	ND	2.07	103	2.00	0.873	
Ethylbenzene*	<0.050	0.050	11/21/2023	ND	2.08	104	2.00	0.856	
Total Xylenes*	<0.150	0.150	11/21/2023	ND	6.26	104	6.00	1.04	
Total BTEX	<0.300	0.300	11/21/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	119	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	576	16.0	11/21/2023	ND	432	108	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/21/2023	ND	216	108	200	1.91	
DRO >C10-C28*	<10.0	10.0	11/21/2023	ND	222	111	200	3.68	
EXT DRO >C28-C36	<10.0	10.0	11/21/2023	ND					
Surrogate: 1-Chlorooctane	90.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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

Page 6 of 7

	Sampler - UPS - Bus - Other:	Delivered By: (Circle One)		Relinquished By:	of the same	Relinquished By:	affiliates or successors are	service. In no event shall (PLEASE NOTE: Liability							4	Cu	2	-	במט ו.ט.	H236324	TO A PROPERTY OF THE PROPERTY	Sampler Name:	Project Location:	Project Name:	Project #:	Phone #:		Address:	Project Manager: Dan Dunkelberg	Company Name:	CAR
	us - Other:	cle One)		7:		\ \ \ \.	affiliates or successors arising out of or related to the performance of services renewated by Cardinal Result:	analyses, at claims mutually along on registration of consequental damages, including without limitation, business intemptions, loss of use, or loss of profits incurred by cleint, its supposures service. In no event shall Cardinal be liable for incidental or consequental damages, including without limitation, business intemptions, loss of use, or loss of profits incurred by cleint, its supposures service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business intemptions, loss of use, or loss of profits incurred by cleint, its supposures are consequentially an experience of the consequential consequential damages.	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any calimatising windows recommended by Cardinal within 30 days after completion of the applicable				1	1		DH-004-01.0-HW-S		DH-002-01.0-HE-S	DH-001-01.0-HS-S	- Campio	Sample I.D.		JC		Mesa Verde BS Unit #8			Hobbs	8426 N Dal Paso	Dan Dunkelberg	Company Name: Trinity Oilfield Services	CARDINAL 1 Laboratories (
	Corrected Temp. °C	Observed Temp. °C	Time:	Date: Re	Timpe: 35	11.2023	e of services neighbor by Column	equental damages, including withou	ient's exclusive remedy for any cla cause whatsoever shall be deeme					,		G	G	G	G		G)RAB OR (C)OMP.				dan@trinityoilfieldservices.com	Project Owner: (Fax#:	State: NM Zip:				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
5		Sample Condition		Received By:		3	ceived By:	ut limitation, business interruption of the such of th	d waived unless made in writin	and the state of t						×	×	×	>	Y	CONTAINERS GROUNDWATER WASTEWATER SOIL SLUDGE	MATRIX	-	77			Þ	88241		0.70		obbs, NM 88240 575) 393-2476
accent verbal cha	8	ON CHECKED BY: (Initials)		(MANNA		2	ons, loss of use, or loss of p claim is based upon any of the	g and received by Cardinal v	ntract or tort, shall be limited				-		11/1:	11/1	1//1	4414		OTHER: ACID/BASE: ICE / COOL OTHER:	PRESERV.	Fax#:	Phone #:	State: Zip:		Address:		any:	_	BILL 10	
nnes. Please emai		BY: Turnaround Time:		HEMAKNO		All Results	Verbal Result:	rofits incurred by client, its su- ne above stated reasons or o	vithin 30 days after completion	to the amount paid by the cl			+			11/15/2023	11/15/2023	CZ0Z/C1/11	20000	11/15/2023	DATE TIME	SAMPLING						Wade Dittrich	OXY USA Inc.		10	3
I changes to o	Thermometer ID #143 Correction Factor 9.8 C	nd Time:				are emailed. P	ult:	therwise.	n of the applicable	ent for the		+				>	< >	< >	×	×	Chloride						_		_			
eley.keene@	4/40	Standard Rush				All Results are emailed. Please provide Email	Yes					.	+	+	+	+	+	+		×	ТРН ВТЕХ						_		_		-	CHAIN-OF
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	Yes Yes	Intact	in Careta Careta																,													D ANALY:
	Corrected Temp. °C	Observed Temp. °C	Opplition																									_	_			ANALYSIS REQUEST
																				+							,		_			



April 05, 2023

DAN DUNKELBERG
TRINITY OILFIELD SERVICES & RENTALS, LLC
P. O. BOX 2587
HOBBS, NM 88241

RE: MESA VERDE BS UNIT #8

Enclosed are the results of analyses for samples received by the laboratory on 03/31/23 12:15.

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

Cardinal Laboratories is accreditated 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)

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil
Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Coo

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-001-00.5-NA-S (H231494-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.09	105	2.00	8.43	
Toluene*	<0.050	0.050	04/03/2023	ND	2.21	110	2.00	7.04	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.21	111	2.00	8.31	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	7.43	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1090	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	195	97.3	200	5.16	
DRO >C10-C28*	61.5	10.0	04/03/2023	ND	214	107	200	7.46	
EXT DRO >C28-C36	12.7	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	101 :	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	106	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celeg D. Keene



Analytical Results For:

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

 Received:
 03/31/2023
 Sampling Date:
 03/30/2023

 Reported:
 04/05/2023
 Sampling Type:
 Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-002-00.5-NA-S (H231494-02)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.09	105	2.00	8.43	
Toluene*	<0.050	0.050	04/03/2023	ND	2.21	110	2.00	7.04	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.21	111	2.00	8.31	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	7.43	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	195	97.3	200	5.16	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	214	107	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Celey D. Kune



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact

Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-003-00.5-NA-S (H231494-03)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.09	105	2.00	8.43	
Toluene*	<0.050	0.050	04/03/2023	ND	2.21	110	2.00	7.04	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.21	111	2.00	8.31	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	7.43	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	195	97.3	200	5.16	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	214	107	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	98.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil Project Name: MESA VERDE BS UNIT #8 Sampling Condition:

Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-004-00.5-NA-S (H231494-04)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.09	105	2.00	8.43	
Toluene*	<0.050	0.050	04/03/2023	ND	2.21	110	2.00	7.04	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.21	111	2.00	8.31	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	7.43	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	195	97.3	200	5.16	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	214	107	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	104 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-005-00.3-NA-S (H231494-05)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.09	105	2.00	8.43	
Toluene*	<0.050	0.050	04/03/2023	ND	2.21	110	2.00	7.04	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.21	111	2.00	8.31	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	7.43	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	107	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	195	97.3	200	5.16	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	214	107	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-006-00.3-NA-S (H231494-06)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.09	105	2.00	8.43	
Toluene*	<0.050	0.050	04/03/2023	ND	2.21	110	2.00	7.04	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.21	111	2.00	8.31	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	7.43	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	195	97.3	200	5.16	
DRO >C10-C28*	55.1	10.0	04/03/2023	ND	214	107	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	107	% 49.1-14	8						

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Tamara Oldaker

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 03/31/2023 Sampling Date: 03/30/2023 Soil

Reported: 04/05/2023 Sampling Type: Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact Sample Received By:

Project Location: OXY - LEA CO NM

NONE GIVEN

Sample ID: CF-007-00.3-NA-S (H231494-07)

Project Number:

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.09	105	2.00	8.43	
Toluene*	<0.050	0.050	04/03/2023	ND	2.21	110	2.00	7.04	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.21	111	2.00	8.31	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	7.43	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	195	97.3	200	5.16	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	214	107	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	98.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	101	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-008-00.3-NA-S (H231494-08)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.09	105	2.00	8.43	
Toluene*	<0.050	0.050	04/03/2023	ND	2.21	110	2.00	7.04	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.21	111	2.00	8.31	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	7.43	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	195	97.3	200	5.16	
DRO >C10-C28*	16.3	10.0	04/03/2023	ND	214	107	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	101 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102 9	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil Project Name: MESA VERDE BS UNIT #8

Sampling Condition: Cool & Intact Project Number: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-013-00.3-NA-S (H231494-09)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.09	105	2.00	8.43	
Toluene*	<0.050	0.050	04/03/2023	ND	2.21	110	2.00	7.04	
Ethylbenzene*	< 0.050	0.050	04/03/2023	ND	2.21	111	2.00	8.31	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	7.43	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	195	97.3	200	5.16	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	214	107	200	7.46	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	88.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.3	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-014-00.3-NA-S (H231494-10)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.09	105	2.00	8.43	
Toluene*	<0.050	0.050	04/03/2023	ND	2.21	110	2.00	7.04	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.21	111	2.00	8.31	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	7.43	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	192	96.0	200	5.55	QM-07
DRO >C10-C28*	48.2	10.0	04/03/2023	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	67.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	73.8	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: 1H /

Project Location: OXY - LEA CO NM

Sample ID: CF-015-00.3-NA-S (H231494-11)

RTFY 8021R

B1EX 8021B	mg,	rkg	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.09	105	2.00	8.43	
Toluene*	<0.050	0.050	04/03/2023	ND	2.21	110	2.00	7.04	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.21	111	2.00	8.31	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	7.43	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.5	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	192	96.0	200	5.55	
DRO >C10-C28*	32.3	10.0	04/03/2023	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	90.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	89.6	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil Project Name: MESA VERDE BS UNIT #8 Sampling Condition:

Cool & Intact Project Number: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-016-00.3-NA-S (H231494-12)

BTEX 8021B	mg/	kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.09	105	2.00	8.43	
Toluene*	<0.050	0.050	04/03/2023	ND	2.21	110	2.00	7.04	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.21	111	2.00	8.31	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	7.43	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	71.5-13	4						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	192	96.0	200	5.55	
DRO >C10-C28*	21.1	10.0	04/03/2023	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	97.0	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-017-00.3-NA-S (H231494-13)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.09	105	2.00	8.43	
Toluene*	<0.050	0.050	04/03/2023	ND	2.21	110	2.00	7.04	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.21	111	2.00	8.31	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	7.43	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	192	96.0	200	5.55	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	103	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	102	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: OXY - LEA CO NM

mg/kg

Sample ID: CF-018-00.3-NA-S (H231494-14)

BTEX 8021B

DILX GOZID	iiig/	, kg	Allulyzo	a by. 5117					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.09	105	2.00	8.43	
Toluene*	<0.050	0.050	04/03/2023	ND	2.21	110	2.00	7.04	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.21	111	2.00	8.31	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	7.43	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	192	96.0	200	5.55	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	86.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.4	% 49.1-14	8						

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Tamara Oldaker

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil
Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By:
Project Location: OXY - LEA CO NM

Sample ID: CF-024-00.3-NA-S (H231494-15)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.09	105	2.00	8.43	
Toluene*	<0.050	0.050	04/03/2023	ND	2.21	110	2.00	7.04	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.21	111	2.00	8.31	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	7.43	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	192	96.0	200	5.55	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	83.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.2	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-025-00.3-NA-S (H231494-16)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.09	105	2.00	8.43	
Toluene*	<0.050	0.050	04/03/2023	ND	2.21	110	2.00	7.04	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.21	111	2.00	8.31	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	7.43	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	192	96.0	200	5.55	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	95.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.5	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-026-00.3-NA-S (H231494-17)

BTEX 8021B	mg	/kg	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	2.09	105	2.00	8.43	
Toluene*	<0.050	0.050	04/03/2023	ND	2.21	110	2.00	7.04	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	2.21	111	2.00	8.31	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	6.90	115	6.00	7.43	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	192	96.0	200	5.55	
DRO >C10-C28*	194	10.0	04/03/2023	ND	216	108	200	5.63	
EXT DRO >C28-C36	65.3	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	90.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	93.6	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: JH/

Project Location: OXY - LEA CO NM

mg/kg

Sample ID: CF-027-00.3-NA-S (H231494-18)

BTEX 8021B

	9/	9	7	7: 5::.,					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.80	89.9	2.00	1.77	
Toluene*	<0.050	0.050	04/03/2023	ND	1.90	95.1	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	1.96	98.1	2.00	0.600	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	5.96	99.3	6.00	0.684	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	192	96.0	200	5.55	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	86.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.9	% 49.1-14	8						

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Analytical Results For:

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

Received: 03/31/2023 Reported: 04/05/2023

MESA VERDE BS UNIT #8

Project Name: Project Number: NONE GIVEN

Project Location: OXY - LEA CO NM Sampling Date: 03/30/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CF-028-00.3-NA-S (H231494-19)

BTEX 8021B	mg,	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.80	89.9	2.00	1.77	
Toluene*	<0.050	0.050	04/03/2023	ND	1.90	95.1	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	1.96	98.1	2.00	0.600	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	5.96	99.3	6.00	0.684	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	112	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	192	96.0	200	5.55	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	93.7	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	92.0	% 49.1-14	8						

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Celeg D. Keine



Analytical Results For:

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

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-030-00.3-NA-S (H231494-20)

BTEX 8021B	mg/	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.80	89.9	2.00	1.77	
Toluene*	<0.050	0.050	04/03/2023	ND	1.90	95.1	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	1.96	98.1	2.00	0.600	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	5.96	99.3	6.00	0.684	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 9	% 71.5-13	4						
Chloride, SM4500Cl-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	192	96.0	200	5.55	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	86.8	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.6	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

 Received:
 03/31/2023
 Sampling Date:
 03/30/2023

 Reported:
 04/05/2023
 Sampling Type:
 Soil

Fax To:

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

NONE

Project Location: OXY - LEA CO NM

Sample ID: CF-031-00.3-NA-S (H231494-21)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.80	89.9	2.00	1.77	
Toluene*	<0.050	0.050	04/03/2023	ND	1.90	95.1	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	1.96	98.1	2.00	0.600	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	5.96	99.3	6.00	0.684	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	04/03/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	192	96.0	200	5.55	
DRO >C10-C28*	48.1	10.0	04/03/2023	ND	216	108	200	5.63	
EXT DRO >C28-C36	11.9	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	89.5	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	91.3	% 49.1-14	8						

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Celey D. Kune



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

 Received:
 03/31/2023
 Sampling Date:
 03/30/2023

 Reported:
 04/05/2023
 Sampling Type:
 Soil

Fax To:

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

NONE

Project Location: OXY - LEA CO NM

Sample ID: CF-032-00.3-NA-S (H231494-22)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.80	89.9	2.00	1.77	
Toluene*	<0.050	0.050	04/03/2023	ND	1.90	95.1	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	1.96	98.1	2.00	0.600	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	5.96	99.3	6.00	0.684	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/03/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	192	96.0	200	5.55	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	84.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	82.8	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-033-00.3-NA-S (H231494-23)

BTEX 8021B	mg	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.80	89.9	2.00	1.77	
Toluene*	<0.050	0.050	04/03/2023	ND	1.90	95.1	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	1.96	98.1	2.00	0.600	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	5.96	99.3	6.00	0.684	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	04/03/2023	ND	400	100	400	3.92	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	192	96.0	200	5.55	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	92.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	90.4	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 03/31/2023 Sampling Date: 03/30/2023

Reported: 04/05/2023 Sampling Type: Soil Project Name: MESA VERDE BS UNIT #8 Sampling Condition:

Cool & Intact Project Number: Sample Received By: NONE GIVEN Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-034-00.3-NA-S (H231494-24)

BTEX 8021B	mg	'kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/03/2023	ND	1.80	89.9	2.00	1.77	
Toluene*	<0.050	0.050	04/03/2023	ND	1.90	95.1	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/03/2023	ND	1.96	98.1	2.00	0.600	
Total Xylenes*	<0.150	0.150	04/03/2023	ND	5.96	99.3	6.00	0.684	
Total BTEX	<0.300	0.300	04/03/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 71.5-13	4						
Chloride, SM4500CI-B	mg	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/03/2023	ND	400	100	400	3.92	
TPH 8015M	mg	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/03/2023	ND	192	96.0	200	5.55	
DRO >C10-C28*	<10.0	10.0	04/03/2023	ND	216	108	200	5.63	
EXT DRO >C28-C36	<10.0	10.0	04/03/2023	ND					
Surrogate: 1-Chlorooctane	87.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	86.8	% 49.1-14	8						

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Notes and Definitions

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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No Corrected Temp. °C	No			.,	Factor -0.6 °C	Correction Factor -0.6 °C	1	_	No	No	1.4	6	_		
Yes	Yes	[Thermometer ID #113	Thermome	6.	P.	Yes Yes	Yes	1	Corrected Temp. °C/)	Correct	s - Other:	Sampler - UPS - Bus - Other:
Intact Observed Temp. °C	Cool Int	_	Rush		nd lime:	lurnaround lime:	(Initials)	OHE CHE	ondition	Sample Condition Cool Intact	2	Observed Temp. °C	Observ	e One)	Delivered By: (Circle One)
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				Die	on of the applica	ys after complete	ardinal within 30 da	d received by C	e in writing an	d unless mad	med waive	soever shall be de-	d any other cause what	g those for negligence an	analyses. All claims including those for negligence and any other cause whatsoever shall be deemed valved unless made in writing and received by Cardinal Within 30 days after completion of the approaches a contract of the special contract of the
				-	lient for the	ount paid by the client for the	based in contract or tort, shall be limited to the amount	tor tort, shall be	sed in contrac	g whether ba	claim arisin	sive remedy for any	ages. Cardinal's liability and client's exclusive remedy for any claim arising whether	d Damages. Cardinal's lis	PLEASE NOTE: Liability and Dam
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			×	×	×		3/30/2023			×	C 1		IA-S	CF-008-00.3-NA-S	≪.
			×	×	×		3/30/2023			×	C 1		IA-S	CF-007-00.3-NA-S)
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			×	×	×		3/30/2023			×	C 1		IA-S	CF-005-00.3-NA-S	5
			×	×	×		3/30/2023			×	C 1		IA-S	CF-004-00.5-NA-S	N
			×	×	×		3/30/2023			×	C 1		IA-S	CF-003-00.5-NA-S	K
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						SAMPLING	SAM	PRESERV.		MATRIX	_				FOR LAB USE ONLY
								Fax #:	Fax					GM	Sampler Name:
								Phone #:	Ph						Project Location:
					7		Zip:	te:	m State:	vices.co	fieldser	dan@trinityoilfieldservices.com		Mesa Verde BS Unit #8	Project Name:
					_			y:	City:	(see below)		Project Owner:	Pro		Project #:
			,					Address:	Adu		,	Fax#:	Fa		Phone #:
							Wade Dittrich	n:	Attn:	88241	Zip: 8	State: NM 2	Sta	Hobbs	City:
							OXY USA Inc.	Company:	Col				so	8426 N Dal Paso	Address:
								#:	P.O. #:				g	Dan Dunkelber	Project Manager: Dan Dunkelberg
QUEST	ANALYSIS REQUEST						BILL TO					,	services	Trinity Oilfield Services	Company Name:
									76	393-24	X (575	(575) 393-2326 FAX (575) 393-2476		Laboratories	Labo

	Sampler - UPS - Bus - Other:	Delivered By: (Circle One)		Relinquished By:	V	Relinquished By:	service. In no event shall affiliates or successors at	PLEASE NOTE: Liability	20	21			16	15	74	13	12	11	Lab I.D.	HOTICEH	FOR LAB USE ONLY	Sampler Name:	Project Location:	Project Name:	Project #:	Phone #:	City:	Address:	Project Manager	Company Name:	NCA Lab
				y:	All I	y:	service. In no event shall Cardinal be liable for incidental of consequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whather such claim is based upon any of the above stated reasons or otherwise.	PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analysis and the same of the special contract of the special contrac	CF-030-00.3-NA-S	CF-028-00.3-NA-S	CF-027-00.3-NA-S	7 CF-026-00.3-NA-S	CF-025-00.3-NA-S	CF-024-00.3-NA-S	CF-018-00.3-NA-S	CF-017-00.3-NA-S	CF-016-00.3-NA-S	CF-015-00.3-NA-S	Sample I.D.			GM		Mesa Verde BS Unit #8			Hobbs	8426 N Dal Paso	Project Manager: Dan Dunkelberg	Trinity Oilfield Services	CARDINAL Laboratories
	Corrected Temp. °CD. (Observed Temp. °C	Time:	Date:	711	Date: 2/ 77	nsequental damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiarie ance of services hereunder by Cardinal, regaindess of whether such claim is based upon any of the above stated reasons or otherwise	nt's exclusive remedy for an ause whatsoever shall be de											I.D.	9 				dan@trinityoilfieldservices.com	Project Owner:	Fax #:	State: NM				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
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es Vo Corrected Temp. °C	Yes Yes No	allabsnm.co	ne@cardin	celey.kee	ctor-0.6 °C changes to	Thermometer ID #113 Correction Factor -0.5 °C Cardinal cannot accept verbal changes. Please email changes to celey keene@cardinallabsnm.com	changes. Pl	ept verbal	No No Cannot acc	ardinal	+ 0°°	Corrected Temp. °C /		Sampler - UPS - Bus - Other:	U
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						SAMPLING		PRESERV.	MATRIX		_			FOR LABUSE ONLY	
			10.					Fax #:					GM	Sampler Name:	
								Phone #:						Project Location:	_
							Zip:	State:		dservice	dan@trinityoilfieldservices.com	dan@tr	Mesa Verde BS Unit #8	Project Name:	_
								City:		(see below)		Project Owner:		Project #:	_
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April 06, 2023

DAN DUNKELBERG
TRINITY OILFIELD SERVICES & RENTALS, LLC
P. O. BOX 2587
HOBBS, NM 88241

RE: MESA VERDE BS UNIT #8

Enclosed are the results of analyses for samples received by the laboratory on 04/03/23 16:10.

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

Cardinal Laboratories is accreditated 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)

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

A I J D. ... 711

Project Location: OXY - LEA CO NM

Sample ID: CF-053-00.3-NA-S (H231523-01)

BTEX 8021B	mg,	<u>L</u>	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.3	2.00	3.90	
Toluene*	<0.050	0.050	04/04/2023	ND	1.99	99.4	2.00	6.52	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.11	105	2.00	10.4	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.40	107	6.00	11.8	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.8	% 77.5-12	5						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	04/04/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	198	98.8	200	4.78	
DRO >C10-C28*	1940	10.0	04/04/2023	ND	197	98.3	200	3.18	
EXT DRO >C28-C36	502	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	129	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	199	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-054-00.3-NA-S (H231523-02)

BTEX 8021B	mg,	/L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.3	2.00	3.90	
Toluene*	<0.050	0.050	04/04/2023	ND	1.99	99.4	2.00	6.52	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.11	105	2.00	10.4	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.40	107	6.00	11.8	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	95.3	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	04/04/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2023	ND	198	98.8	200	4.78	
DRO >C10-C28*	103	10.0	04/05/2023	ND	197	98.3	200	3.18	
EXT DRO >C28-C36	<10.0	10.0	04/05/2023	ND					
Surrogate: 1-Chlorooctane	139	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	151	% 49.1-14	8						

Surrogate: 1-Chlorooctadecane 151 % 49.1-148

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Celey D. Keene



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-055-00.3-NA-S (H231523-03)

BTEX 8021B	mg/	L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.3	2.00	3.90	
Toluene*	<0.050	0.050	04/04/2023	ND	1.99	99.4	2.00	6.52	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.11	105	2.00	10.4	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.40	107	6.00	11.8	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	91.8	% 77.5-12	5						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1760	16.0	04/04/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	198	98.8	200	4.78	
DRO >C10-C28*	1220	10.0	04/04/2023	ND	197	98.3	200	3.18	
EXT DRO >C28-C36	43.3	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	138 9	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	195 9	6 49.1-14	8						

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Celey D. Keene



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil Project Name: MESA VERDE BS UNIT #8 Sampling Condition:

Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Analyzed By: 14

Project Location: OXY - LEA CO NM

Sample ID: CF-056-00.3-NA-S (H231523-04)

RTFY 8021R

BIEX 8021B	mg	/L	Anaiyze	а ву: ЈН					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.3	2.00	3.90	
Toluene*	<0.050	0.050	04/04/2023	ND	1.99	99.4	2.00	6.52	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.11	105	2.00	10.4	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.40	107	6.00	11.8	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	90.8	% 77.5-12	5						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	04/04/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	198	98.8	200	4.78	
DRO >C10-C28*	2390	10.0	04/04/2023	ND	197	98.3	200	3.18	
EXT DRO >C28-C36	116	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	144	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	278	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-009-00.3-NA-S (H231523-05)

BTEX 8021B	mg	/L	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.3	2.00	3.90	
Toluene*	<0.050	0.050	04/04/2023	ND	1.99	99.4	2.00	6.52	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.11	105	2.00	10.4	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.40	107	6.00	11.8	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	87.9	% 77.5-12	5						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	864	16.0	04/04/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	198	98.8	200	4.78	
DRO >C10-C28*	254	10.0	04/04/2023	ND	197	98.3	200	3.18	
EXT DRO >C28-C36	116	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	129	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	128	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-010-00.3-NA-S (H231523-06)

BTEX 8021B	mg/	L	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	1.95	97.3	2.00	3.90	
Toluene*	<0.050	0.050	04/04/2023	ND	1.99	99.4	2.00	6.52	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.11	105	2.00	10.4	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.40	107	6.00	11.8	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	97.0	% 77.5-12	5						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	04/04/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	244	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36	144	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	120 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	142 9	6 49.1-14	8						

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Celey D. Keene

Cardinal Laboratories



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-011-00.3-NA-S (H231523-07)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	2.92	
Toluene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	272	16.0	04/04/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	44.1	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36	22.1	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	129	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	146	% 49.1-14	8						

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager

*=Accredited Analyte



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-012-00.3-NA-S (H231523-08)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	2.92	
Toluene*	< 0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene*	< 0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (Pa	TD 105	% 77.5-12	25						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	04/04/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	28.7	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	100	% 48.2-13	34						
Surrogate: 1-Chlorooctadecane	115	% 49.1-14	18						
<u> </u>									

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-019-00.3-NA-S (H231523-09)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	2.92	
Toluene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 77.5-12	5						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1010	16.0	04/04/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	29.4	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36	12.3	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	102	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	116	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-020-00.3-NA-S (H231523-10)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	2.92	
Toluene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 77.5-12	5						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	6960	16.0	04/04/2023	ND	416	104	400	0.00	
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	75.1	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	98.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	120	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: OXY - LEA CO NM

Sample ID: CF-021-00.3-NA-S (H231523-11)

RTFY 8021R

B1EX 8021B	mg	/L	Anaiyze	a By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	2.92	
Toluene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 77.5-12	5						
Chloride, SM4500Cl-B	mg,	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4960	16.0	04/04/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	123	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36	17.7	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	136	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	161	% 49.1-14	8						

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Celey D. Keene



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-022-00.3-NA-S (H231523-12)

BTEX 8021B	mg/	'L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	2.92	
Toluene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 77.5-12	5						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1200	16.0	04/04/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	25.3	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	117 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	133 9	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: OXY - LEA CO NM

Sample ID: CF-023-00.3-NA-S (H231523-13)

RTFY 8021R

Result <0.050 <0.050	Reporting Limit 0.050	Analyzed 04/04/2023	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	0.050	04/04/2022			,	True value qu	IN D	Qualifier
< 0.050		04/04/2023	ND	2.04	102	2.00	2.92	
	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
<0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
<0.300	0.300	04/04/2023	ND					
105	% 77.5-12	5						
mg,	/kg	Analyze	d By: AC					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
208	16.0	04/04/2023	ND	416	104	400	0.00	
mg,	/kg	Analyze	d By: MS					
Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
<10.0	10.0	04/04/2023	ND	206	103	200	3.49	
<10.0	10.0	04/04/2023	ND					
115	% 48.2-13	4						
129	% 49.1-14	8						
	<0.300 105 9 Result 208 mg/ Result <10.0 <10.0 <10.0	<0.300 105 % 77.5-12 mg/ky Result Reporting Limit 208 16.0 mg/ky Result Reporting Limit <10.0 <10.0 <10.0 <10.0 <10.0 10.0 <48.2-13	<0.300 0.300 04/04/2023 105 % 77.5-125 Result Reporting Limit Analyzed 208 16.0 04/04/2023 Result Reporting Limit Analyzed <10.0	IOS % 77.5-125 mg/ky Analyzed By: AC Result Reporting Limit Pmg/ky Analyzed Method Blank 208 16.0 04/04/2023 ND Analyzed Result Reporting Limit Analyzed Method Blank Method Blank <10.0	<0.300 0.300 04/04/2023 ND 105 % 77.5-125 mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS Analyzed Method Blank BS <10.0	<0.300 04/04/2023 ND 105 % 77.5-125 mg/ky Analyzed By: AC Result Reporting Limit Analyzed By: MS % Recovery Result Reporting Limit Analyzed Method Blank BS % Recovery <10.0	< 0.300 04/04/2023 ND 105 % 77.5-125 mg/ky Analyzed By: AC Result Reporting Limit Analyzed By: MS % Recovery True Value QC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC <10.0	< 0.300 04/04/2023 ND 105 % 77.5-125 mg/kg Analyzed By: AC Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD 208 16.0 04/04/2023 ND 416 104 400 0.00 mg/kg Analyzed By: MS Result Reporting Limit Analyzed Method Blank BS % Recovery True Value QC RPD <10.0

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Celey D. Keene



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

 Received:
 04/03/2023
 Sampling Date:
 03/31/2023

 Reported:
 04/06/2023
 Sampling Type:
 Soil

Fax To:

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

NONE

Project Location: OXY - LEA CO NM

Sample ID: CF-029-00.3-NA-S (H231523-14)

BTEX 8021B	mg	/L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	2.92	
Toluene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/04/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	26.1	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	125	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	139	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-035-00.3-NA-S (H231523-15)

BTEX 8021B	mg,	/L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	2.92	
Toluene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/04/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	<10.0	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	114 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	127	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

 Received:
 04/03/2023
 Sampling Date:
 03/31/2023

 Reported:
 04/06/2023
 Sampling Type:
 Soil

Fax To:

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

NONE

Project Location: OXY - LEA CO NM

Sample ID: CF-036-00.3-NA-S (H231523-16)

BTEX 8021B	mg	/L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	2.92	
Toluene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	04/04/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	17.5	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36	<10.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	127	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	142	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-037-00.3-NA-S (H231523-17)

BTEX 8021B	mg/	'L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	2.92	
Toluene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 77.5-12	5						
Chloride, SM4500CI-B	mg/	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	04/04/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	124	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36	57.8	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	132 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	154 9	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil
Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Coo

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-038-00.3-NA-S (H231523-18)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	2.92	
Toluene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene*	< 0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	4240	16.0	04/04/2023	ND	416	104	400	3.77	QM-07
TPH 8015M	mg	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	62.6	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36	19.8	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	117	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	136	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-039-00.3-NA-S (H231523-19)

Benzene* <(Result 0.050 0.050	Reporting Limit 0.050	Analyzed	Method Blank	BS	% Recovery	True Value QC	DDD	0 1:0
		0.050				70 Necovery	True value QC	RPD	Qualifier
	0.050		04/04/2023	ND	2.04	102	2.00	2.92	
Toluene* <0	0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene* <0	0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes* <0	0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX <0	0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	6 77.5-12.	5						
Chloride, SM4500CI-B	mg/l	kg	Analyze	d By: AC					
Analyte R	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride 5	440	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg/l	kg	Analyze	d By: MS					
Analyte R	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10* <	10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	34.4	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36 1	13.0	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	126 %	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	144 %	6 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-040-00.3-NA-S (H231523-20)

BTEX 8021B	mg/	L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	2.92	
Toluene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	106 %	6 77.5-12	5						
Chloride, SM4500CI-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2200	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	282	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36	39.9	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	121 9	6 48.2-13	4						
Surrogate: 1-Chlorooctadecane	154 9	6 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-041-00.3-NA-S (H231523-21)

BTEX 8021B	mg/	L	Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	2.92	
Toluene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene*	< 0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105 %	77.5-12	5						
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	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	655	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36	176	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	127 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	181 9	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil
Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact

Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-042-00.3-NA-S (H231523-22)

BTEX 8021B	mg,	/L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	2.92	
Toluene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102 9	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2240	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	282	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36	49.4	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	120	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	152	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-043-00.3-NA-S (H231523-23)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	2.92	
Toluene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1060	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	246	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36	93.7	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	142	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-044-00.3-NA-S (H231523-24)

BTEX 8021B	mg/	L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	2.92	
Toluene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103 9	% 77.5-12	5						
Chloride, SM4500CI-B	mg/	kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	1380	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36	498	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	116 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	186 9	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: OXY - LEA CO NM

Sample ID: CF-045-00.3-NA-S (H231523-25)

RTFY 8021R

B1EX 8021B	mg	/L	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	2.92	
Toluene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 77.5-12	5						
Chloride, SM4500Cl-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	174	86.8	200	6.37	
DRO >C10-C28*	1470	10.0	04/04/2023	ND	206	103	200	3.49	
EXT DRO >C28-C36	453	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	121	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	196	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-046-00.3-NA-S (H231523-26)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.04	102	2.00	2.92	
Toluene*	<0.050	0.050	04/04/2023	ND	2.10	105	2.00	4.38	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	4.08	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.41	107	6.00	4.05	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	320	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	201	101	200	1.10	
DRO >C10-C28*	488	10.0	04/04/2023	ND	187	93.4	200	4.17	QM-07
EXT DRO >C28-C36	179	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	143	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Applyzod By: 1H /

Project Location: OXY - LEA CO NM

Sample ID: CF-047-00.3-NA-S (H231523-27)

RTFY 8021R

BIEX 8021B	mg	/L	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	5.81	
Toluene*	<0.050	0.050	04/04/2023	ND	2.11	106	2.00	4.16	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.09	105	2.00	4.73	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.30	105	6.00	5.30	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 77.5-12	5						
Chloride, SM4500Cl-B	mg	/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	201	101	200	1.10	
DRO >C10-C28*	1530	10.0	04/04/2023	ND	187	93.4	200	4.17	
EXT DRO >C28-C36	544	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	107	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	170	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Applyzod By: 1H /

Project Location: OXY - LEA CO NM

Sample ID: CF-048-00.3-NA-S (H231523-28)

RTFY 8021R

BIEX 8021B	mg	/L	Anaiyze	ea By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	5.81	
Toluene*	<0.050	0.050	04/04/2023	ND	2.11	106	2.00	4.16	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.09	105	2.00	4.73	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.30	105	6.00	5.30	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 77.5-12	5						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	201	101	200	1.10	
DRO >C10-C28*	1240	10.0	04/04/2023	ND	187	93.4	200	4.17	
EXT DRO >C28-C36	336	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	171	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

HOBBS NM, 88241 Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-049-00.3-NA-S (H231523-29)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	5.81	
Toluene*	<0.050	0.050	04/04/2023	ND	2.11	106	2.00	4.16	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.09	105	2.00	4.73	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.30	105	6.00	5.30	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	102	% 77.5-12	5						
Chloride, SM4500CI-B	mg,	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	ed By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	201	101	200	1.10	
DRO >C10-C28*	954	10.0	04/04/2023	ND	187	93.4	200	4.17	
EXT DRO >C28-C36	415	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	108	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	156	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-050-00.3-NA-S (H231523-30)

BTEX 8021B	mg/	L	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	5.81	
Toluene*	< 0.050	0.050	04/04/2023	ND	2.11	106	2.00	4.16	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.09	105	2.00	4.73	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.30	105	6.00	5.30	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	99.4	% 77.5-12	5						
Chloride, SM4500Cl-B	mg/	kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg/	kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	201	101	200	1.10	
DRO >C10-C28*	771	10.0	04/04/2023	ND	187	93.4	200	4.17	
EXT DRO >C28-C36	280	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	105 9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	151 9	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

 Received:
 04/03/2023
 Sampling Date:
 03/31/2023

 Reported:
 04/06/2023
 Sampling Type:
 Soil

Fax To:

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

NONE

Project Location: OXY - LEA CO NM

Sample ID: CF-051-00.3-NA-S (H231523-31)

BTEX 8021B	mg	/L	Analyze	ed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	5.81	
Toluene*	<0.050	0.050	04/04/2023	ND	2.11	106	2.00	4.16	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.09	105	2.00	4.73	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.30	105	6.00	5.30	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 77.5-12	25						
Chloride, SM4500CI-B	mg	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	384	16.0	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	201	101	200	1.10	
DRO >C10-C28*	1050	10.0	04/04/2023	ND	187	93.4	200	4.17	
EXT DRO >C28-C36	370	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	115	% 48.2-13	34						
Surrogate: 1-Chlorooctadecane	171	% 49.1-14	18						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/03/2023 Sampling Date: 03/31/2023

Reported: 04/06/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact Sample Received By: Project Number: NONE GIVEN Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-052-00.3-NA-S (H231523-32)

BTEX 8021B	mg/L		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/04/2023	ND	2.06	103	2.00	5.81	
Toluene*	<0.050	0.050	04/04/2023	ND	2.11	106	2.00	4.16	
Ethylbenzene*	<0.050	0.050	04/04/2023	ND	2.09	105	2.00	4.73	
Total Xylenes*	<0.150	0.150	04/04/2023	ND	6.30	105	6.00	5.30	
Total BTEX	<0.300	0.300	04/04/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	101	% 77.5-12	5						
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	04/04/2023	ND	416	104	400	3.77	
TPH 8015M	mg,	/kg	Analyze	d By: MS					S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/04/2023	ND	201	101	200	1.10	
DRO >C10-C28*	1530	10.0	04/04/2023	ND	187	93.4	200	4.17	
EXT DRO >C28-C36	440	10.0	04/04/2023	ND					
Surrogate: 1-Chlorooctane	104	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	179	% 49.1-14	8						

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Notes and Definitions

S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.

QR-04 The RPD for the BS/BSD was outside of historical limits.

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS

recovery.

ND Analyte NOT DETECTED at or above the reporting limit

RPD Relative Percent Difference

** Samples not received at proper temperature of 6°C or below.

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples reported on an as received basis (wet) unless otherwise noted on report

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							mustaker	?	affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.	analyses. All dates and commons, commons second set common second s	CF-040-00.3-NA-S	CF-039-00.3-NA-S	CF-038-00.3-NA-S	CF-037-00.3-NA-S	CF-036-00.3-NA-S	CF-035-00.3-NA-S	CF-029-00.3-NA-S	CF-023-00.3-NA-S	CF-022-00.3-NA-S	CF-021-00.3-NA-S	Sample I.D.		A		Mesa Verde BS Unit #8			Hobbs	8426 N Dal Paso	an Dunkelberg	nity Oilfield Services	Laboratories (5
† Ca	Conservation of 4	1000	Observed Temp. °C / S	Time:	Date: Recei	010	Time:///	Date: 23 Received By:	ervices hereunder by Cardinal, reg	yes, venuene e soumy end centre excesser terredy to any caminarism entredit (for regigence and any other cause whatever shall be deemed the waive unless multiple linke for invidental or consentrated demanages in additional time waive to be the linke for invidental or consentrated demanages in additional time waive to the terred	C 1	C 1	C 1	C 1	C 1	C 1	C 1	C 1	C 1	C 1	(G)RAB OR (C)OMP. # CONTAINERS				dan@trinityoilfieldservices.com	Project Owner: (s	Fax #:	State: NM Zip:				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
rdinal cannot accept	No No	Cool Infact	Sample Condition		Received By:	Verrong be	J CHELINGS	ved By:	ardless of whether such claim is	sing whether based in contract of ved unless made in writing and n	1	×	×	×	×	×	×	×	×	×	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:	MATRIX	Fax #:	Pho	services.com State:	(see below) City:	Ado	88241 Attn:	Cor	P.O. #:		bbs, NM 88240 575) 393-2476
† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com	~	(Initials)	CHECKED BY:		\	themon		1000	rearrages, including without limitation, custriess interrupcins, bass of use, or bass of profits included by client, its substation vices hereunder by Cardinal, regardees of whether such claim is based upon any of the above stated reasons or otherwise	eon in contract of noti, shall be limited to the amount past by the clerit of the in writing and received by Cardinal within 30 days after completion of the again.	3/31/2023	3/31/2023	3/31/2023	3/31/2023	3/31/2023	3/31/2023	3/31/2023	3/31/2023	3/31/2023	3/31/2023	ACID/BASE: ICE / COOL OTHER:	PRESERV. SAN	#:	Phone #:	te: Zip:		Address:		Company: OXY USA Inc.	#:	BILL TO	
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BTEX	TPH	Chloride	DATE	OTHER: ACID/BASE: ICE / COOL OTHER:	GROUNDWATER NASTEWATER SOIL DIL SLUDGE	G)RAB OR (C)OMP.	D	Sample I.D.	H231533
		NG	SAMPLING	PRESERV.	MATRIX				FOR LAB USE ONLY
				Fax #:				GM	Sampler Name:
				Phone #:					Project Location:
			Zip:	State:	rvices.com	dan@trinityoilfieldservices.com	dan@tr	Mesa Verde BS Unit #8	Project Name:
				City:	(see below)		Project Owner:		Project #:
				Address:			Fax #:		Phone #:
			Wade Dittrich	Attn:	88241	Zip:	State: NM	Hobbs	City:
			OXY USA Inc.	Company:				8426 N Dal Paso	Address:
				P.O. #:				Dan Dunkelberg	Project Manager: Dan Dunkelberg
ANALTOIS REGOEST			BILL TO				SS	Company Name: Trinity Oilfield Services	Company Name:
ANALYSIS DECLIEST					(575) 393-2326 FAX (575) 393-2476	26 FAX (57	(575) 393-23	Laboratories	Lab
IN-OF-CUSTODY AND ANALYSIS REQUEST	CHAIN				101 East Marland Hobbs, NM 88240	Hand Hahl	101 East Ma	RDINAL	CAI



April 20, 2023

DAN DUNKELBERG
TRINITY OILFIELD SERVICES & RENTALS, LLC
P. O. BOX 2587
HOBBS, NM 88241

RE: MESA VERDE BS UNIT #8

Enclosed are the results of analyses for samples received by the laboratory on 04/14/23 14:58.

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/ga/lab accred certif.html.

Cardinal Laboratories is accreditated 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.

Celey D. Keine

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

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

Received: 04/14/2023 Reported: 04/20/2023

Project Name: MESA VERDE BS UNIT #8

Project Number: NONE GIVEN

Project Location: OXY - LEA CO NM

Sampling Date: 04/14/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CF-044-01.0-NA-S (H231813-01)

BTEX 8021B	mg,	/kg	Analyze	d By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2023	ND	2.03	101	2.00	7.37	
Toluene*	<0.050	0.050	04/19/2023	ND	2.13	106	2.00	7.23	
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	2.09	105	2.00	7.68	
Total Xylenes*	<0.150	0.150	04/19/2023	ND	6.49	108	6.00	8.22	
Total BTEX	<0.300	0.300	04/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	/kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/19/2023	ND	416	104	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	179	89.6	200	2.79	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	175	87.4	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					
Surrogate: 1-Chlorooctane	99.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	111 9	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

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

Received: 04/14/2023 Sampling Date: 04/14/2023

Reported: 04/20/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-045-01.0-NA-S (H231813-02)

BTEX 8021B	mg/	/kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2023	ND	1.81	90.4	2.00	15.9	QR-03
Toluene*	<0.050	0.050	04/19/2023	ND	1.87	93.6	2.00	16.7	QR-03
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	1.90	95.1	2.00	16.1	QR-03
Total Xylenes*	<0.150	0.150	04/19/2023	ND	5.83	97.2	6.00	14.8	QR-03
Total BTEX	<0.300	0.300	04/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104 9	% 71.5-13	4						
Chloride, SM4500CI-B	mg/	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/19/2023	ND	416	104	400	0.00	
TPH 8015M	mg/	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	179	89.6	200	2.79	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	175	87.4	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					
Surrogate: 1-Chlorooctane	99.6	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110 9	% 49.1-14	8						

Cardinal Laboratories *=Accredited Analyte

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Celey D. Keene



Analytical Results For:

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

Received: 04/14/2023 Sampling Date: 04/14/2023

Reported: 04/20/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-047-01.0-NA-S (H231813-03)

Analyte Result Reporting Limit Analyzed Method Blank BS % Benzene* <0.050 0.050 04/19/2023 ND 1.81 Toluene* <0.050 0.050 04/19/2023 ND 1.87 Ethylbenzene* <0.050 0.050 04/19/2023 ND 1.90 Total Xylenes* <0.150 0.150 04/19/2023 ND 5.83	90.4 93.6 95.1 97.2	2.00 2.00 2.00 2.00 6.00	RPD 15.9 16.7 16.1 14.8	Qualifier
Toluene* <0.050 0.050 04/19/2023 ND 1.87 Ethylbenzene* <0.050 0.050 04/19/2023 ND 1.90	93.6 95.1	2.00 2.00	16.7 16.1	
Ethylbenzene* <0.050 0.050 04/19/2023 ND 1.90	95.1	2.00	16.1	
, ,				
Total Xylenes* <0.150 0.150 04/19/2023 ND 5.83	97.2	6.00	14.8	
			10	
Total BTEX <0.300 0.300 04/19/2023 ND				
Surrogate: 4-Bromofluorobenzene (PID 105 % 71.5-134				
Chloride, SM4500Cl-B mg/kg Analyzed By: AC				
Analyte Result Reporting Limit Analyzed Method Blank BS %	Recovery	True Value QC	RPD	Qualifier
Chloride 32.0 16.0 04/19/2023 ND 416	104	400	0.00	
TPH 8015M mg/kg Analyzed By: MS				
Analyte Result Reporting Limit Analyzed Method Blank BS %	Recovery	True Value QC	RPD	Qualifier
GRO C6-C10* <10.0 10.0 04/19/2023 ND 179	89.6	200	2.79	
DRO >C10-C28* 543 10.0 04/19/2023 ND 175	87.4	200	2.11	
EXT DRO >C28-C36 113 10.0 04/19/2023 ND				
Surrogate: 1-Chlorooctane 93.0 % 48.2-134				
Surrogate: 1-Chlorooctadecane 102 % 49.1-148				

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Celeg D. Keene



Analytical Results For:

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

Received: 04/14/2023 Reported: 04/20/2023

72023 Sampling Date:

Analyzed By: JH

Project Name: MESA VERDE BS UNIT #8
Project Number: NONE GIVEN

Project Location: OXY - LEA CO NM

mg/kg

Sampling Date: 04/14/2023

Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CF-048-01.0-NA-S (H231813-04)

BTEX 8021B

	9/	9	7	7: 5::					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2023	ND	1.81	90.4	2.00	15.9	
Toluene*	<0.050	0.050	04/19/2023	ND	1.87	93.6	2.00	16.7	
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	1.90	95.1	2.00	16.1	
Total Xylenes*	<0.150	0.150	04/19/2023	ND	5.83	97.2	6.00	14.8	
Total BTEX	<0.300	0.300	04/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	103	% 71.5-13	4						
Chloride, SM4500CI-B	mg,	'kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/19/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	'kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	179	89.6	200	2.79	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	175	87.4	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					
Surrogate: 1-Chlorooctane	106	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	119	% 49.1-14	8						

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Celey D. Keine



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/14/2023 Sampling Date: 04/14/2023

Reported: 04/20/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-051-01.0-NA-S (H231813-05)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2023	ND	1.81	90.4	2.00	15.9	
Toluene*	<0.050	0.050	04/19/2023	ND	1.87	93.6	2.00	16.7	
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	1.90	95.1	2.00	16.1	
Total Xylenes*	<0.150	0.150	04/19/2023	ND	5.83	97.2	6.00	14.8	
Total BTEX	<0.300	0.300	04/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/19/2023	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	179	89.6	200	2.79	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	175	87.4	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					
Surrogate: 1-Chlorooctane	99.1	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	110	% 49.1-14	8						

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Fax To: NONE

Received: 04/14/2023 Sampling Date: 04/14/2023

Reported: 04/20/2023 Sampling Type: Soil

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact
Project Number: NONE GIVEN Sample Received By: Tamara Oldaker

Project Location: OXY - LEA CO NM

Sample ID: CF-052-01.0-NA-S (H231813-06)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2023	ND	1.81	90.4	2.00	15.9	
Toluene*	<0.050	0.050	04/19/2023	ND	1.87	93.6	2.00	16.7	
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	1.90	95.1	2.00	16.1	
Total Xylenes*	<0.150	0.150	04/19/2023	ND	5.83	97.2	6.00	14.8	
Total BTEX	<0.300	0.300	04/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/19/2023	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	179	89.6	200	2.79	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	175	87.4	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					
Surrogate: 1-Chlorooctane	96.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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Analytical Results For:

NONE

Fax To:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Received: 04/14/2023 Reported: 04/20/2023

MESA VERDE BS UNIT #8

Project Name: MESA VERDE B
Project Number: NONE GIVEN

Project Location: OXY - LEA CO NM

Sampling Date: 04/14/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact
Sample Received By: Tamara Oldaker

Sample ID: CF-053-01.0-NA-S (H231813-07)

BTEX 8021B	mg,	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2023	ND	1.81	90.4	2.00	15.9	
Toluene*	<0.050	0.050	04/19/2023	ND	1.87	93.6	2.00	16.7	
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	1.90	95.1	2.00	16.1	
Total Xylenes*	<0.150	0.150	04/19/2023	ND	5.83	97.2	6.00	14.8	
Total BTEX	<0.300	0.300	04/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	104	% 71.5-13	4						
Chloride, SM4500Cl-B	mg,	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/19/2023	ND	400	100	400	0.00	
TPH 8015M	mg,	/kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	179	89.6	200	2.79	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	175	87.4	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					
Surrogate: 1-Chlorooctane	95.4	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	105	% 49.1-14	8						

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Analytical Results For:

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

Received: 04/14/2023 Reported: 04/20/2023

MESA VERDE BS UNIT #8

Project Name: Project Number: NONE GIVEN

Project Location: OXY - LEA CO NM Sampling Date: 04/14/2023

Sampling Type: Soil

Sampling Condition: Cool & Intact Sample Received By: Tamara Oldaker

Sample ID: CF-055-01.0-NA-S (H231813-08)

BTEX 8021B	mg	'kg	Analyze	d By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2023	ND	1.81	90.4	2.00	15.9	
Toluene*	<0.050	0.050	04/19/2023	ND	1.87	93.6	2.00	16.7	
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	1.90	95.1	2.00	16.1	
Total Xylenes*	<0.150	0.150	04/19/2023	ND	5.83	97.2	6.00	14.8	
Total BTEX	<0.300	0.300	04/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500CI-B	mg	'kg	Analyze	d By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/19/2023	ND	400	100	400	0.00	
TPH 8015M	mg	'kg	Analyze	d By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	179	89.6	200	2.79	
DRO >C10-C28*	<10.0	10.0	04/19/2023	ND	175	87.4	200	2.11	
EXT DRO >C28-C36	<10.0	10.0	04/19/2023	ND					
Surrogate: 1-Chlorooctane	86.3	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	98.4	% 49.1-14	8						

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Tamara Oldaker

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC DAN DUNKELBERG P. O. BOX 2587 HOBBS NM, 88241

Sample Received By:

Received: 04/14/2023 Sampling Date: 04/14/2023
Reported: 04/20/2023 Sampling Type: Soil

NONE

Project Name: MESA VERDE BS UNIT #8 Sampling Condition: Cool & Intact

Fax To:

Project Number: NONE GIVEN
Project Location: OXY - LEA CO NM

Sample ID: CF-056-01.0-NA-S (H231813-09)

BTEX 8021B	mg	/kg	Analyze	ed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/19/2023	ND	1.81	90.4	2.00	15.9	
Toluene*	<0.050	0.050	04/19/2023	ND	1.87	93.6	2.00	16.7	
Ethylbenzene*	<0.050	0.050	04/19/2023	ND	1.90	95.1	2.00	16.1	
Total Xylenes*	<0.150	0.150	04/19/2023	ND	5.83	97.2	6.00	14.8	
Total BTEX	<0.300	0.300	04/19/2023	ND					
Surrogate: 4-Bromofluorobenzene (PID	105	% 71.5-13	4						
Chloride, SM4500Cl-B	mg	/kg	Analyze	ed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/19/2023	ND	400	100	400	0.00	
TPH 8015M	mg	/kg	Analyze	ed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/19/2023	ND	179	89.6	200	2.79	
DRO >C10-C28*	554	10.0	04/19/2023	ND	175	87.4	200	2.11	
EXT DRO >C28-C36	113	10.0	04/19/2023	ND					
Surrogate: 1-Chlorooctane	97.9	% 48.2-13	4						
Surrogate: 1-Chlorooctadecane	109	% 49.1-14	8						

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QR-04



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

Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference

*** Insufficient time to reach temperature.

- Chloride by SM4500Cl-B does not require samples be received at or below 6°C

Samples not received at proper temperature of 6°C or below.

The RPD for the BS/BSD was outside of historical limits.

Samples reported on an as received basis (wet) unless otherwise noted on report

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Sampler - UPS - Bus - Other:	Delivered By: (Circle One)	ă)	Relinquished By:	J. 200	Relinquished By:	affiliates or successors a	service. In no event shall	PLEASE NOTE: Liability		0	~	5		~	4	u	0.	_	Lab I.D.	H23/8/3	Sampler Name:	Project Location.	Project Name:	Project #:	Phone #:	City:	Address:	roject Manager	Company wanter	omnany Name:	CAR Laho
Bus - Other:	ircle One)		By:	· (oucers)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	rising out of or related to the performance	service. In no event shall Cardinal be liable for incidental or consequental damages, including without interest such claim is based upon any of the above stated reasons or otherwise.	PLEASE NOTE. Liability and Damages. Cardinals lability and cieries and continued by Cardinals within 30 days user conference and be deemed waived unless made in writing and received by Cardinal within 30 days user conference and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days user conference and any other causes whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days user conference and any other causes whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days user conference and any other causes whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days user conference and any other causes whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days user conference and any other causes whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days user conference and any other causes whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days user conference and any other causes whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days user conference and any other causes when the conference and any other causes which are caused and any other causes which are conference and any other causes which are caused and any other causes which are caused any other causes which are caused and any other causes which are caused and any other caused a		CF-056-01.0-NA-S	CF-055-01.0-NA-S	CF-053-01.0-NA-S	CF-052-01.0-NA-S	CF-051-01.0-NA-S	CF-048-01.0-NA-S		CF-045-01.0-NA-S	CF-044-01.0-NA-S	Sallipic		JC	5	Michael Action 200	Mesa Verde BS Unit #8		- 10000	Hobbs	Project Maliager. 221 Dal Paso	Dan Dunkelberg	Trinity Oilfield Services	ARDINAL ahoratories (5
Corrected Temp. °C4,	Observed Temp. °C 5, 3	Time:	Date:	17458	Ethit	Date:	equental damages, including w	cause whatsoever shall be de	aveluative remedy for any															dan@trinityoilfi	Project Owner:	Fax #:	State: NM Zi				101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476
47 Wes Wes	Samp		Received By:	MIM	1/2	Received By	irdinal, regardless of whether t	emed waived unless made in	y claim arising whether based	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	+				-		-		# (V)	G)RAB OR (C)OMP. CONTAINERS GROUNDWATER WASTEWATER SOIL OIL	MATRIX			(D)	(see below)		Zip: 88241				Hobbs, NM 88240 ((575) 393-2476
No No No Correction Factor 4.6 °C		1		Monde	1200	,	such claim is based upon	writing and received by C rruptions, loss of use, or I	in contract or tort, shall be											SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	PRESERV.	Fax#:	Phone #:	State: 2	City:	Address:	Attn:	Company: C	P.O. #:		
,6	(Initials)			R		N N	any of the above stated	ardinal within 30 days ar loss of profits incurred by	limited to the amount p		4/14/2023	4/14/2023	4/14/2023	4/14/2023	4/14/2023	4/14/2023	4/14/2023	4/14/2023	4/14/2023	DATE	SAMPLING			Zip:			Wade Dittrich	OXY USA Inc.		BILL 10	3
Correction Factor -0.6 °C		Turner Time:		REMARKS:	All Kesuits are emailed. I have pro-	Verbal Result:	reasons or otherwise.	client, its subsidiaries,	aid by the client for the		×	×	×	×	×	×	×	×	×	Chloride	G									+	
°C					Icu Icuso P. C.	Tes Yes			Sable Sable		×	×	×	×	×	×	×	×	×	TPH											CHAI
ne@cardinallab	Rush	Standard X				ide Email address:	No				×	×	×	×	×	×	×	×	×	BTEX											CHAIN-OF-CUS
snm.com	Cool				,		Add'l Phone #:																								ANALYSIS REQUEST
No	Yes Yes	Bacteria (only) Sample Condition														-	+														REQUEST
Corrected Temp. °C	Observed Temp. °C	le Condition	*				*																								ANALYSIS REQUEST
emp. °C	mp. °C	*																											_	_	



October 19, 2023

HOBBS, NM 88241

DAN DUNKELBERG
TRINITY OILFIELD SERVICES & RENTALS, LLC
P. O. BOX 2587

RE: MESA VERDE BS UNIT #8

Enclosed are the results of analyses for samples received by the laboratory on 10/02/23 15:45.

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

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B Total Coliform and E. coli (Colilert MMO-MUG)

Method EPA 524.2 Regulated VOCs and Total Trihalomethanes (TTHM)

Method EPA 552.2 Total Haloacetic Acids (HAA-5)

Celey D. Keene

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

Celey D. Keene

Lab Director/Quality Manager



Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587 HOBBS NM, 88241 Project: MESA VERDE BS UNIT #8

Project Number: NONE GIVEN
Project Manager: DAN DUNKELBERG

Fax To: NONE

Reported: 19-Oct-23 09:02

19-Oct-23 09:0

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CW-001.0-00.0-S	H235364-01	Soil	29-Sep-23 00:00	02-Oct-23 15:45

10/19/23 - Client changed the sample ID (see COC). This is the revised report and will replace the one sent on 10/09/23.

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587 HOBBS NM, 88241 Project: MESA VERDE BS UNIT #8

Project Number: NONE GIVEN
Project Manager: DAN DUNKELBERG

Fax To: NONE

Reported: 19-Oct-23 09:02

CW-001.0-00.0-S H235364-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
			Cardina	l Laborat	ories					
Inorganic Compounds										
Chloride	1040		16.0	mg/kg	4	3100503	AC	05-Oct-23	4500-Cl-B	
Volatile Organic Compounds	by EPA Method	8021								
Benzene*	< 0.050		0.050	mg/kg	50	3100338	JH	06-Oct-23	8021B	
Toluene*	< 0.050		0.050	mg/kg	50	3100338	JH	06-Oct-23	8021B	
Ethylbenzene*	< 0.050		0.050	mg/kg	50	3100338	JH	06-Oct-23	8021B	
Total Xylenes*	< 0.150		0.150	mg/kg	50	3100338	JH	06-Oct-23	8021B	
Total BTEX	< 0.300		0.300	mg/kg	50	3100338	JН	06-Oct-23	8021B	
Surrogate: 4-Bromofluorobenzene (PI	D)		100 %	71.5	-134	3100338	ЈН	06-Oct-23	8021B	
Petroleum Hydrocarbons by	GC FID									
GRO C6-C10*	<10.0		10.0	mg/kg	1	3100331	MS	04-Oct-23	8015B	
DRO >C10-C28*	117		10.0	mg/kg	1	3100331	MS	04-Oct-23	8015B	
EXT DRO >C28-C36	10.7		10.0	mg/kg	1	3100331	MS	04-Oct-23	8015B	
Surrogate: 1-Chlorooctane			94.0 %	48.2	-134	3100331	MS	04-Oct-23	8015B	
Surrogate: 1-Chlorooctadecane			111 %	49.1	-148	3100331	MS	04-Oct-23	8015B	

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Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587 HOBBS NM, 88241 Project: MESA VERDE BS UNIT #8

Project Number: NONE GIVEN
Project Manager: DAN DUNKELBERG

Fax To: NONE

Reported: 19-Oct-23 09:02

Inorganic Compounds - Quality Control

Cardinal Laboratories

Analyta	Result	Reporting	Units	Spike	Source Result	%REC	%REC Limits	RPD	RPD Limit	Natas
Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3100503 - 1:4 DI Water										
Blank (3100503-BLK1)				Prepared &	Analyzed:	05-Oct-23				
Chloride	ND	16.0	mg/kg							
LCS (3100503-BS1)				Prepared &	Analyzed:	05-Oct-23				
Chloride	432	16.0	mg/kg	400		108	80-120			
LCS Dup (3100503-BSD1)				Prepared &	Analyzed:	05-Oct-23				
Chloride	432	16.0	mg/kg	400		108	80-120	0.00	20	

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%REC

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587 HOBBS NM, 88241 Project: MESA VERDE BS UNIT #8

Spike

Source

Project Number: NONE GIVEN

Project Manager: DAN DUNKELBERG

Fax To: NONE

Reported: 19-Oct-23 09:02

RPD

Volatile Organic Compounds by EPA Method 8021 - Quality Control

Cardinal Laboratories

Reporting

0.0552

Analyte	Result	Limit	Units	Level	Result	%REC	Limits	RPD	Limit	Notes
Batch 3100338 - Volatiles										
Blank (3100338-BLK1)				Prepared: (03-Oct-23 A	nalyzed: 0	6-Oct-23			
Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0562		mg/kg	0.0500		112	71.5-134			
LCS (3100338-BS1)				Prepared: (3-Oct-23 A	nalyzed: 0	6-Oct-23			
Benzene	2.16	0.050	mg/kg	2.00		108	82.8-130			
Toluene	2.16	0.050	mg/kg	2.00		108	86-128			
Ethylbenzene	2.28	0.050	mg/kg	2.00		114	85.9-128			
m,p-Xylene	4.59	0.100	mg/kg	4.00		115	89-129			
o-Xylene	2.31	0.050	mg/kg	2.00		115	86.1-125			
Total Xylenes	6.90	0.150	mg/kg	6.00		115	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0538		mg/kg	0.0500		108	71.5-134			
LCS Dup (3100338-BSD1)				Prepared: (3-Oct-23 A	nalyzed: 0	6-Oct-23			
Benzene	2.07	0.050	mg/kg	2.00		103	82.8-130	4.20	15.8	
Toluene	2.12	0.050	mg/kg	2.00		106	86-128	1.69	15.9	
Ethylbenzene	2.26	0.050	mg/kg	2.00		113	85.9-128	0.671	16	
m,p-Xylene	4.56	0.100	mg/kg	4.00		114	89-129	0.575	16.2	
o-Xylene	2.29	0.050	mg/kg	2.00		115	86.1-125	0.488	16.7	
Total Xylenes	6.86	0.150	mg/kg	6.00		114	88.2-128	0.546	16.3	

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mg/kg

0.0500

110

71 5-134

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Celey D. Keine

Surrogate: 4-Bromofluorobenzene (PID)

Celey D. Keene, Lab Director/Quality Manager



%REC

Limits

48.2-134

49.1-148

115

RPD

Analytical Results For:

TRINITY OILFIELD SERVICES & RENTALS, LLC

P. O. BOX 2587 HOBBS NM, 88241

Analyte

Surrogate: 1-Chlorooctane

Surrogate: 1-Chlorooctadecane

Project: MESA VERDE BS UNIT #8

Project Number: NONE GIVEN
Project Manager: DAN DUNKELBERG

Fax To: NONE

Reported: 19-Oct-23 09:02

RPD

Limit

Notes

Petroleum Hydrocarbons by GC FID - Quality Control

Spike

Level

50.0

50.0

Source

Result

%REC

Cardinal Laboratories

Units

Reporting

Limit

Result

51.0

57.3

Blank (3100331-BLK1)				Prepared & Anal	lyzed: 03-Oct-23				
GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	51.8		mg/kg	50.0	104	48.2-134			
Surrogate: 1-Chlorooctadecane	61.8		mg/kg	50.0	124	49.1-148			
LCS (3100331-BS1)				Prepared & Anal	lyzed: 03-Oct-23				
GRO C6-C10	213	10.0	mg/kg	200	106	66.4-123			
DRO >C10-C28	213	10.0	mg/kg	200	107	66.5-118			
Total TPH C6-C28	426	10.0	mg/kg	400	107	77.6-123			
Surrogate: 1-Chlorooctane	54.7		mg/kg	50.0	109	48.2-134			
Surrogate: 1-Chlorooctadecane	60.9		mg/kg	50.0	122	49.1-148			
LCS Dup (3100331-BSD1)				Prepared & Anal	lyzed: 03-Oct-23				
GRO C6-C10	199	10.0	mg/kg	200	99.6	66.4-123	6.64	17.7	
DRO >C10-C28	203	10.0	mg/kg	200	101	66.5-118	5.09	21	
Total TPH C6-C28	402	10.0	mg/kg	400	100	77.6-123	5.86	18.5	

mg/kg

mg/kg

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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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Celey D. Keine

Celey D. Keene, Lab Director/Quality Manager

Page 7 of 8

CARDINAL Laboratories	101 East Marland, Hobbs, NM 88240 (575) 393-2326 FAX (575) 393-2476	0			СНА	IN-OF-C	USTOD'	CHAIN-OF-CUSTODY AND ANALYSIS REQUEST	LYSIS REC	QUEST	
Company Name: Trinity Oilfield Services	in .	BIL	BILL TO				ANAL	ANALYSIS REQUEST	ï		
		P.O. #:									
Address: 8426 N Dal Paso		Company: OXY	OXY USA Inc			***************************************		***************************************			
	State: NM Zip: 88241		Wade Dittrich			-		-			
Phone #:	Fax#:	Address:				************				-	
Project #:	Project Owner: (see below)	City:									
Project Name: Mesa Verde BS Unit #8	dan@trinityoilfieldservices.com	State: Zip:				-					-
ii.		Phone #:				-				-	-
Sampler Name: KM		Fax #:			-	-					
FOR LAB USE ONLY	MATRIX	PRESERV.	SAMPLING			**********					
H335364 ** Lab I.D. (W Sample I.D	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE	OTHER: ACID/BASE: ICE / COOL OTHER:	DATE TIME	Chloride	ТРН	ВТЕХ					
/ CF-001.0-0	C 1		9/29/2023	×	×	×					
I											
8 8 8											
PLEASE NOTE: Liability and Danages, Cardinal's liability and clarift's exclusive renerby for any claim arting whether based in contract or for, shall be limited to the amount paid by the clear for the analyses. All claims including those for negigenes and any other cause whatsoewer shall be deemed walved unless made in writing and received by Cardinal which 30 days after completion of the applicable service, in no event shall Cardinal be liable for incidental or corresponded damages, including without including, unfortunation, business interruptions, class or use, or to so profits incured by client, its subsidiaries, affiliates or excessors arising out-for related to the netformance of services hereunder by Cardinal recordes 5 of whether such claim is based upon any of the above stated reasons or changes.	leri's exclusive remedy for any claim arising whether based in ou cause whatsour made in the cause whatsour made in the cause whatsour cause whatsour cause whatsour cause whatsour cause whatsour cause who was not cause without limitation bases and en well as a few of earning and the cause whether such a of searches hereunder by Cardinal, recordless of whether such	contract or tort, shall be limited ling and received by Cardinal vi plions, loss of use, or loss of p h claim is based upon any of the	I to the amount paid by the within 30 days after complete from the	ection of the applicable subsidiaries.							
Relinquished By:	Date: Received By://	2	Verbal Result:	esult:	Yes	No	Add'l Phone #:	e #:			
	10-6-C-C		All Resu	All Results are emailed. Please provide Email address:	Please provid	e Email addres	ø.				
Relinquished By:	Date: Received By:	(REMAR	REMARKS: ** Sample Io chan	To ch	an Sed	sed as pe	1 Dan.	Dan. 10/17/23 CA	123 CA	
Delivered By: (Circle One)	Observed Temp. °C Sample Condition	ion CHECKED BY:		Turnaround Time:	Sta	Standard X		Bacteria (only) Sample Condition	ple Condition		
	1.0	(Initials)	,		Rush			Cool Intact	Observed Temp. °C	утр. °С	
Sampler - UPS - Bus - Other:	Corrected Temp. °C Yes Yes		Correctio	Thermometer ID #140 Correction Factor 0 °C				No No	Corrected Temp. °C	amp. °C	
Programme de la company de la											

<u>District I</u> 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

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 292669

QUESTIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	292669
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Prerequisites	
Incident ID (n#)	nOY1807332612
Incident Name	NOY1807332612 MESA VERDE BONE SPRING UNIT #008H @ 30-025-44184
Incident Type	Release Other
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-44184] MESA VERDE BONE SPRING UNIT #008H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MESA VERDE BONE SPRING UNIT #008H
Date Release Discovered	02/27/2018
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Release Other
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	No

Nature and Volume of Release		
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.		
Crude Oil Released (bbls) Details	Not answered.	
Produced Water Released (bbls) Details	Not answered.	
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.	
Condensate Released (bbls) Details	Not answered.	
Natural Gas Vented (Mcf) Details	Not answered.	
Natural Gas Flared (Mcf) Details	Not answered.	
Other Released Details	Cause: Equipment Failure Tank (Any) Diesel Released: 7 BBL Recovered: 0 BBL Lost: 7 BBL.	
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.	

District I
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**

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

QUESTIONS, Page 2

Action 292669

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462	. 1 0, 1411 07 000
QUESTI	IONS (continued)
Operator: OXY USA INC P.O. Box 4294 Houston, TX 772104294	OGRID: 16696 Action Number: 292669 Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)
QUESTIONS	, , , , , , , , , , , , , , , , , , , ,
Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e.	e. gas only) are to be submitted on the C-129 form.
Initial Response	
The responsible party must undertake the following actions immediately unless they could create a s The source of the release has been stopped	
The impacted area has been secured to protect human health and the environment	True True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.
	I liation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative o ted or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of evaluation in the follow-up C-141 submission.
to report and/or file certain release notifications and perform corrective actions for releathe OCD does not relieve the operator of liability should their operations have failed to a	knowledge and understand that pursuant to OCD rules and regulations all operators are required asses which may endanger public health or the environment. The acceptance of a C-141 report by adequately investigate and remediate contamination that pose a threat to groundwater, surface t does not relieve the operator of responsibility for compliance with any other federal, state, or
I hereby agree and sign off to the above statement	Name: Wade Dittrich Title: Environmental Coordinator

Email: wade_dittrich@oxy.com

Date: 12/08/2023

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720 District II

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1000 Rio Brazos Rd., Aztec, NM 87410 Phone:(505) 334-6178 Fax:(505) 334-6170

1220 S. St Francis Dr., Santa Fe, NM 87505 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 3

Action 292669

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	292669
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Site Characterization		
Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)	
What method was used to determine the depth to ground water	Direct Measurement	
Did this release impact groundwater or surface water	No	
What is the minimum distance, between the closest lateral extents of the release ar	nd the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)	
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between ½ and 1 (mi.)	
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)	
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)	
Any other fresh water well or spring	Greater than 5 (mi.)	
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)	
A wetland	Between ½ and 1 (mi.)	
A subsurface mine	Greater than 5 (mi.)	
An (non-karst) unstable area	Greater than 5 (mi.)	
Categorize the risk of this well / site being in a karst geology	Low	
A 100-year floodplain	Greater than 5 (mi.)	
Did the release impact areas not on an exploration, development, production, or storage site	No	

o the appropriate district office no later than 90 days after the release discovery date.		
Yes		
on associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.		
Yes		
No		
nilligrams per kilograms.)		
2020		
7160		
6236		
0.1		
0		
ed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC		
03/30/2023		
03/30/2023		
04/14/2023		
0		
0		
11108		
176		
These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.		
1		

significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 **District II**

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

QUESTIONS, Page 4

Action 292669

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	292669
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Remediation Plan (continued)		
Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.		
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:		
(Select all answers below that apply.)		
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes	
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]	
OR which OCD approved well (API) will be used for off-site disposal	Not answered.	
OR is the off-site disposal site, to be used, out-of-state	Not answered.	
OR is the off-site disposal site, to be used, an NMED facility	Not answered.	
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.	
(In Situ) Soil Vapor Extraction	Not answered.	
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.	
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.	
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.	
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.	
OTHER (Non-listed remedial process)	Not answered.	

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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

I hereby agree and sign off to the above statement

Name: Wade Dittrich Title: Environmental Coordinator

Email: wade_dittrich@oxy.com Date: 12/08/2023

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

Released to Imaging: 12/14/2023 2:50:20 PM

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

QUESTIONS, Page 5

Action 292669

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	292669
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Deferral Requests Only		
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.		
	Requesting a deferral of the remediation closure due date with the approval of this submission	No

District I

1625 N. French Dr., Hobbs, NM 88240 Phone:(575) 393-6161 Fax:(575) 393-0720 **District II**

DISTRICT II
811 S. First St., Artesia, NM 88210
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State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division 1220 S. St Francis Dr. Santa Fe, NM 87505

QUESTIONS, Page 6

Action 292669

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Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	292669
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Sampling Event Information		
Last sampling notification (C-141N) recorded	292764	
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/13/2023	
What was the (estimated) number of samples that were to be gathered	57	
What was the sampling surface area in square feet	11108	

Remediation Closure Request				
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.				
Requesting a remediation closure approval with this submission	Yes			
Have the lateral and vertical extents of contamination been fully delineated	Yes			
Was this release entirely contained within a lined containment area	No			
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	Yes			
What was the total surface area (in square feet) remediated	11108			
What was the total volume (cubic yards) remediated	176			
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	Yes			
What was the total surface area (in square feet) reclaimed	11108			
What was the total volume (in cubic yards) reclaimed	176			
Summarize any additional remediation activities not included by answers (above)	NA			

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

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

Name: Wade Dittrich
Title: Environmental Coordinator
Email: wade_dittrich@oxy.com
Date: 12/11/2023

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QUESTIONS, Page 7

Action 292669

QUESTIONS (continued)

Operator:	OGRID:
OXY USA INC P.O. Box 4294 Houston, TX 772104294	16696
	Action Number: 292669
nousion, 17 172104294	1 111
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 292669

CONDITIONS

Operator:	OGRID:
OXY USA INC	16696
P.O. Box 4294	Action Number:
Houston, TX 772104294	292669
	Action Type:
	[C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
amaxwell	Remediation Closure approved. All areas not reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as practical. Areas reasonably needed for production or subsequent drilling operations will need to be reclaimed and revegetated as soon as they are no longer reasonably needed. A report for reclamation and revegetation will need to be submitted and approved prior to this incident receiving the final status of "Restoration Complete"."	12/14/2023