

Maldives 15 CTB 1

nRM2012241818

4/22/2020

<u>Spill Volume(Bbls) Calculator</u>	
<i>Inputs in blue, Outputs in red</i>	
Contaminated Soil measurement	
Area (square feet)	Depth(inches)
<u>51764</u>	<u>0.063</u>
Cubic Feet of Soil Impacted	<u>271.761</u>
Barrels of Soil Impacted	<u>48.44</u>
Soil Type	Sand
Barrels of Oil Assuming 100% Saturation	<u>9.69</u>
Saturation	Fluid present with shovel/backhoe
Estimated Barrels of Oil Released	9.69
Free Standing Fluid Only	
Area (square feet)	Depth(inches)
<u>4596</u>	<u>0.250</u>
Standing fluid	<u>17.068</u>
<u>Total fluids spilled</u>	<u>26.756</u>



209 W. McKay Street
Carlsbad, New Mexico 88220
Tel. 432-701-2159
www.ntgenvironmental.com

June 24, 2024

Mike Bratcher
District Supervisor
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

**Re: Site Characterization and Remediation Deferral Request
Maldives 15 CTB 1
Unit D, S15, T23S, R31E
Site Coordinates: 32.3088530, -103.772222
Eddy County, New Mexico
Incident ID: nRM2012241818**

Mr. Bratcher:

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Remediation Deferral Request for submittal to the New Mexico Oil Conservation Division (NMCOD) District 2 Office in Artesia, New Mexico to document site assessment, proposed remedial action activities, and sample analysis results for the Maldives 15 CTB 1 (Site). The Site is located in Unit Letter D, Section 15, of Township 23 South and Range 31 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.3088530° N latitude and -103.772222° W longitude. The site location with respect to the nearest town is shown in Figure 1 and the topography of the area is shown in Figure 2.

Background

Based on the initial C-141 obtained from the NMOCD, the release was discovered on April 22, 2020. The release was a result of a heater treater gasket failure resulting in the release of approximately twenty-five and three fourths (25.75) barrels (bbls) of crude oil of which ten (10) bbls were recovered for a net loss of fifteen and three fourths (15.75) bbls of crude oil. Upon discovery, the equipment was shut-in, and the area secured.

The release areas are shown in Figure 3.

Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, there is two known water sources within a ½-mile radius of the Site. In 2023 a groundwater determination bore (GWDB) was installed within 0.5 miles of the Site, to assess the presence of groundwater within the upper 50 feet below ground surface (ft bgs). The GWDB was drilled to a depth of 55 ft bgs and was left open for a minimum of 48 hours and gauged to assess the presence of water measured; no ground water was encountered. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. According to the

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June 24, 2024
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Karst Potential Map, the site is located within a Low Karst area. The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) are attached to the end of this report.

Regulatory Criteria

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, from the New Mexico Administrative Code (NMCA) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
Low	≥55

Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12 & 19.15.29.13)

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	TPH (GRO+MRO)	BTEX	Benzene
19.15.29.13 Restoration, Reclamation and Re-Vegetation (Impacted Area 0-4 Feet)	10,000 mg/kg	2,500 mg/kg	1,000mg/kg	50 mg/kg	10 mg/kg
Notes: --- = not defined					

Site Assessment

On April 11, 2024, NTGE conducted site assessment activities to assess the extent of impacts at the Site. A total of four (4) vertical sample points (S-1 through S-4) and six (6) horizontal sample points (H-1 through H-6) were installed within and adjacent to the release area in order to characterize the impacts. Soil samples were collected in half (0.5) ft intervals to one (1) ft from depths ranging from surface to four and a half (4.5) ft bgs with a geotechnical hand auger. The samples were analyzed for benzene, toluene, ethylbenzene, and xylenes (BTEX) by EPA method 8021B, total petroleum hydrocarbon (TPH) by method 8015B, and chloride by EPA method 300.0 by Eurofins Laboratories in Carlsbad, New Mexico. The analytical results indicated that TPH concentrations exceeded the NMOCD regulatory limits in the areas of S-1, S-2, S-4, H-1, and H-2. Analytical results are included in Table 1, while soil boring locations are shown in Figure 3.

Remedial Action Activities and Confirmation Sampling

Based on the analytical results, Devon proceeded with the remedial actions at the Site to include the excavation and disposal of impacted soils above the regulatory limits. The release area was excavated to a depth of three (3) ft bgs in the areas of S-1 and S-2 and two (2) ft bgs in the areas of S-4.

On May 16, 2024, a total of seventeen (17) composite confirmation samples were collected from the excavation base (i.e., CS-1 through CS-17) and eleven (11) sidewall composite confirmation samples were collected (i.e., SW-1 through SW-11) to ensure impacted soil was removed.

Analytical results indicated that multiple composite confirmation excavation base and side wall samples (i.e., CS-1, CS-2, CS-3, CS-4, CS-5, CS-6, CS-7, CS-10, CS-13, CS-14, CS-15, CS-16, CS-17, SW-1

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and SW-6) were above NMOCD regulatory criterion for chloride and/or TPH concentrations.

As a result, Devon proceeded with the further excavation of impacted areas. On May 30, 2024, NTGE collected a total of four (4) additional confirmation samples from the excavation base (i.e., CS-2, CS-6, CS-13, and CS-15) and one (1) additional confirmation samples were collected from the excavation sidewalls (i.e., SW-1A) to ensure impacted soil was removed.

On June 6, 2024, NTGE returned to the Site to collect a total of nine (9) additional confirmation samples from the excavation base (i.e., CS-1, CS-3, CS-4, CS-5, CS-7, CS-10, CS-14, CS-16 and CS-17) to ensure impacted soils were removed.

Analytical results indicated all samples were below NMOCD regulatory criterion for the Site, excluding SW-6 which was unable to be excavated further due to facility infrastructure. The final excavation extent and confirmation sample locations are shown in Figure 4. Analytical results of the confirmation samples are included in Table 2.

Soil samples were placed directly into laboratory provided sample containers, placed on ice, and transported under proper chain-of-custody protocol to the lab. The confirmation samples collected represent an area no greater than 200 square feet and were analyzed for BTEX (EPA Method 8021B), TPH (EPA method 8015 modified), and chloride (method SM4500Cl-B). Laboratory reports containing analytical methods and chain-of-custody documents are attached.

Deferral Sampling

On May 16, 2024, NTGE installed four (4) horizontal deferral sample points (i.e., DS-1 through DS-4) at depths ranging from zero (0) to half (0.5) ft bgs with a geotechnical hand auger to characterize the impacts that couldn't be reached due to facility infrastructure. Laboratory results of these samples are presented in Table 2 and their locations are shown in Figure 5.

On May 30, 2024, NTGE returned to the site to vertically extend D-2. Samples were collected with a geotechnical hand auger at one (1) ft intervals at depths ranging from one (1) to two and a half (2.5) ft bgs.

Soil samples were placed directly into laboratory provided sample containers, placed on ice, and transported under proper chain-of-custody protocol to the lab. The deferral samples were analyzed for BTEX, TPH, and chloride. Laboratory reports containing analytical methods and chain-of-custody documents are attached. All the samples were below NMOCD standard with the exception of sample D-2 (0-6") which had TPH and chloride above standards.

Deferral Request

Devon personnel have expressed that the excavation areas of SW-3 through SW-6 cannot be expanded vertically or horizontally due to the presence of facility infrastructure (i.e., liner, tank batteries, separators, adjacent flowlines and electrical lines, etc.) around the excavation and the associated safety concerns in further encroaching the infrastructure. The infrastructure in and around the excavation is shown on Figure 5.

On behalf of Devon, NTG Environmental formally requests a deferral to address the remaining soil impacts) at the time of facility decommissioning or in the event infrastructure modifications are made in the area that would alleviate the safety concerns, whichever is sooner. Should the deferral request be granted, a remedial action report documenting excavation expansion and confirmation sampling

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activities will be prepared and filed following completion of the further actions to be completed at a future date.

If you have any questions regarding this report or need additional information, please contact us at 432-701-2159.

Sincerely,
NTG Environmental



Ethan Sessums
Project Manager

Attachments:

- Site Characterization Information
- Tables
- Figures
- Photographic Log
- Laboratory Reports and Chain-of-Custody

SITE CHARACTERIZATION INFORMATION

NMOCD Closure Criteria

Maldives 15 CTB 1

Site Information (19.15.29.11.A (2,3, & 4) NMAC)		Source/Notes
Depth to Groundwater (ft bgs)	≥55	Office of the State Engineer (OSE)
Horizontal Distance from All Water Sources Within 0.5 mile (ft)	n/a	National Wetlands Inventory (NWS)
Horizontal Distance to Nearest Significant Watercourse (ft)	n/a	National Wetlands Inventory (NWS)

Closure Criteria (19.15.29.12.B(4) and Table 1 NMAC)						
Depth to Groundwater (ft)		Closure Criteria (mg/kg)				
		Chloride*	TPH	GRO + DRO	BTEX	Benzene
< 50		600	100	--	50	10
51 - 100	x	10,000	2,500	1,000	50	10
>100		20,000	2,500	1,000	50	10
Surface Water	Yes/No	in yes, then				
<300 ft from a continuously flowing watercourse or other significant watercourse?	No	600	100		50	10
<200 ft from a lakebed, sinkhole, or playa lake?	No					
Water Well or Water Source						
<500 ft from a spring or a private, domestic fresh waster well used by less that 5 households for domestic or livestock purposes?	No					
<1,000 ft from a fresh water well or spring?	No					
Human and Other Area						
<300 ft from an occupied permanent residence, school, hospital, institution or church?	No					
Within incorporated municipal boundaries or within a defined municipal fresh water well field?	No					
<100 ft from a wetland?	No					
Within an area overlying a subsurface mine?	No					
Within and unstable area?	No					
Within a 100 yr floodplain?	No					











* - numerical limit or background, whichever is greater

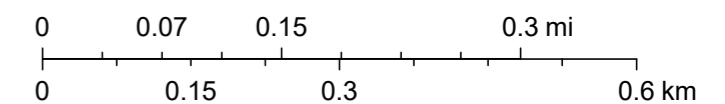
OCD Well Locations



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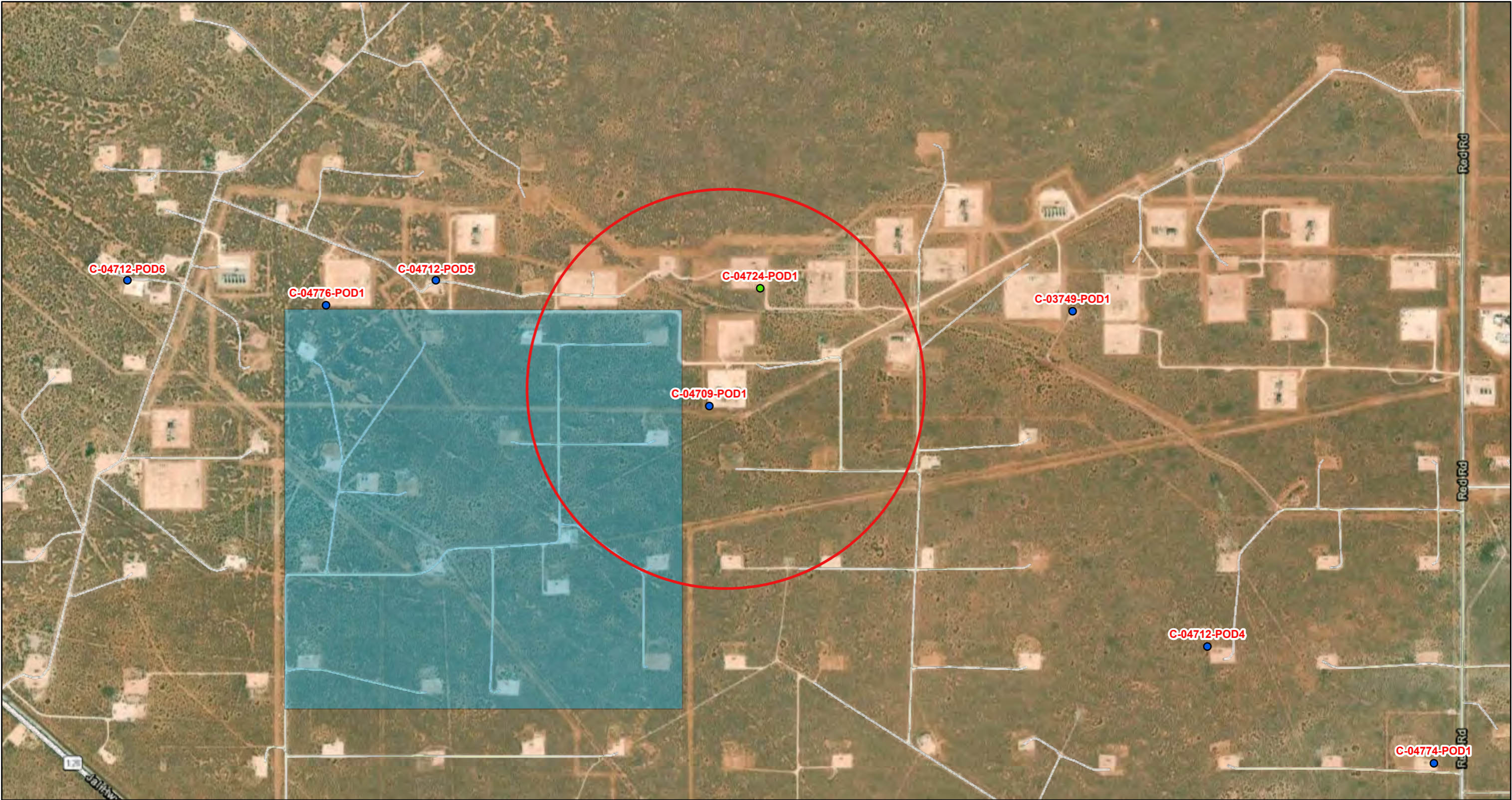
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-  OSE Water PODs
  Oil, Cancelled
 Karst Occurrence Potential
 Wells - Large Scale
 Oil, New
 Low
 Gas, Plugged
 Oil, Plugged
 PLSS Second Division
 Oil, Active
 Salt Water Injection, Active
 PLSS First Division



BLM, OCD, New Mexico Tech, Oil Conservation Division
of the New Mexico Energy, Minerals and Natural
Resources Department., USGS, OCD, Esri, HERE,
Garmin, iPC, Maxar, BLM

OSE POD Location Map



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- Override 1

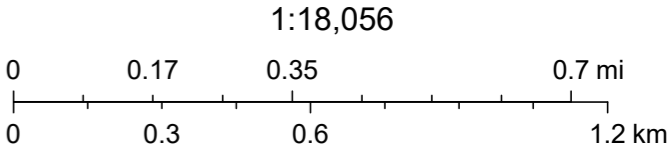
GIS WATERS PODs

Active
- Pending
- OSE District Boundary
- Water Right Regulations

Artesian Planning Area

New Mexico State Trust Lands

Both Estates




Esri, HERE, iPC, Esri, HERE, Garmin, iPC, Maxar



New Mexico Office of the State Engineer

Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)				(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y
NA	C 04709 POD1	3	1	1	15	23S	31E	615509	3575262 
<hr/>									
Driller License: 1249		Driller Company: ATKINS ENGINEERING ASSOC. INC.							
Driller Name: JACKIE D. ATKINS									
Drill Start Date: 04/11/2023		Drill Finish Date: 04/11/2023				Plug Date: 04/18/2023			
Log File Date: 04/28/2023		PCW Rcv Date:				Source:			
Pump Type:		Pipe Discharge Size:				Estimated Yield:			
Casing Size:		Depth Well:				Depth Water:			

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

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POINT OF DIVERSION SUMMARY



PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-04709 POD-1

Well owner: Devon Energy

Phone No.: 575-748-1838

Mailing address: 6488 7 Rivers Hwy

City: Artesia

State: New Mexico

Zip code: 88210

II. WELL PLUGGING INFORMATION:

1) Name of well drilling company that plugged well: Jackie D. Atkins (Atkins Engineering Associates Inc.)

2) New Mexico Well Driller License No.: 1249 Expiration Date: 04/30/25

3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):
Shane Eldridge, Cameron Pruitt

4) Date well plugging began: 4/18/23 Date well plugging concluded: 4/18/23

5) GPS Well Location: Latitude: 32 deg, 18 min, 29.62 sec
Longitude: 103 deg, 46 min, 22.89 sec, WGS 84

6) Depth of well confirmed at initiation of plugging as: 55 ft below ground level (bgl),
by the following manner: weighted tape

7) Static water level measured at initiation of plugging: n/a ft bgl

8) Date well plugging plan of operations was approved by the State Engineer: 2/21/2023

9) Were all plugging activities consistent with an approved plugging plan? Yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- For each interval plugged, describe within the following columns:**

[illegible]

MULTIPLY		BY	AND OBTAIN
cubic feet	x	7.4805	= gallons
cubic yards	x	201.97	= gallons

I, Jackie D. Atkins, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

Jack Atkins

4/27/23

Date _____

National Flood Hazard Layer FIRMette



103°46'39"W 32°18'47"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°46'1"W 32°18'17"N

Released to Imaging: 8/5/2024 2:32:30 PM

Basemap Imagery Source: USGS National Map 2023

Legend

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

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



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




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

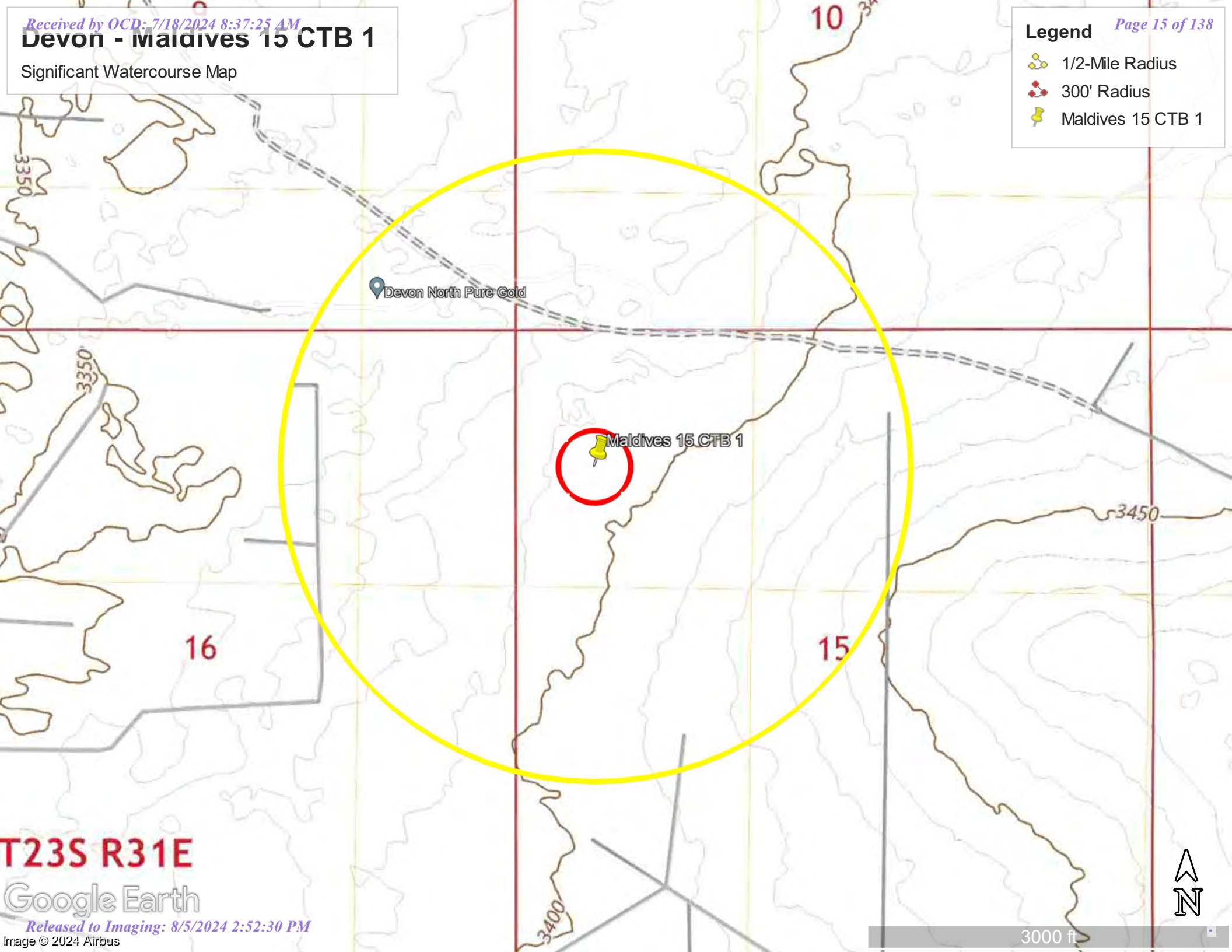
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 2/15/2024 at 2:07 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Devon - Maldives 15 CTB 1

Significant Watercourse Map

-  1/2-Mile Radius
-  300' Radius
-  Maldives 15 CTB 1

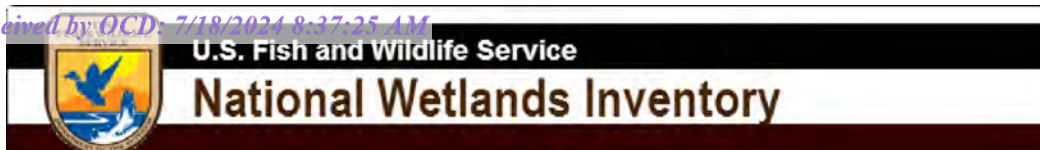


T23S R31E

Google Earth



3000 ft











Wetlands



February 15, 2024

Wetlands

	Estuarine and Marine Deepwater		Freshwater Emergent Wetland		Lake
	Estuarine and Marine Wetland		Freshwater Forested/Shrub Wetland		Other
			Freshwater Pond		Riverine

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

TABLES

Table 1
Summary of Soil Analytical Data - Delineation Samples
Maldives 15 CTB 1
Devon Energy Production Company
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)		
			Table I Closure Criteria for Soil 50-100 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg		10,000 mg/kg
Vertical Delineation Samples														
S-1	4/11/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<100	13,200	13,200	3,760	16,960	432	
	4/11/2024	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	15.6	6,930.0	6,945.6	1,450	8,395.6	48	
	4/11/2024	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	494	494	107	601	48	
	4/11/2024	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
	4/11/2024	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
S-2	4/11/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<100	12,600	12,600	3,270	15,870	576	
	4/11/2024	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	6,380	6,380	1,330	7,710	160	
	4/11/2024	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	338	338	79.8	417.8	64	
	4/11/2024	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
	4/11/2024	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
S-3	4/11/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
	4/11/2024	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
	4/11/2024	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
S-4	4/11/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<100	18,400	18,400	4,050	22,450	336	
	4/11/2024	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	329	329	66	395	32	
	4/11/2024	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
	4/11/2024	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
	4/11/2024	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.1	23.1	<10.0	23.1	32	
Horizontal Delineation Samples														
H-1	4/11/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	5,820	5,820	1,610	7,430	160	
H-2	4/11/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	308	308	131	439	544	
H-3	4/11/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
H-4	4/11/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
H-5	4/11/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
H-6	4/11/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.1	<10.1	<10.1	<10.1	<10.1	160	
DS-2	5/30/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
	5/30/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
DS-4	5/30/2024		<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
Confirmation Samples														
H-1	4/11/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	5,820	5,820	1,610	7,430	160	
H-2	4/11/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	308	308	131	439	544	
H-3	4/11/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
H-4	4/11/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48	
H-5	4/11/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
H-6	4/11/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.1	<10.1	<10.1	<10.1	<10.1	160	

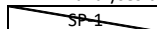
Notes:

1. Values reported in mg/kg

2. < = Value Less Than Reporting Limit (RL)

3. Bold indicates Analyte Detected

4. BTEX analyses by EPA Method SW 8021B

 Sample Point Excavated

5. TPH analyses by EPA Method SW 8015 Mod.

6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

9. --- Not Analyzed

Table 2
Summary of Soil Analytical Data -Confirmation Samples
Maldives 15 CTB 1
Devon Energy Production Company
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)		
			Table I Closure Criteria for Soil 50-100 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg		10,000 mg/kg
Vertical Confirmation Samples														
CS-1	5/16/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	938	938	228	1,166	160	
	6/4/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
CS-2	5/16/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,520	1,520	383	1,903	128	
	5/30/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	60.1	60.1	<10.0	60.1	128	
CS-3	5/16/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	705	705	191	896	128	
	6/4/2024	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
CS-4	5/16/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	674	674	173	847	96	
	6/4/2024	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
CS-5	5/16/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	746	746	192	938	96	
	6/4/2024	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
CS-6	5/16/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,440	1,140	398	1,538	176	
	5/30/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.3	17.3	<10.0	17.3	16.0	
CS-7	5/16/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	103	103	28	131	48	
	6/4/2024	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	13.4	13.4	<16.0	
CS-8	5/16/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
CS-9	5/16/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64	
CS-10	5/16/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	319	319	99	418	112	
	6/4/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
CS-11	5/16/2024	3	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
CS-12	5/16/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	74	74	17	91	416	
CS-13	5/16/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,510	1,510	425	1,935	112	
	5/30/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
CS-14	5/16/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	954	954	268	1,222	64	
	6/4/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
CS-15	5/16/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,940	1,940	574	2,514	144	
	5/30/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
CS-16	5/16/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	89	89	32	121	48	
	6/4/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
CS-17	5/16/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,090	1,090	377	1,467	224	
	6/4/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
Horizontal Confirmation Samples														
SW-1	5/16/2024	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	132	132	27	159	96	
SW-1A	5/30/2024	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
SW-2	5/16/2024	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64	
SW-3	5/16/2024	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16	
SW-4	5/16/2024	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	29	29	<10.0	29	64	
SW-5	5/16/2024	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288	
SW-6	5/16/2024	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	409	409	188	597	48	
SW-7	5/16/2024	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32	
SW-8	5/16/2024	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112	
SW-9	5/30/2024	3-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
SW-10	5/30/2024	3-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	

Table 2
Summary of Soil Analytical Data -Confirmation Samples
Maldives 15 CTB 1
Devon Energy Production Company
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil 50-100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	10,000 mg/kg
SW-11	5/30/2024	2-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
Deferral Samples													
D-1	5/16/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
D-2	5/16/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	7,180	7,180	2,040	9,220	784
	5/30/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
	5/30/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
D-3	5/16/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
DS-4	5/30/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16

Notes:

1. Values reported in mg/kg
2. < = Value Less Than Reporting Limit (RL)
3. Bold indicates Analyte Detected
4. BTEX analyses by EPA Method SW 8021B

5. TPH analyses by EPA Method SW 8015 Mod.
6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

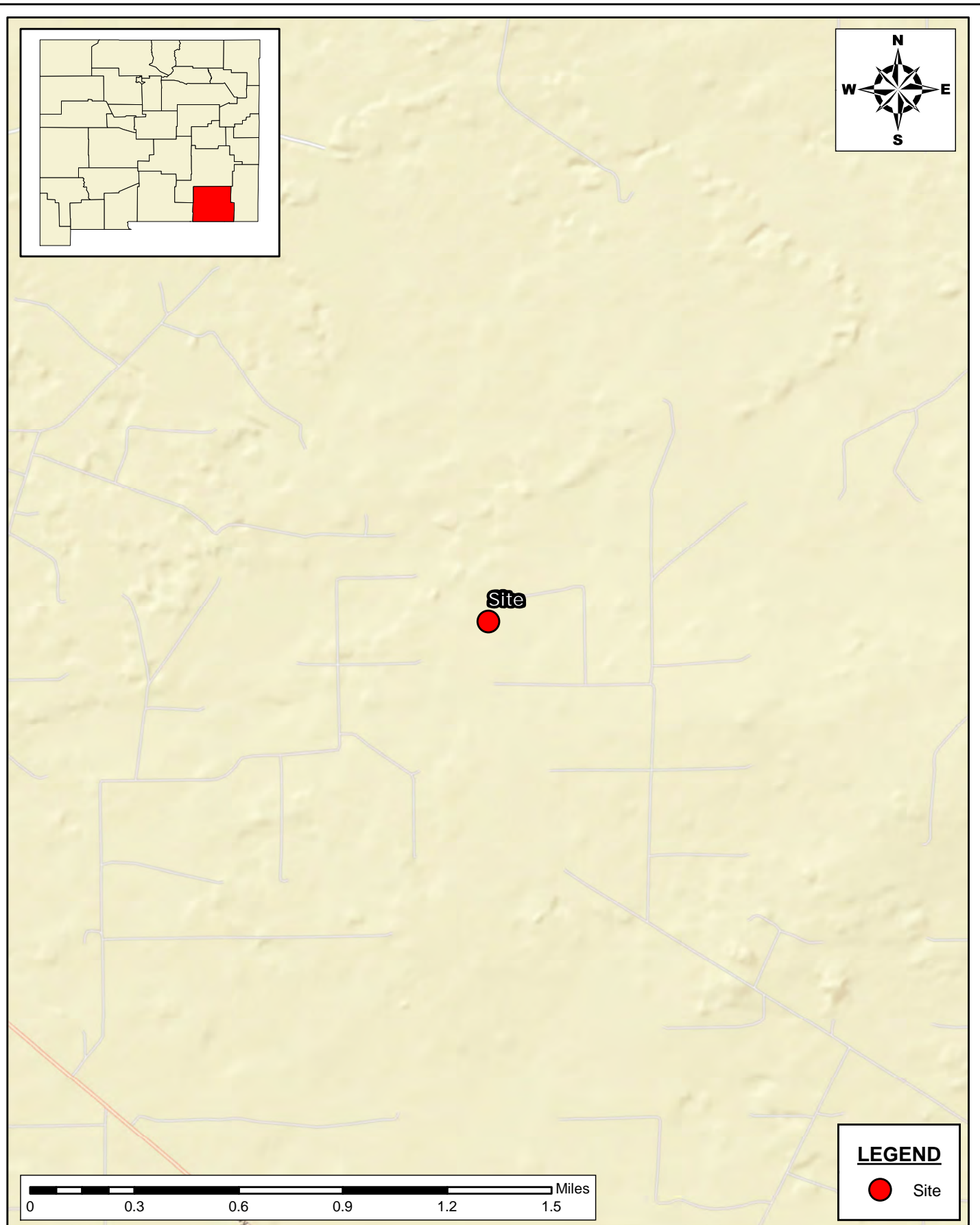
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

9. --- Not Analyzed

 Sample Point Excavated

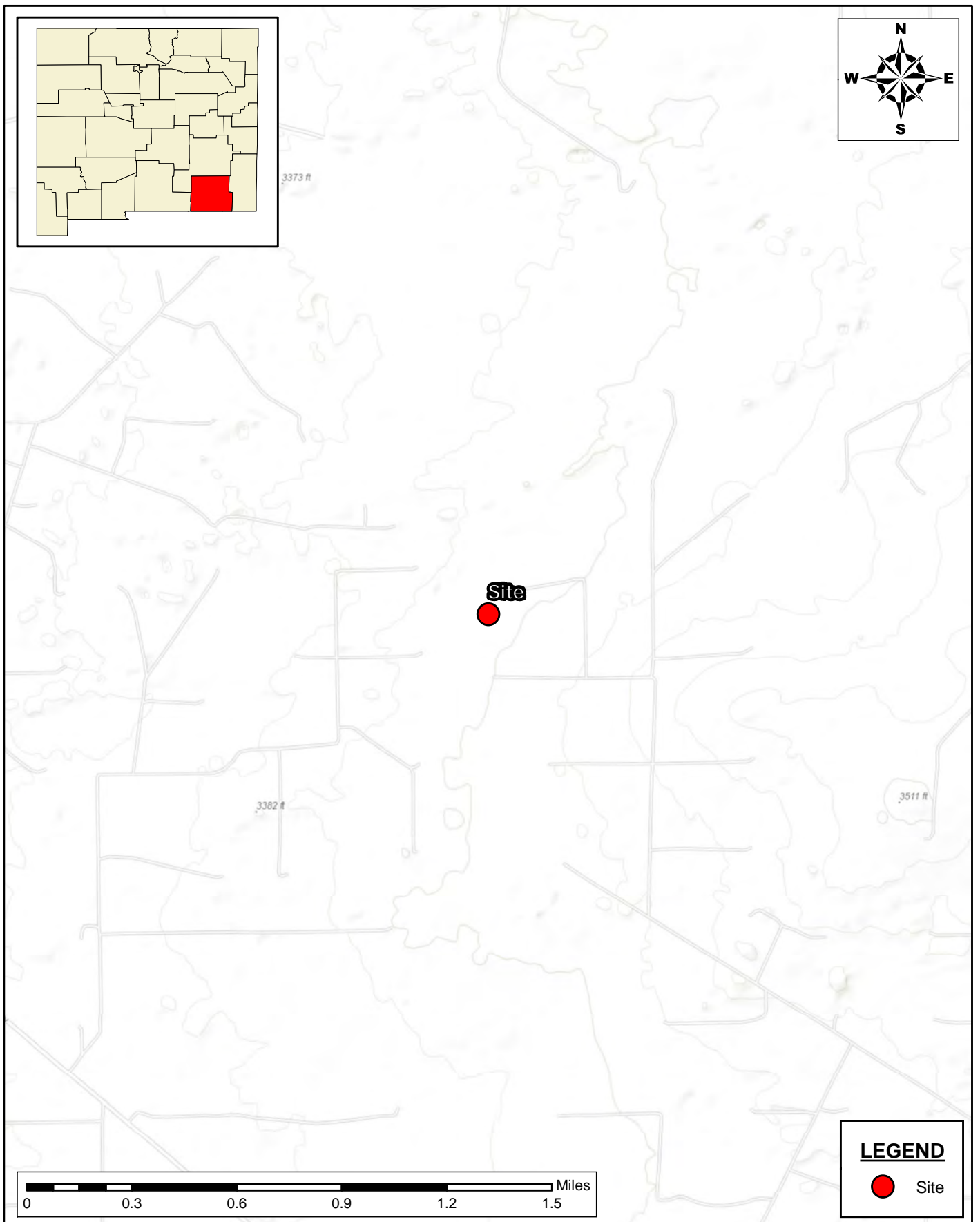
FIGURES

Document Path: P:\2022 PROJECTS\DEVON\NSC226004 - MALDIVES 15 CTB 1\7- Figures\GIS\Figure_1_SL.mxd



<p>SITE LOCATION MAP SITE CHARACTERIZATION AND REMEDIATION DEFERRAL REQUEST MALDIVES 15 CTB 1 DEVON ENERGY PRODUCTION COMPANY, LLC EDDY COUNTY, NEW MEXICO</p>			 <p>New Tech Global Environmental, LLC 911 Regional Park Drive Houston, Texas 77060 T - 281.872.9300 F - 281.872.4521 Web: www.ntgenvironmental.com</p>	<p>NOTES: 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983</p>	DRAWING NUMBER:		
					FIGURE 1		
SCALE: As Shown	Date: 8/18/2022	PROJECT #: 226004			SHEET NUMBER:		
			1 of 1				

Document Path: P:\2022 PROJECTS\DEVON\NSC226004 - MALDIVES 15 CTB 1\7- Figures\GIS\Figure_2_SL.mxd



TOPOGRAPHIC MAP
 SITE CHARACTERIZATION AND REMEDIATION DEFERRAL
 REQUEST
 MALDIVES 15 CTB 1
 DEVON ENERGY PRODUCTION COMPANY, LLC
 EDDY COUNTY, NEW MEXICO

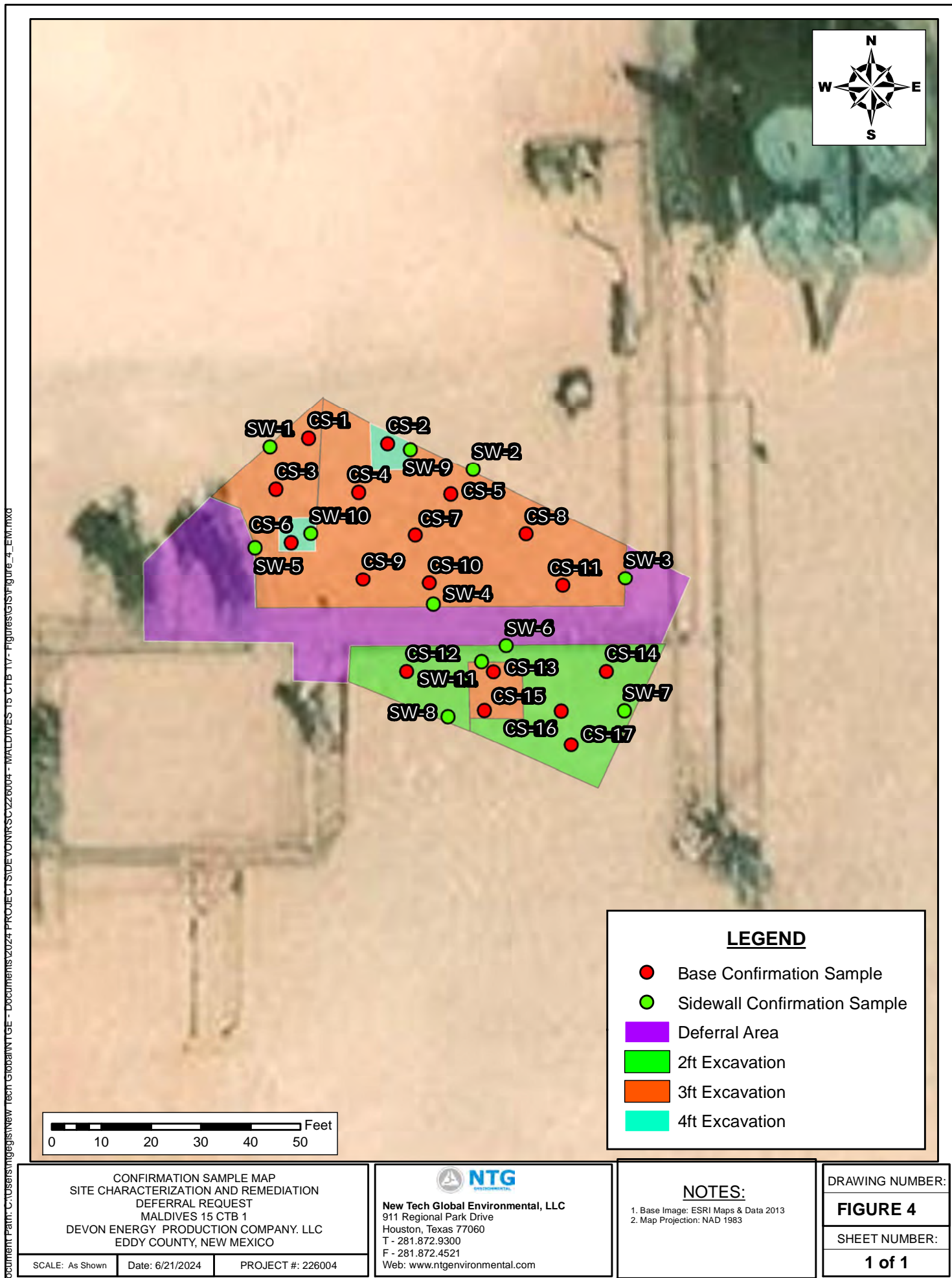
SCALE: As Shown Date: 8/10/2023 PROJECT #: 226004

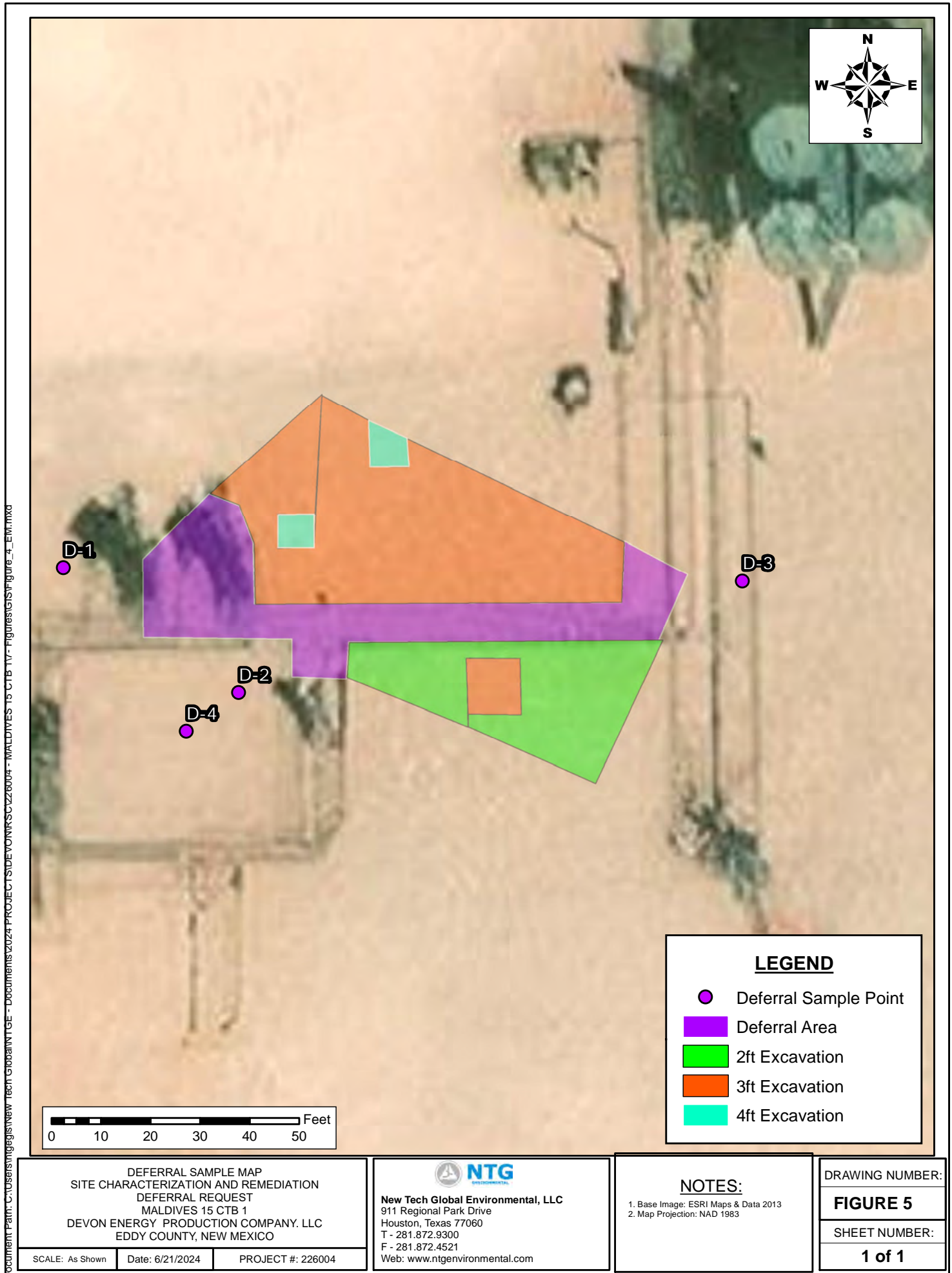
 **NTG**
 New Tech Global Environmental, LLC
 911 Regional Park Drive
 Houston, Texas 77060
 T - 281.872.9300
 F - 281.872.4521
 Web: www.ntgenviroinmental.com

NOTES:
 1. Base Image: ESRI Maps & Data 2013
 2. Map Projection: NAD 1983

DRAWING NUMBER:
FIGURE 2
 SHEET NUMBER:
1 of 1







PHOTOGRAPHIC LOG

PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 1

Facility: Maldives 15 CTB 1

County: Eddy County, New Mexico

Description:
Spill before excavation.

**Photograph No. 2**

Facility: Maldives 15 CTB 1

County: Eddy County, New Mexico

Description:
Spill before excavation.

**Photograph No. 3**

Facility: Maldives 15 CTB 1

County: Eddy County, New Mexico

Description:
Spill before excavation.



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 4

Facility: Maldives 15 CTB 1

County: Eddy County, New Mexico

Description:
Spill before excavation.

**Photograph No. 5**

Facility: Maldives 15 CTB 1

County: Eddy County, New Mexico

Description:
Spill before excavation.

**Photograph No. 6**

Facility: Maldives 15 CTB 1

County: Eddy County, New Mexico

Description:
Spill before excavation.



PHOTOGRAPHIC LOG

Devon Energy Production Company

Photograph No. 7

Facility: Maldives 15 CTB 1

County: Eddy County, New Mexico

Description:
Area of Excavation.

**Photograph No. 8**

Facility: Maldives 15 CTB 1

County: Eddy County, New Mexico

Description:
Area of Excavation.

**Photograph No. 9**

Facility: Maldives 15 CTB 1

County: Eddy County, New Mexico

Description:
Area of Excavation.



PHOTOGRAPHIC LOG

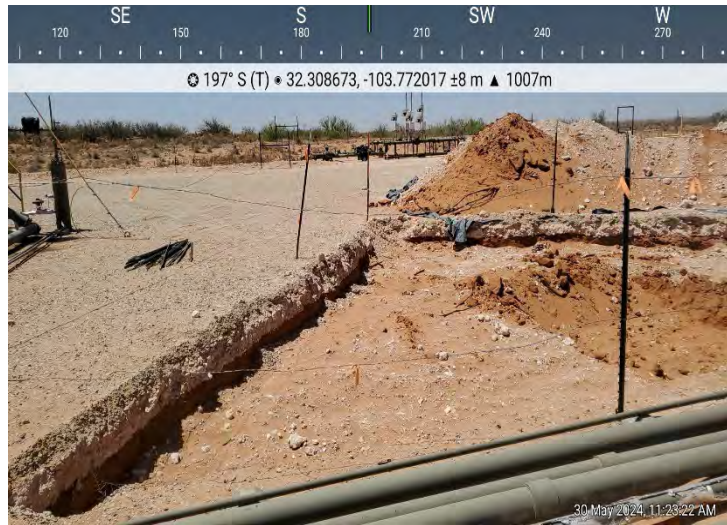
Devon Energy Production Company

Photograph No. 10

Facility: Maldives 15 CTB 1

County: Eddy County, New Mexico

Description:
Area of Excavation.

**Photograph No. 11**

Facility: Maldives 15 CTB 1

County: Eddy County, New Mexico

Description:
Area of Excavation.

**Photograph No. 12**

Facility: Maldives 15 CTB 1

County: Eddy County, New Mexico

Description:
Area of Excavation.



LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS



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

April 10, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MALDIVES 15 CTB

Enclosed are the results of analyses for samples received by the laboratory on 04/04/24 14:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 1 0-.5 (H241767-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/08/2024	ND	2.17	108	2.00	6.08	
Toluene*	<0.050	0.050	04/08/2024	ND	2.31	115	2.00	9.43	
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.41	120	2.00	10.6	
Total Xylenes*	<0.150	0.150	04/08/2024	ND	7.17	120	6.00	9.34	
Total BTEX	<0.300	0.300	04/08/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	04/09/2024	ND	432	108	400	0.00		

TPH 8015M	mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<100	100	04/09/2024	ND	182	91.2	200	3.62	
DRO >C10-C28*	13200	100	04/09/2024	ND	169	84.7	200	4.88	
EXT DRO >C28-C36	3760	100	04/09/2024	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 332 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 1 1-1.5 (H241767-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.17	108	2.00	6.08		
Toluene*	<0.050	0.050	04/08/2024	ND	2.31	115	2.00	9.43		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.41	120	2.00	10.6		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	7.17	120	6.00	9.34		
Total BTEX	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	15.6	10.0	04/08/2024	ND	182	91.2	200	3.62	
DRO >C10-C28*	6930	10.0	04/08/2024	ND	169	84.7	200	4.88	
EXT DRO >C28-C36	1450	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 1 2-2.5 (H241767-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.17	108	2.00	6.08		
Toluene*	<0.050	0.050	04/08/2024	ND	2.31	115	2.00	9.43		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.41	120	2.00	10.6		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	7.17	120	6.00	9.34		
Total BTEX	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	182	91.2	200	3.62	
DRO >C10-C28*	494	10.0	04/08/2024	ND	169	84.7	200	4.88	
EXT DRO >C28-C36	107	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 1 3-3.5 (H241767-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.17	108	2.00	6.08		
Toluene*	<0.050	0.050	04/08/2024	ND	2.31	115	2.00	9.43		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.41	120	2.00	10.6		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	7.17	120	6.00	9.34		
Total BTX	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	182	91.2	200	3.62	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	169	84.7	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.5 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 1 4-4.5 (H241767-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/08/2024	ND	2.20	110	2.00	5.98		
Toluene*	<0.050	0.050	04/08/2024	ND	2.15	108	2.00	0.929		
Ethylbenzene*	<0.050	0.050	04/08/2024	ND	2.15	108	2.00	0.471		
Total Xylenes*	<0.150	0.150	04/08/2024	ND	6.47	108	6.00	1.02		
Total BTEX	<0.300	0.300	04/08/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	182	91.2	200	3.62	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	169	84.7	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 2 0-.5 (H241767-06)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98		
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02		
Total BTEX	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	04/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<100	100	04/09/2024	ND	182	91.2	200	3.62		
DRO >C10-C28*	12600	100	04/09/2024	ND	169	84.7	200	4.88		
EXT DRO >C28-C36	3270	100	04/09/2024	ND						

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 318 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 2 1-1.5 (H241767-07)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98	
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929	
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471	
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02	
Total BTEx	<0.300	0.300	04/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/09/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	182	91.2	200	3.62	
DRO >C10-C28*	6380	10.0	04/08/2024	ND	169	84.7	200	4.88	
EXT DRO >C28-C36	1330	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 80.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 2 2-2.5 (H241767-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98	
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929	
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471	
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02	
Total BTEX	<0.300	0.300	04/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	04/09/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	182	91.2	200	3.62	
DRO >C10-C28*	338	10.0	04/08/2024	ND	169	84.7	200	4.88	
EXT DRO >C28-C36	79.8	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 2 3-3.5 (H241767-09)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98	
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929	
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471	
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02	
Total BTX	<0.300	0.300	04/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/09/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	182	91.2	200	3.62	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	169	84.7	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 81.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.8 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 2 4-4.5 (H241767-10)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98		
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02		
Total BTEX	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	182	91.2	200	3.62	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	169	84.7	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 3 0-.5 (H241767-11)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98	
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929	
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471	
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02	
Total BTEx	<0.300	0.300	04/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	182	91.2	200	3.62	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	169	84.7	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 78.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 3 1-1.5 (H241767-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98		
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02		
Total BTEX	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	182	91.2	200	3.62	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	169	84.7	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 87.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 3 2-2.5 (H241767-13)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98	
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929	
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471	
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02	
Total BTEX	<0.300	0.300	04/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	04/09/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	182	91.2	200	3.62	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	169	84.7	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 4 0-.5 (H241767-14)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98		
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02		
Total BTEx	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	04/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<100	100	04/09/2024	ND	182	91.2	200	3.62		
DRO >C10-C28*	18400	100	04/09/2024	ND	169	84.7	200	4.88		
EXT DRO >C28-C36	4050	100	04/09/2024	ND						

Surrogate: 1-Chlorooctane 96.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 409 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 4 1-1.5 (H241767-15)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98	
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929	
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471	
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02	
Total BTX	<0.300	0.300	04/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/09/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	182	91.2	200	3.62	
DRO >C10-C28*	329	10.0	04/08/2024	ND	169	84.7	200	4.88	
EXT DRO >C28-C36	66.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 84.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 4 2-2.5 (H241767-16)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98	
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929	
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471	
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02	
Total BTEx	<0.300	0.300	04/09/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/09/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	182	91.2	200	3.62	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	169	84.7	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 4 3-3.5 (H241767-17)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98		
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02		
Total BTEX	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 125 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/09/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	182	91.2	200	3.62	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	169	84.7	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: S - 4 4-4.5 (H241767-18)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98		
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02		
Total BTEX	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/09/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	182	91.2	200	3.62	
DRO >C10-C28*	23.1	10.0	04/08/2024	ND	169	84.7	200	4.88	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: H - 1 0-.5 (H241767-19)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98		
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02		
Total BTEx	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/09/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	182	91.2	200	3.62	
DRO >C10-C28*	5820	10.0	04/08/2024	ND	169	84.7	200	4.88	
EXT DRO >C28-C36	1610	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: H - 2 1-1.5 (H241767-20)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98		
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02		
Total BTEX	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	04/09/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	185	92.5	200	3.10	
DRO >C10-C28*	308	10.0	04/08/2024	ND	182	90.8	200	1.13	QM-07, QR-03
EXT DRO >C28-C36	131	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 55.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: H - 3 0-.5 (H241767-21)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98		
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02		
Total BTEx	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	04/09/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	185	92.5	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	182	90.8	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 80.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: H - 4 0-.5 (H241767-22)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98		
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02		
Total BTEx	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	04/09/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	185	92.5	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	182	90.8	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: H - 5 0-.5 (H241767-23)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98		
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02		
Total BTEX	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	04/09/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	185	92.5	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	182	90.8	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2024
 Reported: 04/10/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 04/04/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Dionica Hinojos

Sample ID: H - 6 0-.5 (H241767-24)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/09/2024	ND	2.20	110	2.00	5.98		
Toluene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.929		
Ethylbenzene*	<0.050	0.050	04/09/2024	ND	2.15	108	2.00	0.471		
Total Xylenes*	<0.150	0.150	04/09/2024	ND	6.47	108	6.00	1.02		
Total BTEx	<0.300	0.300	04/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/09/2024	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/08/2024	ND	185	92.5	200	3.10	
DRO >C10-C28*	<10.0	10.0	04/08/2024	ND	182	90.8	200	1.13	
EXT DRO >C28-C36	<10.0	10.0	04/08/2024	ND					

Surrogate: 1-Chlorooctane 68.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.3 % 49.1-148

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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



ANALYSIS REQUEST

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]



Page 29 of 29



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

May 20, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MALDIVES 15 CTB

Enclosed are the results of analyses for samples received by the laboratory on 05/16/24 12:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 1 (H242711-01)

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.16	108	2.00	8.20	
Toluene*	<0.050	0.050	05/17/2024	ND	2.19	110	2.00	7.54	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.15	108	2.00	6.94	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.60	110	6.00	6.48	
Total BTEX	<0.300	0.300	05/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	05/17/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	938	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	228	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 88.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 2 (H242711-02)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2024	ND	2.16	108	2.00	8.20		
Toluene*	<0.050	0.050	05/17/2024	ND	2.19	110	2.00	7.54		
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.15	108	2.00	6.94		
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.60	110	6.00	6.48		
Total BTEx	<0.300	0.300	05/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/17/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	1520	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	383	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 3 (H242711-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2024	ND	2.16	108	2.00	8.20		
Toluene*	<0.050	0.050	05/17/2024	ND	2.19	110	2.00	7.54		
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.15	108	2.00	6.94		
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.60	110	6.00	6.48		
Total BTEx	<0.300	0.300	05/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	05/17/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	705	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	191	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 83.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 4 (H242711-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2024	ND	2.16	108	2.00	8.20		
Toluene*	<0.050	0.050	05/17/2024	ND	2.19	110	2.00	7.54		
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.15	108	2.00	6.94		
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.60	110	6.00	6.48		
Total BTEx	<0.300	0.300	05/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/17/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	674	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	173	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 5 (H242711-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2024	ND	2.16	108	2.00	8.20		
Toluene*	<0.050	0.050	05/17/2024	ND	2.19	110	2.00	7.54		
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.15	108	2.00	6.94		
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.60	110	6.00	6.48		
Total BTEx	<0.300	0.300	05/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	05/17/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	746	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	192	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 6 (H242711-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2024	ND	2.16	108	2.00	8.20		
Toluene*	<0.050	0.050	05/17/2024	ND	2.19	110	2.00	7.54		
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.15	108	2.00	6.94		
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.60	110	6.00	6.48		
Total BTEX	<0.300	0.300	05/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	05/17/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	1440	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	398	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 7 (H242711-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2024	ND	2.16	108	2.00	8.20		
Toluene*	<0.050	0.050	05/17/2024	ND	2.19	110	2.00	7.54		
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.15	108	2.00	6.94		
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.60	110	6.00	6.48		
Total BTEX	<0.300	0.300	05/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/17/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	103	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	28.2	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 8 (H242711-08)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2024	ND	2.16	108	2.00	8.20		
Toluene*	<0.050	0.050	05/17/2024	ND	2.19	110	2.00	7.54		
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.15	108	2.00	6.94		
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.60	110	6.00	6.48		
Total BTEX	<0.300	0.300	05/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/17/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 9 (H242711-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/17/2024	ND	2.16	108	2.00	8.20		
Toluene*	<0.050	0.050	05/17/2024	ND	2.19	110	2.00	7.54		
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.15	108	2.00	6.94		
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.60	110	6.00	6.48		
Total BTEx	<0.300	0.300	05/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/17/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 94.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 10 (H242711-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.16	108	2.00	8.20	
Toluene*	<0.050	0.050	05/17/2024	ND	2.19	110	2.00	7.54	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.15	108	2.00	6.94	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.60	110	6.00	6.48	
Total BTEX	<0.300	0.300	05/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/17/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	319	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	99.1	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 11 (H242711-11)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/20/2024	ND	2.16	108	2.00	8.20	
Toluene*	<0.050	0.050	05/20/2024	ND	2.19	110	2.00	7.54	
Ethylbenzene*	<0.050	0.050	05/20/2024	ND	2.15	108	2.00	6.94	
Total Xylenes*	<0.150	0.150	05/20/2024	ND	6.60	110	6.00	6.48	
Total BTEx	<0.300	0.300	05/20/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/17/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 12 (H242711-12)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	2.16	108	2.00	8.20	
Toluene*	<0.050	0.050	05/18/2024	ND	2.19	110	2.00	7.54	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	2.15	108	2.00	6.94	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.60	110	6.00	6.48	
Total BTEX	<0.300	0.300	05/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	05/17/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	73.9	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	17.1	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 13 (H242711-13)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	2.16	108	2.00	8.20	
Toluene*	<0.050	0.050	05/18/2024	ND	2.19	110	2.00	7.54	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	2.15	108	2.00	6.94	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.60	110	6.00	6.48	
Total BTEX	<0.300	0.300	05/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/17/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	1510	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	425	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 14 (H242711-14)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	2.16	108	2.00	8.20	
Toluene*	<0.050	0.050	05/18/2024	ND	2.19	110	2.00	7.54	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	2.15	108	2.00	6.94	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.60	110	6.00	6.48	
Total BTEX	<0.300	0.300	05/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/17/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	954	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	268	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 15 (H242711-15)

BTEX 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2024	ND	2.16	108	2.00	8.20		
Toluene*	<0.050	0.050	05/18/2024	ND	2.19	110	2.00	7.54		
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	2.15	108	2.00	6.94		
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.60	110	6.00	6.48		
Total BTEX	<0.300	0.300	05/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	05/20/2024	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	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	1940	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	574	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 78.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 16 (H242711-16)

BTEx 8021B		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	05/18/2024	ND	2.16	108	2.00	8.20		
Toluene*	<0.050	0.050	05/18/2024	ND	2.19	110	2.00	7.54		
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	2.15	108	2.00	6.94		
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.60	110	6.00	6.48		
Total BTEx	<0.300	0.300	05/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/20/2024	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	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	88.8	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	31.7	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 90.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 17 (H242711-17)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	2.16	108	2.00	8.20	
Toluene*	<0.050	0.050	05/18/2024	ND	2.19	110	2.00	7.54	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	2.15	108	2.00	6.94	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.60	110	6.00	6.48	
Total BTEX	<0.300	0.300	05/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	05/20/2024	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	05/17/2024	ND	179	89.3	200	1.43	
DRO >C10-C28*	1090	10.0	05/17/2024	ND	168	83.8	200	0.694	
EXT DRO >C28-C36	377	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 1 (H242711-18)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	2.16	108	2.00	8.20	
Toluene*	<0.050	0.050	05/18/2024	ND	2.19	110	2.00	7.54	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	2.15	108	2.00	6.94	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.60	110	6.00	6.48	
Total BTEX	<0.300	0.300	05/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	05/20/2024	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	05/17/2024	ND	174	87.0	200	0.236	
DRO >C10-C28*	132	10.0	05/17/2024	ND	169	84.4	200	2.55	
EXT DRO >C28-C36	27.2	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 2 (H242711-19)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	2.16	108	2.00	8.20	
Toluene*	<0.050	0.050	05/18/2024	ND	2.19	110	2.00	7.54	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	2.15	108	2.00	6.94	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.60	110	6.00	6.48	
Total BTEX	<0.300	0.300	05/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	05/20/2024	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	05/17/2024	ND	174	87.0	200	0.236	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.4	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 3 (H242711-20)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/18/2024	ND	2.16	108	2.00	8.20	
Toluene*	<0.050	0.050	05/18/2024	ND	2.19	110	2.00	7.54	
Ethylbenzene*	<0.050	0.050	05/18/2024	ND	2.15	108	2.00	6.94	
Total Xylenes*	<0.150	0.150	05/18/2024	ND	6.60	110	6.00	6.48	
Total BTEX	<0.300	0.300	05/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	05/20/2024	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	05/17/2024	ND	174	87.0	200	0.236	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.4	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 4 (H242711-21)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.10	105	2.00	1.96	
Toluene*	<0.050	0.050	05/17/2024	ND	2.14	107	2.00	7.69	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.20	110	2.00	7.98	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.49	108	6.00	7.81	
Total BTX	<0.300	0.300	05/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	05/20/2024	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	05/17/2024	ND	174	87.0	200	0.236	
DRO >C10-C28*	29.4	10.0	05/17/2024	ND	169	84.4	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 96.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 5 (H242711-22)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.10	105	2.00	1.96	
Toluene*	<0.050	0.050	05/17/2024	ND	2.14	107	2.00	7.69	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.20	110	2.00	7.98	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.49	108	6.00	7.81	
Total BTEX	<0.300	0.300	05/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	05/20/2024	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	05/17/2024	ND	174	87.0	200	0.236	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.4	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 6 (H242711-23)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.10	105	2.00	1.96	
Toluene*	<0.050	0.050	05/17/2024	ND	2.14	107	2.00	7.69	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.20	110	2.00	7.98	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.49	108	6.00	7.81	
Total BTEX	<0.300	0.300	05/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	05/20/2024	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	05/17/2024	ND	174	87.0	200	0.236	
DRO >C10-C28*	409	10.0	05/17/2024	ND	169	84.4	200	2.55	
EXT DRO >C28-C36	188	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 7 (H242711-24)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.10	105	2.00	1.96	
Toluene*	<0.050	0.050	05/17/2024	ND	2.14	107	2.00	7.69	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.20	110	2.00	7.98	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.49	108	6.00	7.81	
Total BTEX	<0.300	0.300	05/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	05/20/2024	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	05/17/2024	ND	174	87.0	200	0.236	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.4	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/16/2024
 Reported: 05/20/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/16/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 8 (H242711-25)

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/17/2024	ND	2.10	105	2.00	1.96	
Toluene*	<0.050	0.050	05/17/2024	ND	2.14	107	2.00	7.69	
Ethylbenzene*	<0.050	0.050	05/17/2024	ND	2.20	110	2.00	7.98	
Total Xylenes*	<0.150	0.150	05/17/2024	ND	6.49	108	6.00	7.81	
Total BTEX	<0.300	0.300	05/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	05/20/2024	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	05/17/2024	ND	174	87.0	200	0.236	
DRO >C10-C28*	<10.0	10.0	05/17/2024	ND	169	84.4	200	2.55	
EXT DRO >C28-C36	<10.0	10.0	05/17/2024	ND					

Surrogate: 1-Chlorooctane 97.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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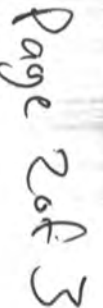
A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



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

Page 28 of 30



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 29 of 30



Page 3 of 3

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]

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

June 21, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MALDIVES 15 CTB

Enclosed are the results of analyses for samples received by the laboratory on 05/30/24 12:57.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accredited 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)

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



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:04

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS-2	H243024-01	Soil	30-May-24 11:20	30-May-24 12:57
CS-6	H243024-02	Soil	30-May-24 11:20	30-May-24 12:57
CS-13	H243024-03	Soil	30-May-24 11:20	30-May-24 12:57
CS-15	H243024-04	Soil	30-May-24 11:20	30-May-24 12:57
SW-1A	H243024-05	Soil	30-May-24 11:20	30-May-24 12:57
SW-9	H243024-06	Soil	30-May-24 11:20	30-May-24 12:57
SW-10	H243024-07	Soil	30-May-24 11:20	30-May-24 12:57
SW-11	H243024-08	Soil	30-May-24 11:20	30-May-24 12:57

06/21/24 - Client revised sample IDs (see COC). This is the revised report and will replace the one sent on 06/03/24.

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:04

CS-2**H243024-01 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	128		16.0	mg/kg	4	4053129	CT	31-May-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Toluene*	<0.050	0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	4053035	JH	30-May-24	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	4053035	JH	30-May-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	107 %	71.5-134	4053035	JH	30-May-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4052943	MS	30-May-24	8015B	
DRO >C10-C28*	60.1	10.0	mg/kg	1	4052943	MS	30-May-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4052943	MS	30-May-24	8015B	

Surrogate: 1-Chlorooctane	74.7 %	48.2-134	4052943	MS	30-May-24	8015B	
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Surrogate: 1-Chlorooctadecane	68.0 %	49.1-148	4052943	MS	30-May-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:04

CS-6**H243024-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	4053129	CT	31-May-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4053035	JH	30-May-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4053035	JH	30-May-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4053035	JH	30-May-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4052943	MS	30-May-24	8015B	
DRO >C10-C28*	17.3		10.0	mg/kg	1	4052943	MS	30-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4052943	MS	30-May-24	8015B	

Surrogate: 1-Chlorooctane			85.3 %	48.2-134		4052943	MS	30-May-24	8015B	
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Surrogate: 1-Chlorooctadecane			77.1 %	49.1-148		4052943	MS	30-May-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:04

CS-13
H243024-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	4053129	CT	31-May-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4053035	JH	30-May-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4053035	JH	30-May-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %	71.5-134		4053035	JH	30-May-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053037	MS	30-May-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053037	MS	30-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053037	MS	30-May-24	8015B	

Surrogate: 1-Chlorooctane			99.4 %	48.2-134		4053037	MS	30-May-24	8015B	
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Surrogate: 1-Chlorooctadecane			107 %	49.1-148		4053037	MS	30-May-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:04

CS-15
H243024-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	4053129	CT	31-May-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4053035	JH	30-May-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4053035	JH	30-May-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %		71.5-134	4053035	JH	30-May-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053037	MS	30-May-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053037	MS	30-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053037	MS	30-May-24	8015B	

Surrogate: 1-Chlorooctane			99.0 %		48.2-134	4053037	MS	30-May-24	8015B	
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Surrogate: 1-Chlorooctadecane			107 %		49.1-148	4053037	MS	30-May-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:04

SW-1A**H243024-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	4053129	CT	31-May-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4053035	JH	30-May-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4053035	JH	30-May-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %		71.5-134	4053035	JH	30-May-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053037	MS	30-May-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053037	MS	30-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053037	MS	30-May-24	8015B	

Surrogate: 1-Chlorooctane			96.7 %		48.2-134	4053037	MS	30-May-24	8015B	
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Surrogate: 1-Chlorooctadecane			103 %		49.1-148	4053037	MS	30-May-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:04

SW-9**H243024-06 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	4053129	CT	31-May-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4053035	JH	30-May-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4053035	JH	30-May-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %		71.5-134	4053035	JH	30-May-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053037	MS	31-May-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053037	MS	31-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053037	MS	31-May-24	8015B	

Surrogate: 1-Chlorooctane			92.2 %		48.2-134	4053037	MS	31-May-24	8015B	
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Surrogate: 1-Chlorooctadecane			98.3 %		49.1-148	4053037	MS	31-May-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:04

SW-10**H243024-07 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	4053129	CT	31-May-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4053035	JH	30-May-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4053035	JH	30-May-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %	71.5-134		4053035	JH	30-May-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053037	MS	31-May-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053037	MS	31-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053037	MS	31-May-24	8015B	

Surrogate: 1-Chlorooctane			80.8 %	48.2-134		4053037	MS	31-May-24	8015B	
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Surrogate: 1-Chlorooctadecane			87.1 %	49.1-148		4053037	MS	31-May-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:04

SW-11**H243024-08 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	32.0		16.0	mg/kg	4	4053129	CT	31-May-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4053035	JH	30-May-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4053035	JH	30-May-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4053035	JH	30-May-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			106 %		71.5-134	4053035	JH	30-May-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4053037	MS	31-May-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4053037	MS	31-May-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4053037	MS	31-May-24	8015B	

Surrogate: 1-Chlorooctane			91.3 %		48.2-134	4053037	MS	31-May-24	8015B	
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Surrogate: 1-Chlorooctadecane			97.0 %		49.1-148	4053037	MS	31-May-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:04

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
Batch 4053129 - 1:4 DI Water									
Blank (4053129-BLK1)									
Chloride	ND	16.0	mg/kg						Prepared & Analyzed: 31-May-24
LCS (4053129-BS1)									
Chloride	416	16.0	mg/kg	400		104	80-120		Prepared & Analyzed: 31-May-24
LCS Dup (4053129-BSD1)									
Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:04

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4053035 - Volatiles**Blank (4053035-BLK1)**

Prepared & Analyzed: 30-May-24

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)	0.0531		mg/kg	0.0500		106	71.5-134			

LCS (4053035-BS1)

Prepared & Analyzed: 30-May-24

Benzene	1.80	0.050	mg/kg	2.00		90.1	82.8-130			
Toluene	1.94	0.050	mg/kg	2.00		96.9	86-128			
Ethylbenzene	1.95	0.050	mg/kg	2.00		97.5	85.9-128			
m,p-Xylene	4.08	0.100	mg/kg	4.00		102	89-129			
o-Xylene	1.93	0.050	mg/kg	2.00		96.7	86.1-125			
Total Xylenes	6.01	0.150	mg/kg	6.00		100	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0524		mg/kg	0.0500		105	71.5-134			

LCS Dup (4053035-BS1)

Prepared & Analyzed: 30-May-24

Benzene	1.89	0.050	mg/kg	2.00		94.7	82.8-130	5.00	15.8	
Toluene	2.02	0.050	mg/kg	2.00		101	86-128	4.38	15.9	
Ethylbenzene	2.03	0.050	mg/kg	2.00		101	85.9-128	3.89	16	
m,p-Xylene	4.23	0.100	mg/kg	4.00		106	89-129	3.77	16.2	
o-Xylene	2.01	0.050	mg/kg	2.00		100	86.1-125	3.84	16.7	
Total Xylenes	6.24	0.150	mg/kg	6.00		104	88.2-128	3.79	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0517		mg/kg	0.0500		103	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:04

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

Batch 4052943 - General Prep - Organics**Blank (4052943-BLK1)**

Prepared: 29-May-24 Analyzed: 30-May-24

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	46.9		mg/kg	50.0		93.7	48.2-134		
Surrogate: 1-Chlorooctadecane	44.3		mg/kg	50.0		88.6	49.1-148		

LCS (4052943-BS1)

Prepared: 29-May-24 Analyzed: 30-May-24

GRO C6-C10	215	10.0	mg/kg	200		108	66.4-123		
DRO >C10-C28	216	10.0	mg/kg	200		108	66.5-118		
Total TPH C6-C28	431	10.0	mg/kg	400		108	77.6-123		
Surrogate: 1-Chlorooctane	51.5		mg/kg	50.0		103	48.2-134		
Surrogate: 1-Chlorooctadecane	48.1		mg/kg	50.0		96.2	49.1-148		

LCS Dup (4052943-BS1)

Prepared: 29-May-24 Analyzed: 30-May-24

GRO C6-C10	219	10.0	mg/kg	200		109	66.4-123	1.64	17.7
DRO >C10-C28	216	10.0	mg/kg	200		108	66.5-118	0.165	21
Total TPH C6-C28	435	10.0	mg/kg	400		109	77.6-123	0.904	18.5
Surrogate: 1-Chlorooctane	51.9		mg/kg	50.0		104	48.2-134		
Surrogate: 1-Chlorooctadecane	48.6		mg/kg	50.0		97.2	49.1-148		

Batch 4053037 - General Prep - Organics**Blank (4053037-BLK1)**

Prepared & Analyzed: 30-May-24

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	41.3		mg/kg	50.0		82.6	48.2-134		
Surrogate: 1-Chlorooctadecane	45.9		mg/kg	50.0		91.8	49.1-148		

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:04

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
---------	--------	--------------------	-------	----------------	------------------	----------------	-----	--------------	-------

Batch 4053037 - General Prep - Organics**LCS (4053037-BS1)**

Prepared & Analyzed: 30-May-24

GRO C6-C10	198	10.0	mg/kg	200		99.2	66.4-123		
DRO >C10-C28	194	10.0	mg/kg	200		97.2	66.5-118		
Total TPH C6-C28	393	10.0	mg/kg	400		98.2	77.6-123		
Surrogate: 1-Chlorooctane	45.0		mg/kg	50.0		90.1	48.2-134		
Surrogate: 1-Chlorooctadecane	46.1		mg/kg	50.0		92.2	49.1-148		

LCS Dup (4053037-BS1)

Prepared & Analyzed: 30-May-24

GRO C6-C10	194	10.0	mg/kg	200		96.9	66.4-123	2.38	17.7
DRO >C10-C28	166	10.0	mg/kg	200		83.2	66.5-118	15.5	21
Total TPH C6-C28	360	10.0	mg/kg	400		90.0	77.6-123	8.64	18.5
Surrogate: 1-Chlorooctane	45.4		mg/kg	50.0		90.9	48.2-134		
Surrogate: 1-Chlorooctadecane	46.9		mg/kg	50.0		93.9	49.1-148		

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

June 04, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MALDIVES 15 CTB

Enclosed are the results of analyses for samples received by the laboratory on 05/30/24 12:57.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/30/2024
 Reported: 06/04/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: DS-2 1-1.5 (H243025-01)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2024	ND	1.89	94.7	2.00	5.81	
Toluene*	<0.050	0.050	05/31/2024	ND	1.85	92.6	2.00	5.97	
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	1.91	95.4	2.00	6.21	
Total Xylenes*	<0.150	0.150	05/31/2024	ND	5.72	95.3	6.00	5.86	
Total BTEX	<0.300	0.300	05/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	16.0	16.0	06/03/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2024	ND	190	95.0	200	0.861	
DRO >C10-C28*	<10.0	10.0	05/31/2024	ND	208	104	200	7.53	
EXT DRO >C28-C36	<10.0	10.0	05/31/2024	ND					

Surrogate: 1-Chlorooctane 81.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.1 % 49.1-148

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



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/30/2024
 Reported: 06/04/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: DS-2 2-2.5 (H243025-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2024	ND	1.95	97.5	2.00	0.315	
Toluene*	<0.050	0.050	05/31/2024	ND	2.06	103	2.00	0.453	
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	2.06	103	2.00	0.651	
Total Xylenes*	<0.150	0.150	05/31/2024	ND	6.34	106	6.00	0.370	
Total BTEX	<0.300	0.300	05/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	06/03/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2024	ND	190	95.0	200	0.861	
DRO >C10-C28*	<10.0	10.0	05/31/2024	ND	208	104	200	7.53	
EXT DRO >C28-C36	<10.0	10.0	05/31/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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



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

Analytical Results For:

NTG ENVIRONMENTAL
 ETHAN SESSUMS
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 05/30/2024
 Reported: 06/04/2024
 Project Name: MALDIVES 15 CTB
 Project Number: 226004
 Project Location: DEVON - LEA CO., NM

Sampling Date: 05/30/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: DS-4 (H243025-03)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	05/31/2024	ND	1.95	97.5	2.00	0.315	
Toluene*	<0.050	0.050	05/31/2024	ND	2.06	103	2.00	0.453	
Ethylbenzene*	<0.050	0.050	05/31/2024	ND	2.06	103	2.00	0.651	
Total Xylenes*	<0.150	0.150	05/31/2024	ND	6.34	106	6.00	0.370	
Total BTX	<0.300	0.300	05/31/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	16.0	16.0	06/03/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/31/2024	ND	190	95.0	200	0.861	
DRO >C10-C28*	<10.0	10.0	05/31/2024	ND	208	104	200	7.53	
EXT DRO >C28-C36	<10.0	10.0	05/31/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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



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Notes and Definitions

- QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- ** Samples not received at proper temperature of 6°C or below.
- *** Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

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

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

[illegible]

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

June 21, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: MALDIVES 15 CTB

Enclosed are the results of analyses for samples received by the laboratory on 06/04/24 10:55.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 accredited 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)

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



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:08

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 1	H243130-01	Soil	04-Jun-24 09:30	04-Jun-24 10:55
CS - 3	H243130-02	Soil	04-Jun-24 09:30	04-Jun-24 10:55
CS - 4	H243130-03	Soil	04-Jun-24 09:30	04-Jun-24 10:55
CS - 5	H243130-04	Soil	04-Jun-24 09:30	04-Jun-24 10:55
CS - 7	H243130-05	Soil	04-Jun-24 09:30	04-Jun-24 10:55
CS - 10	H243130-06	Soil	04-Jun-24 09:30	04-Jun-24 10:55
CS - 14	H243130-07	Soil	04-Jun-24 09:30	04-Jun-24 10:55
CS - 16	H243130-08	Soil	04-Jun-24 09:30	04-Jun-24 10:55
CS - 17	H243130-09	Soil	04-Jun-24 09:30	04-Jun-24 10:55

06/21/24 - Client made sampe ID changes (see COC). This is the revised report and will replace the one sent on 06/05/24.

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:08

CS - 1
H243130-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	16.0		16.0	mg/kg	4	4060512	AC	05-Jun-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4060321	JH	04-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			89.4 %	71.5-134		4060321	JH	04-Jun-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060406	MS	04-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060406	MS	04-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060406	MS	04-Jun-24	8015B	

Surrogate: 1-Chlorooctane			95.8 %	48.2-134		4060406	MS	04-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			118 %	49.1-148		4060406	MS	04-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:08

CS - 3**H243130-02 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	4060512	AC	05-Jun-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4060321	JH	04-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			90.2 %	71.5-134		4060321	JH	04-Jun-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	

Surrogate: 1-Chlorooctane			81.8 %	48.2-134		4060420	MS	04-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			79.9 %	49.1-148		4060420	MS	04-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:08

CS - 4
H243130-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	4060512	AC	05-Jun-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4060321	JH	04-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			89.5 %	71.5-134		4060321	JH	04-Jun-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	

Surrogate: 1-Chlorooctane			85.4 %	48.2-134		4060420	MS	04-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			83.9 %	49.1-148		4060420	MS	04-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:08

CS - 5
H243130-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	4060512	AC	05-Jun-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4060321	JH	04-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			90.9 %		71.5-134	4060321	JH	04-Jun-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	

Surrogate: 1-Chlorooctane			85.2 %		48.2-134	4060420	MS	04-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			84.8 %		49.1-148	4060420	MS	04-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:08

CS - 7**H243130-05 (Soil)**

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	4060512	AC	05-Jun-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4060321	JH	04-Jun-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4060321	JH	04-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 90.2 % 71.5-134 4060321 JH 04-Jun-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	
EXT DRO >C28-C36	13.4		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	

Surrogate: 1-Chlorooctane 86.3 % 48.2-134 4060420 MS 04-Jun-24 8015B

Surrogate: 1-Chlorooctadecane 86.0 % 49.1-148 4060420 MS 04-Jun-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:08

CS - 10
H243130-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	4060512	AC	05-Jun-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4060422	JH	04-Jun-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4060422	JH	04-Jun-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4060422	JH	04-Jun-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4060422	JH	04-Jun-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4060422	JH	04-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			107 %		71.5-134	4060422	JH	04-Jun-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	

Surrogate: 1-Chlorooctane			81.0 %		48.2-134	4060420	MS	04-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			80.8 %		49.1-148	4060420	MS	04-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:08

CS - 14
H243130-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	4060512	AC	05-Jun-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4060422	JH	04-Jun-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4060422	JH	04-Jun-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4060422	JH	04-Jun-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4060422	JH	04-Jun-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4060422	JH	04-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %		71.5-134	4060422	JH	04-Jun-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	

Surrogate: 1-Chlorooctane			81.7 %		48.2-134	4060420	MS	04-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			80.3 %		49.1-148	4060420	MS	04-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:08

CS - 16
H243130-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	4060512	AC	05-Jun-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4060422	JH	04-Jun-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4060422	JH	04-Jun-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4060422	JH	04-Jun-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4060422	JH	04-Jun-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4060422	JH	04-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %		71.5-134	4060422	JH	04-Jun-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	

Surrogate: 1-Chlorooctane			86.5 %		48.2-134	4060420	MS	04-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			86.6 %		49.1-148	4060420	MS	04-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:08

CS - 17
H243130-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	<16.0		16.0	mg/kg	4	4060512	AC	05-Jun-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4060422	JH	04-Jun-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4060422	JH	04-Jun-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4060422	JH	04-Jun-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4060422	JH	04-Jun-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4060422	JH	04-Jun-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			108 %		71.5-134	4060422	JH	04-Jun-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4060420	MS	04-Jun-24	8015B	

Surrogate: 1-Chlorooctane			84.5 %		48.2-134	4060420	MS	04-Jun-24	8015B	
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Surrogate: 1-Chlorooctadecane			83.8 %		49.1-148	4060420	MS	04-Jun-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL	Project: MALDIVES 15 CTB	Reported:
701 TRADEWINDS BLVD. SUITE C	Project Number: 226004	21-Jun-24 08:08
MIDLAND TX, 79706	Project Manager: ETHAN SESSUMS	
	Fax To:	

Inorganic Compounds - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Batch 4060512 - 1:4 DI Water										
Blank (4060512-BLK1)				Prepared & Analyzed: 05-Jun-24						
Chloride	ND	16.0	mg/kg							
LCS (4060512-BS1)				Prepared & Analyzed: 05-Jun-24						
Chloride	416	16.0	mg/kg	400		104	80-120			
LCS Dup (4060512-BSD1)				Prepared & Analyzed: 05-Jun-24						
Chloride	416	16.0	mg/kg	400		104	80-120	0.00	20	

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Celestine D. Keene

Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:08

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4060321 - Volatiles**Blank (4060321-BLK1)**

Prepared: 03-Jun-24 Analyzed: 04-Jun-24

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)	ND		mg/kg	0.0500		88.3	71.5-134			

LCS (4060321-BS1)

Prepared: 03-Jun-24 Analyzed: 04-Jun-24

Benzene	1.87	0.050	mg/kg	2.00		93.4	82.8-130			
Toluene	1.84	0.050	mg/kg	2.00		92.0	86-128			
Ethylbenzene	1.86	0.050	mg/kg	2.00		93.1	85.9-128			
m,p-Xylene	3.61	0.100	mg/kg	4.00		90.1	89-129			
o-Xylene	1.80	0.050	mg/kg	2.00		89.9	86.1-125			
Total Xylenes	5.40	0.150	mg/kg	6.00		90.1	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0451		mg/kg	0.0500		90.1	71.5-134			

LCS Dup (4060321-BSD1)

Prepared: 03-Jun-24 Analyzed: 04-Jun-24

Benzene	1.93	0.050	mg/kg	2.00		96.5	82.8-130	3.26	15.8	
Toluene	1.89	0.050	mg/kg	2.00		94.5	86-128	2.71	15.9	
Ethylbenzene	1.91	0.050	mg/kg	2.00		95.3	85.9-128	2.36	16	
m,p-Xylene	3.70	0.100	mg/kg	4.00		92.5	89-129	2.55	16.2	
o-Xylene	1.82	0.050	mg/kg	2.00		91.0	86.1-125	1.19	16.7	
Total Xylenes	5.52	0.150	mg/kg	6.00		92.0	88.2-128	2.10	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0448		mg/kg	0.0500		89.6	71.5-134			

Batch 4060422 - Volatiles**Blank (4060422-BLK1)**

Prepared & Analyzed: 04-Jun-24

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							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:08

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4060422 - Volatiles**Blank (4060422-BLK1)**

Prepared & Analyzed: 04-Jun-24

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0541		mg/kg	0.0500		108	71.5-134			

LCS (4060422-BS1)

Prepared & Analyzed: 04-Jun-24

Benzene	2.06	0.050	mg/kg	2.00		103	82.8-130			
Toluene	2.21	0.050	mg/kg	2.00		111	86-128			
Ethylbenzene	2.23	0.050	mg/kg	2.00		112	85.9-128			
m,p-Xylene	4.62	0.100	mg/kg	4.00		115	89-129			
o-Xylene	2.21	0.050	mg/kg	2.00		110	86.1-125			
Total Xylenes	6.83	0.150	mg/kg	6.00		114	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0520		mg/kg	0.0500		104	71.5-134			

LCS Dup (4060422-BSD1)

Prepared & Analyzed: 04-Jun-24

Benzene	2.09	0.050	mg/kg	2.00		104	82.8-130	1.40	15.8	
Toluene	2.20	0.050	mg/kg	2.00		110	86-128	0.368	15.9	
Ethylbenzene	2.20	0.050	mg/kg	2.00		110	85.9-128	1.64	16	
m,p-Xylene	4.54	0.100	mg/kg	4.00		114	89-129	1.72	16.2	
o-Xylene	2.15	0.050	mg/kg	2.00		108	86.1-125	2.59	16.7	
Total Xylenes	6.69	0.150	mg/kg	6.00		112	88.2-128	2.00	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0512		mg/kg	0.0500		102	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: MALDIVES 15 CTB
Project Number: 226004
Project Manager: ETHAN SESSUMS
Fax To:

Reported:
21-Jun-24 08:08

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4060406 - General Prep - Organics**Blank (4060406-BLK1)**

Prepared & Analyzed: 04-Jun-24

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	44.4		mg/kg	50.0		88.7	48.2-134			
Surrogate: 1-Chlorooctadecane	54.6		mg/kg	50.0		109	49.1-148			

LCS (4060406-BS1)

Prepared & Analyzed: 04-Jun-24

GRO C6-C10	197	10.0	mg/kg	200		98.6	66.4-123			
DRO >C10-C28	184	10.0	mg/kg	200		92.1	66.5-118			
Total TPH C6-C28	381	10.0	mg/kg	400		95.4	77.6-123			
Surrogate: 1-Chlorooctane	48.6		mg/kg	50.0		97.3	48.2-134			
Surrogate: 1-Chlorooctadecane	58.7		mg/kg	50.0		117	49.1-148			

LCS Dup (4060406-BS1)

Prepared & Analyzed: 04-Jun-24

GRO C6-C10	189	10.0	mg/kg	200		94.4	66.4-123	4.41	17.7	
DRO >C10-C28	185	10.0	mg/kg	200		92.7	66.5-118	0.634	21	
Total TPH C6-C28	374	10.0	mg/kg	400		93.5	77.6-123	1.94	18.5	
Surrogate: 1-Chlorooctane	48.0		mg/kg	50.0		96.1	48.2-134			
Surrogate: 1-Chlorooctadecane	58.3		mg/kg	50.0		117	49.1-148			

Batch 4060420 - General Prep - Organics**Blank (4060420-BLK1)**

Prepared: 04-Jun-24 Analyzed: 05-Jun-24

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	44.6		mg/kg	50.0		89.2	48.2-134			
Surrogate: 1-Chlorooctadecane	42.0		mg/kg	50.0		84.0	49.1-148			

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Analytical Results For:

NTG ENVIRONMENTAL 701 TRADEWINDS BLVD. SUITE C MIDLAND TX, 79706	Project: MALDIVES 15 CTB Project Number: 226004 Project Manager: ETHAN SESSUMS Fax To:	Reported: 21-Jun-24 08:08
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Petroleum Hydrocarbons by GC FID - Quality Control
Cardinal Laboratories

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4060420 - General Prep - Organics

LCS (4060420-BS1)		Prepared & Analyzed: 04-Jun-24								
GRO C6-C10	190	10.0	mg/kg	200		95.0	66.4-123			
DRO >C10-C28	184	10.0	mg/kg	200		91.9	66.5-118			
Total TPH C6-C28	374	10.0	mg/kg	400		93.5	77.6-123			
Surrogate: 1-Chlorooctane	43.4		mg/kg	50.0		86.7	48.2-134			
Surrogate: 1-Chlorooctadecane	45.0		mg/kg	50.0		90.0	49.1-148			
LCS Dup (4060420-BSD1)		Prepared & Analyzed: 04-Jun-24								
GRO C6-C10	189	10.0	mg/kg	200		94.3	66.4-123	0.789	17.7	
DRO >C10-C28	182	10.0	mg/kg	200		91.0	66.5-118	0.999	21	
Total TPH C6-C28	370	10.0	mg/kg	400		92.6	77.6-123	0.892	18.5	
Surrogate: 1-Chlorooctane	44.7		mg/kg	50.0		89.3	48.2-134			
Surrogate: 1-Chlorooctadecane	46.9		mg/kg	50.0		93.7	49.1-148			

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTGE		BILL TO		ANALYSIS REQUEST													
Project Manager: Ethan Sessums		P.O. #: 21092573															
Address: 209 West McKay St.		Company: Devon															
City: Carlsbad		Attn:															
State: NM		Address:															
Zip: 88220		City:															
Phone #:		State:															
Fax #:		Zip:															
Project #: 226004		Project Owner:															
Project Name: Maldives 15 CTB 1		Phone #:															
Project Location: Eddy County		Fax #:															
Sampler Name: Clayton Thomas																	
FOR LAB USE ONLY																	
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		MATRIX		PRESERV.		SAMPLING	
H243130		CS-1A		C		1											
1		CS-3A															
2		CS-4A															
3		CS-5A															
4		CS-7A															
5		CS-10A															
6		CS-14A															
7		CS-16A															
8		CS-17A															
9																	
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Relinquished By:		Date: 6/19/24		Received By:		Date: 6/19/24		Time: 10:55		Time: 9:30		DATE		TIME			
Refiniquished By:		Date:		Received By:		Date:		Time:		Time:		DATE		TIME			
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY:		Turnaround Time:		Standard		Bacteria (only)		Sample Condition		Observed Temp. °C	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact		(Initials)		Thermometer ID #140		Rush		Cool Intact		Observed Temp. °C		Corrected Temp. °C	
		5.4		Yes		J.E.		24hrs				Yes					
				No								No					
REMARKS:																	
* Customer requested ID changes. 6/17/24																	
All Results are emailed. Please provide Email address:																	
Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:																	
t Cardinal can not make verbal changes. Please email changes to caley.keene@cardinalnm.com																	

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

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

QUESTIONS

Action 365080

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 365080
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nRM2012241818
Incident Name	NRM2012241818 MALDIVES 15 CTB 1 @ 0
Incident Type	Oil Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2128035429] MALDIVES 15 CTB 1

Location of Release Source	
Please answer all the questions in this group.	
Site Name	MALDIVES 15 CTB 1
Date Release Discovered	04/22/2020
Surface Owner	Federal

Incident Details	
Please answer all the questions in this group.	
Incident Type	Oil Release
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	Cause: Equipment Failure Gasket Crude Oil Released: 26 BBL Recovered: 10 BBL Lost: 16 BBL.
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	Not answered.
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

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 2

Action 365080

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	365080
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.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 safety hazard that would result in injury.

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	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.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 07/18/2024
--	--

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QUESTIONS, Page 3

Action 365080

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	365080
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

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 51 and 75 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 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	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Between 1 and 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

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.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	576
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	22450
GRO+DRO	(EPA SW-846 Method 8015M)	18400
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

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.

On what estimated date will the remediation commence	05/20/2024
On what date will (or did) the final sampling or liner inspection occur	06/04/2024
On what date will (or was) the remediation complete(d)	06/14/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	3677
What is the estimated volume (in cubic yards) that will be remediated	382

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.

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.

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QUESTIONS, Page 4

Action 365080

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	365080
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Remediation Plan (continued)	
<i>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.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(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.
<i>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>	
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: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 07/18/2024
<i>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.</i>	

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QUESTIONS, Page 5

Action 365080

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	365080
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

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	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	the presence of heater treaters, separators, flow lines, and flare lines in the surrounding area would cause major facility deconstruction.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	1400
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	208
Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.	
Enter the facility ID (f#) on which this deferral should be granted	MALDIVES 15 CTB 1 [APP2128035429]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
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: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 07/18/2024

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QUESTIONS, Page 6

Action 365080

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	365080
	Action Type:	[C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	349742
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	06/04/2024
What was the (estimated) number of samples that were to be gathered	9
What was the sampling surface area in square feet	12256

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	No

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CONDITIONS

Action 365080

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 365080
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	Deferral approved. Deferral of SW-3 through SW-6 and DS-2 is approved until plugging and abandonment or a major facility deconstruction, whichever comes first. A complete and accurate remediation report and/or reclamation report will need to be submitted at that time	8/5/2024